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ABSTRACT

The general purpose of the occupational analysis is to provide workable, basic information dealing with the many and varied duties performed in the billing and bookkeeping machine operating occupation. The analysis was written in general terms due to the diversity in bookkeeping machines on the market, increasing number and variation of the tasks performed by the machines, and the varied program goals of schools teaching bookkeeping machines operation. The document opens with a brief introduction followed by a job description. The bulk of the document is presented in table form. Eight duties are broken down into a number of tasks and for each task a two-page table is presented, showing on the first page: tools, equipment, materials, objects acted upon; performance knowledge (related also to decisions, cues and errors); safety--hazard; and on the second page: science; math--number systems; and communications (performance modes, examples, and skills and concepts). The duties include: preparation, operation, and maintenance of the machines and machine area; preparation and maintenance of documents, files, and records; and operating various related office machines. A list of mental and physical attitudes needed for maximum functioning is appended. (BP)

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Occupational Analysis

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BILLING AND BOOKKEEPING MACHINE OPERATOR

Instructional Materials Laboratory
Grade and Industrial Education
The Ohio State University

5233

AN ANALYSIS OF THE BILLING AND BOOKKEEPING MACHINE OPERATING OCCUPATION

Developed By

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**Occupational Analysis
E.P.D.A. Sub Project 73402
June 1, 1973 to December 30, 1974
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FOREWORD

The occupational analysis project was conducted by The Instructional Materials Laboratory, Trade and Industrial Education, The Ohio State University in conjunction with the State Department of Education, Division of Vocational Education pursuant to a grant from the U.S. Office of Education.

The Occupational Analysis project was proposed and conducted to train vocational educators in the techniques of making a comprehensive occupational analysis. Instructors were selected from Agriculture, Business, Distributive, Home Economics and Trade and Industrial Education to gain experience in developing analysis documents for sixty-one different occupations. Representatives from Business, Industry, Medicine, and Education were involved with the vocational instructors in conducting the analysis process.

The project was conducted in three phases. Phase one involved the planning and development of the project strategies. The analysis process was based on sound principles of learning and behavior. Phase two was the identification, selection and orientation of all participants. The training and workshop sessions constituted the third phase. Two-week workshops were held during which teams of vocational instructors conducted an analysis of the occupations in which they had employment experience. The instructors were assisted by both occupational consultants and subject matter specialists.

The project resulted in producing one hundred two trained vocational instructors capable of conducting and assisting in a comprehensive analysis of various occupations. Occupational analysis data were generated for sixty-one occupations. The analysis included a statement of the various tasks performed in each occupation. For each task the following items were identified: tools and equipment; procedural knowledge; safety knowledge; concepts and skills of mathematics, science and communication needed for successful performance in the occupation. The analysis data provided a basis for generating instructional materials, course outlines, student performance objectives, criterion measures as well as identifying specific supporting skills and knowledge in the academic subject areas.

PREFACE

In writing an occupational analysis for the bookkeeping-machine operator, the following variables were considered:

- *There is much diversity in bookkeeping-machines on the market with machines ranging from a relatively simple, mechanically programmed type to highly sophisticated machines as the Burroughs L 4000-Accounting Computer, the MCR 299 Electronic Accounting System, and the Singer 5800 Visible Record Accounting System. Prices for various machines may range from a modest \$1,000 to \$25,000 (or more) depending on what function the machine is designed to perform; and/or the number of its components or modules.
- *There has been an increasing number of accounting tasks being performed by the various machines and there is considerable variation in the detail and clarity to which any given machine may perform.
- *Schools teaching bookkeeping-machine operations have varied program goals. Some may train highly qualified operators able to work in payroll purchasing, sales, sales analysis, aging, and other accounting functions. Other schools may teach that machines do the same work manual systems do, only neater, faster, and more accurately.

In light of the above considerations it became increasingly difficult to write a highly definitive task analysis. It was decided that the analysis would be written in general terms if it was to be written within the time limit and in light of the many variables listed.

Every effort was made to limit all considerations to those tasks closely related to the operation of the bookkeeping-machine. It is sincerely hoped that this analysis will serve as a starting point from which programs unique to different schools and budgets may be developed.

ACKNOWLEDGMENT

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JOB DESCRIPTION

A bookkeeping-machine operator performs the following duties: prepares for processing, various business papers that are generated by a firm; operates various peripheral machines such as adding and calculating machines; cleans the machine and performs minor preventive maintenance functions. The operator also maintains accurate files of business documents and bookkeeping related records such as ledgers, journals, individual earnings record; and furnishes information and/or reports to authorized persons in verbal or written form. The operator assists in the performance of various related clerical and bookkeeping functions in an office.

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Duty A Maintaining the Machine in Proper Working Order

- 1 Read section (s) of machine's manual related to maintaining the machine
- 2 Maintain proper machine environment (humidity, temperature, power source)
- 3 Perform preventive maintenance

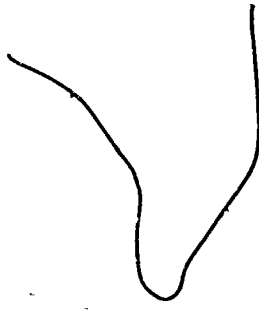
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(TASK STATEMENT) READ SECTION(S) OF MACHINE'S MANUAL RELATED TO MAINTAINING THE MACHINE

TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON	PERFORMANCE KNOWLEDGE	SAFETY - HAZARD
<p>Machine's manual Firm's policies</p>	<p>Read section (s) of machine's manual related to maintaining the machine Follow all directions consistent with firm's policies on machine maintenance Monitor service agreement/contract</p>	
<p><u>DECISIONS</u></p>	<p><u>CUES</u></p>	<p><u>ERRORS</u> Damage to machine and/or modular components Loss of service agreement/contract Loss of employment</p>

TASK STATEMENT) READ SECTION(S) OF MACHINE'S MANUAL RELATED TO MAINTAINING THE MACHINE

SCIENCE	MATH - NUMBER SYSTEMS
Behavioral Science (see index)	
COMMUNICATIONS	
<p><u>PERFORMANCE MODES</u></p> <p>Reading</p> <p>Speaking</p> 	<p><u>EXAMPLES</u></p> <p>Machine's manual</p> <p>Asking questions about task</p>
<p><u>SKILLS/CONCEPTS</u></p> <p>Comprehension, detail/inference, definition, terminology, vocabulary/general vocabulary, appropriate diction, enunciation, clarity of expression, logic, usage</p>	

(TASK STATEMENT) MAINTAIN PROPER MACHINE ENVIRONMENT (HUMIDITY, TEMPERATURE, POWER SOURCE)

4A

<p>TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON</p> <p>Auxiliary power source may be necessary from some machines Hygrometer may be necessary Thermometer may be necessary Alarms connected to the hygrometer, thermometer and power sources may be necessary</p>	<p>PERFORMANCE KNOWLEDGE</p> <p>Read section(s) of machine's manual related to the environment necessary for the machine's safety and its proper functioning Monitor humidity and temperature factors, and availability of auxiliary powers, in the machine's environment, if appropriate; report variance Adjust environment in accord with predetermined policies, if appropriate Unplug machine after turning it off, if required</p>	<p>SAFETY - HAZARD</p>
<p>DECISIONS</p> <p>Determine if environment is satisfactory for maintaining the machine's safety and proper functioning Determine if auxiliary power and/or environmental assistance is functioning properly Determine if variances should be reported</p>	<p>CUES</p> <p>Machine's environment will vary from normal; and alarm equipped environment controls will sound alarm(s)</p>	<p>ERRORS</p> <p>Loss of revenue Damage to machine and "down time" Loss of machine Loss of valuable records</p>

ASK STATEMENT) MAINTAIN PROPER MACHINE ENVIRONMENT (HUMIDITY, TEMPERATURE, POWER SOURCE)

<p>SCIENCE</p> <p>Temperature and humidity critical to machines effectiveness A constant power source may be necessary for the continuous efficient operation of some machines Behavioral science (see index)</p>	<p>MATH - NUMBER SYSTEMS</p> <p>Coding - must understand how to recognize unacceptable reading on charts and/or gauges related to maintaining proper machine environment: hygrometer, thermometer and availability of auxiliary power</p>
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Viewing Speaking Reading Listening</p>	<p><u>EXAMPLES</u></p> <p>Interpreting gauges related to environmental factors Reporting environmental problem Machine's manual Emerging instruction</p>
<p><u>SKILLS/CONCEPTS</u></p> <p>Visual analysis, memory, describing, logic, detail/inference, color discrimination, recognition of symbols codes and emblems Terminology/general vocabulary, appropriate diction, implying, enunciation, clarity of expression, logic, usage Comprehension, detail/inference, description of mechanism, definition, terminology Auditory discrimination, discrimination facts from non-facts, concentration, logic, work decintion, noise discrimination</p>	

(TASK STATEMENT) PERFORM PREVENTIVE MAINTENANCE

TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON	PERFORMANCE KNOWLEDGE	SAFETY - HAZARD
<p>Tools (all must be nonmagnetizeable, if available) Set of screwdrivers, rubber handled Set of small wrenches - metric may be necessary Small tray to hold small tools and or parts Proper oil Material Ribbon</p>	<p>Read section(s) in machine's manual related to preventive maintenance. Follow directions- Understand firm's policies related to handling preventive maintenance. Follow directions Understand manufacturer's service agreement/contract Turn machine off Unplug the machine Perform examination and preventive maintenance on the machine Report usual and necessary findings to proper person Clean the machine according to directions Change the ribbon, if appropriate Cover and/or protect the machine when not in use</p>	<p>Turn the machine off Unplug the machine. Be sure area is dry Use proper tools for purposes they are designed Results of unsafe performance: injury and electrical shock</p>
<p><u>DECISIONS</u></p> <p>Determine if machine is scheduled for preventive maintenance and/or may need it Determine if machine should be turned off and/or disconnected from power source</p>	<p><u>CUES</u></p> <p>Schedule time arrives for preventive maintenance Suspect that a potential problem exists</p>	<p><u>ERRORS</u></p> <p>Machine 'down time' may result Loss of machine</p>

TASK STATEMENT) PERFORM PREVENTIVE MAINTENANCE

<p>SCIENCE</p> <p>Behavioral Science (see index)</p>	<p>MATH - NUMBER SYSTEMS</p>
<p>Positive rational numbers Property of comparison (=, <, >) Linear (screw and nut size)</p>	
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Speaking Reading Writing</p>	<p><u>EXAMPLES</u></p> <p>Asking question about task Machine's manual on task Report on having done task</p>
<p><u>SKILLS/CONCEPTS</u></p> <p>Terminology/general vocabulary, appropriate diction, enunciation, clarity of expression, logic, usage Comprehension, detail/inference, definition, terminology Penmanship, spelling, memo format, clarity of expression, usage, reports-progress</p>	

Duty B Preparing Source Documents for Processing/Operations

- 1 Gather and sort source documents by types
- 2 Inspect source documents for completeness and/or validity
- 3 Add source documents by type and compare totals with such other totals,
where possible to insure accuracy and/or balancing

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(TASK STATEMENT) GATHER AND SORT SOURCE DOCUMENTS BY TYPES

**TOOLS, EQUIPMENT, MATERIALS,
OBJECTS ACTED UPON**

Source documents necessary for the operations to be performed, such as:
Payroll records
Invoices
Checks received as accounts
Bills
Purchase orders
Deposit slips (Banking)
Sorter

PERFORMANCE KNOWLEDGE

Locate source documents
Bring source documents to sorting area
Sort source documents into logically appropriate divisions and order necessary for processing
Dispose, appropriately, of source documents not needed for the current operations

SAFETY -- HAZARD

DECISIONS

Determine type of work to be done and which source documents are needed
Determine divisions and order of items to be sorted

CUES

The schedule of work to be performed by the machine
Content and nature of source documents

ERRORS

Loss of revenue
Errors in firm's books
Legal problems
Loss of time

TASK STATEMENT) GATHER AND SORT SOURCE DOCUMENTS BY TYPES

<p style="text-align: center;">SCIENCE</p> <p>Behavioral science (see index)</p>	<p style="text-align: center;">MATH — NUMBER SYSTEMS</p> <p>Use of numbers without calculations-ordering [source documents]</p>
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Reading Viewing</p>	<p style="text-align: center;"><u>EXAMPLES</u></p> <p>Determining type of source documents sorted Hand sorting checks (banking) by color, shape, size as well as detail</p>
<p style="text-align: center;"><u>SKILLS/CONCEPTS</u></p> <p>Comprehension, definition, terminology, detail/inference Visual analysis, memory, description, logic, detail/inference, color discrimination, recognition of symbols, codes, and emblems</p>	<p>20</p>

(TASK STATEMENT) INSPECT SOURCE DOCUMENTS FOR COMPLETENESS AND/OR VALIDITY

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TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON	PERFORMANCE KNOWLEDGE	SAFETY -- HAZARD
<p>Firm's policies on inspection of source documents Adding listing machine or calculator</p>	<p>Read firm's policies related to task Examine source documents, while sorting them Compare source documents to firm's standards for completeness Dispose of source document that does not meet firm's standards</p>	
<p><u>DECISIONS</u> Decide if source document is to be questioned as to its completeness and/or validity Decide if source document meets firm's standards Decide to dispose of source document in accord with firm's policies or to allow it to continue on in the bookkeeping/accounting process</p>	<p><u>CUES</u> Items have parts missing and/or are completed incorrectly Completed source document may be forged</p>	<p><u>ERRORS</u> Loss in revenue Error in firm's books Loss of employment Legal problems</p>

TASK STATEMENT) INSPECT SOURCE DOCUMENTS FOR COMPLETENESS AND/OR VALIDITY

<p>SCIENCE</p>	<p>MATH - NUMBER SYSTEMS</p>
<p>Behavioral Science (see index)</p>	<p>Estimation - Comparison Compare various amounts [dollars, numbers on items, weights, etc.] on source documents with reasonable amounts in light of experience and/or firm's policies Fundamental operations (calculations) Addition Subtraction Multiplication Basic arithmetic skills and concepts [finding a percent of a number and what percent one number is of another] Use of computing devices and mechanical aids</p>
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Reading Viewing</p>	<p><u>EXAMPLES</u></p> <p>Examining source documents Comparison of appearance of source document with standards</p>
<p><u>SKILLS/CONCEPTS</u></p> <p>Comprehension, detail/inference, definition, terminology visual analysis, memory, description, logic, detail/inference, color discrimination, recognition of symbols, codes and emblems</p>	<p>22</p>

ADD SOURCE DOCUMENTS BY TYPE AND COMPARE TOTALS WITH SUCH OTHER TOTALS, WHERE POSSIBLE, TO (TASK STATEMENT) INSURE ACCURACY AND/OR BALANCING

TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON

- Adding - listing machine or calculator

PERFORMANCE KNOWLEDGE

Run totals ('run tapes') on source documents, by types or sub-division Compare totals with other totals where possible to insure accuracy. Find any errors that result from this comparison and correct them
Throw out task, continue inspection of source documents

SAFETY - HAZARD

DECISIONS

Decide the order totals on source documents should be run
Decide if errors(s) exist; and how if or they may be corrected
Decide if errors have been corrected

CUES

Total(s) of tape(s) ran on divisions and/or types of source documents equal related totals

ERRORS

Loss of time
Error in firm's books
Loss of revenue

ADD SOURCE DOCUMENTS BY TYPE AND COMPARE TOTALS WITH SUCH OTHER TOTALS, WHERE POSSIBLE, TO INSURE ACCURACY AND/OR BALANCING

TASK STATEMENT

<p>SCIENCE</p> <p>Behavioral Science (see index)</p>	<p>MATH - NUMBER SYSTEMS</p>
	<p>Fundamental operations (calculations) Addition Subtraction Division and multiplication (for locating and testing for transpositions) Use of computing devices and mechanical aids</p>
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Reading Viewing</p>	<p><u>EXAMPLES</u></p> <p>Amounts and monitoring the validity of the sorting process Visual verification of validity of sorting process</p> <p><u>SKILLS/CONCEPTS</u></p> <p>Comprehension, detail/inference, definition, terminology Visual analysis, memory, describing, logic, detail/inference, color discrimination, recognition of symbols, codes, and emblems</p>

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Duty C Preparing the Machine Area for Operations

- 1 Read section (s) of machine's manual related to preparing the machine area for operations
- 2 Level the machine before starting it
- 3 Bring files ("cans") of records (ledgers, journals, etc.) to the work area for posting, journalizing, and/or other processing
- 4 Bring source documents (invoices, checks, etc.) to the work area for use in posting, journalizing, and/or other processing

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(TASK STATEMENT) READ SECTION(S) OF MACHINE'S MANUAL RELATED TO PREPARING THE MACHINE AREA FOR OPERATIONS

TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON	PERFORMANCE KNOWLEDGE	SAFETY -- HAZARD
<p>Machine's manual</p>	<p>Read section(s), of machine's manual related to preparing the machine's area for operations Prepare machine area for operations, in accord with machine's manual</p>	
<p><u>DECISIONS</u> Determine what needs to be done to machine's area to prepare it for operations</p>	<p><u>CUES</u> Machine's manual Machine has not been run before by the operator</p>	<p><u>ERRORS</u> Improper operation of machine Errors in firm's books Machine 'down time'</p>

TASK STATEMENT) READ SECTION(S) OF MACHINE'S MANUAL RELATED TO PREPARING THE MACHINE AREA FOR OPERATIONS

<p>SCIENCE</p> <p>Behavioral Science (s.e index)</p>	<p>MATH - NUMBER SYSTEMS</p>
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Reading</p>	<p><u>EXAMPLES</u></p> <p>Sections of machine's manual related to preparing machine for operations</p>
<p><u>SKILLS/CONCEPTS</u></p> <p>Comprehension, detail/inference, description of mechanism, definition terminology</p>	<p>27</p>

(TASK STATEMENT) LEVEL THE MACHINE BEFORE STARTING IT

<p>TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON</p>	<p>PERFORMANCE KNOWLEDGE</p>	<p>SAFETY - HAZARD</p>
<p>Machine's manual</p>	<p>Read section(s) in machine's manual related to task Level the machine</p>	
<p><u>DECISIONS</u> Decide if machine needs to be leveled</p>	<p><u>CUES</u> Instructions for leveling the machine The machine is, or is not, level</p>	<p><u>ERRORS</u> Accuracy of operations are jeopardized Damage to machine 'down time'</p>

TASK STATEMENT) LEVEL THE MACHINE BEFORE STARTING IT

<p style="text-align: center;">SCIENCE</p> <p>Behavioral Science (see index)</p>	<p style="text-align: center;">MATH — NUMBER SYSTEMS</p>
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Reading</p> <p>Viewing</p>	<p><u>EXAMPLES</u></p> <p>Manual</p> <p>Machine</p>
<p><u>SKILLS/CONCEPTS</u></p> <p>Comprehension, detail/inference, description of mechanism and definition, terminology</p> <p>Visual analysis, logic, detail/inference</p>	

(TASK STATEMENT) BRING FILES ('CAN') OF RECORDS (LEDGERS, JOURNALS, ETC.) TO THE WORK AREA FOR POSTING, JOURNALIZING, AND/OR OTHER PROCESSING

TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON	PERFORMANCE KNOWLEDGE	SAFETY -- HAZARD
Necessary files ('can') of records needed for operations	Locate proper files Transport files to work area	
<p><u>DECISIONS</u></p> <p>Decide which files of ledgers, for example, are needed</p>	<p><u>CUES</u></p> <p>Type of processing scheduled</p>	<p><u>ERRORS</u></p> <p>Errors in firm's books Loss of time Loss of revenue</p>

BRING FILES ('CAN') OF RECORDS (LEDGERS, JOURNALS, ETC.) TO THE WORK AREA FOR POSTING, JOURNALIZING, AND/OR OTHER PROCESSING

<p>MATH -- NUMBER SYSTEMS</p>	
<p>SCIENCE</p> <p>Behavioral Science (see index)</p>	
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Viewing</p>	<p><u>EXAMPLES</u></p> <p>Files</p>
	<p><u>SKILLS/CONCEPTS</u></p> <p>Visual analysis, logic, detail/inference</p>

BRING SOURCE DOCUMENTS (INVOICES, CHECKS, ETC.) TO THE WORK AREA FOR USE IN POSTING, JOURNALIZING, (TASK STATEMENT) AND/OR OTHER PROCESSING

<p>TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON</p> <p>Source documents which have been prepared for operations by the bookkeeping machine</p>	<p>PERFORMANCE KNOWLEDGE</p> <p>Locate source document items ready for processing Take items to area of machine</p>	<p>SAFETY - HAZARD</p>
<p>DECISIONS</p> <p>Determine which source document items are needed at the machine Determine that source documents items needed are at machines</p>	<p>CUES</p> <p>Schedule of work to be performed is being followed Operator understands the nature of the operations to be performed</p>	<p>ERRORS</p> <p>Generation of erroneous information by the operator Loss of time and increased errors</p>

BRING SOURCE DOCUMENTS (INVOICE'S, CHECKS, ETC.) TO THE WORK AREA FOR USE IN POSTING, JOURNALIZING,
AND/OR OTHER PROCESSING

ASK STATEMENT)

<p>SCIENCE</p> <p>Behavioral Science (see index)</p>	<p>MATH - NUMBER SYSTEMS</p>
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Viewing</p>	<p><u>EXAMPLES</u></p> <p>Source documents</p>
<p><u>SKILLS/CONCEPTS</u></p> <p>Visual analysis, logic, detail/ inference</p>	

Duty D Prepare the Machine for Operations

- 1 Read section (s) of machine's manual related to preparing the machine for operations
- 2 Clear any figures in item/posting counter, if needed
- 3 Load the machine with proper form (s)
- 4 Clear the machine of any totals, or other information, not needed on the current operations
- 5 Place proper date in the machine
- 6 Verify and insure that the operational mode of the machine is consistent with current

(TASK STATEMENT) READ SECTION(S) OF MACHINE'S MANUAL RELATED TO PREPARING THE MACHINE FOR OPERATIONS

TOOLS, EQUIPMENT, MATERIALS, OBJECTS. ACTED UPON	PERFORMANCE KNOWLEDGE	SAFETY -- HAZARD
Machine's manual	Read section(s) of machine's manual related to preparing the machine for operations Prepare the machine for operations in accord with machine's manual i.e., uncover machine, plug machine in to power source, turn on machine	
<u>DECISIONS</u> Decide what needs to be done to prepare the machine for operations	<u>CUES</u> Manual instructions	<u>ERRORS</u> Machine "down time" Errors in firm's books

11. ASK STATEMENT) READ SECTION(S) OF MACHINE'S MANUAL RELATED TO PREPARING THE MACHINE FOR OPERATIONS

<p>SCIENCE</p> <p>Behavioral Science (see index)</p>	<p>MATH — NUMBER SYSTEMS</p> <p>Use of computing devices and mechanical aids</p>
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Reading</p>	<p><u>EXAMPLES</u></p> <p>Section (s) of machine's manual related to preparing machine for operations</p>
<p><u>SKILLS/CONCEPTS</u></p> <p>Comprehension, detail/inference, description of mechanism, definition, terminology</p>	

(TASK STATEMENT) CLEAR ANY FIGURES IN ITEM/POSTING COUNTER, IF NEEDED

TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON	PERFORMANCE KNOWLEDGE	SAFETY - HAZARD
<p>Machine's manual Tools necessary to clear any figures in item/posting counter</p>	<p>Read section(s) in machine's manual related to counting items processed during and/or by operations Set machine to count</p>	
<p><u>DECISIONS</u> Decide if pending operations necessitates the counting of any items Decide if machine is capable of counting items Decide how to set machine for counting</p>	<p><u>CUES</u> Firm requires a count of items Machine is designed to count</p>	<p><u>ERRORS</u> Error in and/or an incomplete, count of items Loss of time Error in operations</p>

TASK STATEMENT) CLEAR ANY FIGURES IN ITEM/POSTING COUNTER, IF NEEDED

<p>SCIENCE</p> <p>Behavioral Science (see index)</p>	<p>MATH - NUMBER SYSTEMS</p> <p>Use of computing devices or mechanical aids</p>
<p>COMMUNICATIONS</p>	
<p>Reading</p> <p><u>PERFORMANCE MODES</u></p>	<p>Manual</p> <p><u>EXAMPLES</u></p>
<p><u>SKILLS/CONCEPTS</u></p> <p>Comprehension, detail/inference, description of mechanism, definition, terminology</p>	

(TASK STATEMENT) LOAD THE MACHINE WITH PROPER FORM(S)

<p>TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON</p> <p>Forms necessary for pending operations such forms as Journals (of a given type) Checks Invoices Payroll register</p>	<p>PERFORMANCE KNOWLEDGE</p> <p>Read section(s) in machine's manual related to loading the machine Load the machine</p>	<p>SAFETY - HAZARD</p> <p>Keep clothing, hair, etc., trim openings and exposed moving parts of the machine Results of unsafe performance-shock and injury</p>
<p>DECISIONS</p> <p>Decide which operation(s) is/are to be performed Decide which form(s) is/are to be loaded (or fed) in the machine, if any</p>	<p>CUES</p> <p>Machine's manual</p>	<p>ERRORS</p> <p>Machine may not operate with no or wrong form Loss of time Errors in firm's books Errors in operations</p>

ASK STATEMENT) LOAD THE MACHINE WITH PROPER FORM(S)

<p>SCIENCE</p> <p>Behavioral Science (see index)</p>	<p>MATH - NUMBER SYSTEMS</p> <p>Use of computing devices or mechanical aids</p>
<p>COMMUNICATIONS</p>	
<p>Reading</p>	<p>Manual</p>
<p>PERFORMANCE MODES</p>	<p>EXAMPLES</p> <p>SKILLS/CONCEPTS</p> <p>Comprehension, detail/inference, description of mechanism, definition terminology</p>

CLEAR THE MACHINE OF ANY TOTALS, OR OTHER INFORMATION, NOT NEEDED ON THE CURRENT OPERATIONS
(TASK STATEMENT)

TOOLS, EQUIPMENT, MATERIALS,
OBJECTS ACTED UPON

Machine manual

PERFORMANCE KNOWLEDGE

Read section(s) in machine's manual on clearing the machine of totals, or other information not needed for current operations
Clear the machine according to instructions in the manual

SAFETY -- HAZARD

DECISIONS

Decide if machine needs to be cleared
Decide how to clear the machine

CUES

Machine was not cleared at end of previous operations
Machine's manual calls for clearing the machine

ERRORS

Errors in firm's books
Loss of time
Errors in operations

ASK STATEMENT) CLEAR THE MACHINE OF ANY TOTALS, OR OTHER INFORMATION, NOT NEEDED FOR THE CURRENT OPERATION

<p>SCIENCE</p> <p>Behavioral Science (see index)</p>	<p>MATH - NUMBER SYSTEMS</p> <p>Use of computing devices or mechanical aids</p>
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Reading</p>	<p><u>EXAMPLES</u></p> <p>Manual</p>
<p><u>SKILLS/CONCEPTS</u></p> <p>Comprehension, detail/inference, description of mechanism, terminology, definition</p>	

(TASK STATEMENT) PLACE PROPER DATE IN THE MACHINE

<p>TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON</p>	<p>PERFORMANCE KNOWLEDGE</p>	<p>SAFETY -- HAZARD</p>
<p>Whatever device, if any, prescribed by the manufacturer to change the date and/or in-put other necessary information</p>	<p>Set whatever dials, etc., that need to be adjusted to place the correct date and/or other necessary in-put into the operations</p>	
<p><u>DECISION</u></p> <p>Decide if any changes in dates, etc. need to be made Decide if changes are correct</p>	<p><u>CUES</u></p> <p>Wrong date, etc., is revealed to be in the machine's potential operations</p>	<p><u>ERRORS</u></p> <p>Loss of revenue Errors in operations Errors in firm's books Loss of time Legal problems</p>

ASK STATEMENT) PLACE PROPER DATE IN THE MACHINE

<p style="text-align: center;">SCIENCE</p> <p>Behavioral Science (see index)</p>	<p style="text-align: center;">MATH - NUMBER SYSTEMS</p> <p>Use of computing devices or mechanical aids</p>
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Reading</p>	<p><u>EXAMPLES</u></p> <p>Necessary in-put information</p>
<p><u>SKILLS/CONCEPTS</u></p> <p>Comprehension, detail/inference, definition, terminology</p>	

(TASK STATEMENT) VERIFY AND INSURE THAT THE OPERATIONAL MODE OF THE MACHINE IS CONSISTENT WITH CURRENT OPERATIONS

TOOLS, EQUIPMENT, MATERIALS,
OBJECTS ACTED UPON

Programming tape(s) and/or
Programming card(s)

PERFORMANCE KNOWLEDGE

Verify type of operations to be performed
Examine program(s) and/or operational mode(s) that are needed for the operations to be performed. Make sure these are used and others have been removed and/or erased
Place appropriate program(s) and/or mode(s) in machine

SAFETY -- HAZARD

DECISIONS

Decide which operations is to be performed
Decide which program(s) and/or mode(s) are needed
Decide if correct program(s) and/or mode(s) are in machine

CUES

Machine may not function
Machine operations are confused and/or inaccurate

ERRORS

Lost revenue and time
Firm's books are in error
Machine may be damaged
Firm's records may be damaged

TASK STATEMENT) VERIFY AND INSURE THAT THE OPERATIONAL MODE OF THE MACHINE IS CONSISTENT WITH CURRENT OPERATIONS

<p>SCIENCE</p> <p>Behavioral Science (see index)</p>	<p>MATH -- NUMBER SYSTEMS</p> <p>Math necessary to program a given machine Use of computing devices or mechanical aids</p>
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Reading Viewing</p>	<p><u>EXAMPLES</u></p> <p>Reading necessary to insure proper verification of program Examining evidence of proper program</p>
<p><u>SKILLS/CONCEPTS</u></p> <p>Comprehension, detail/inference, definition, terminology Visual analysis, memory, logic, detail/inference, color discrimination, recognition of symbols, codes, embla</p>	<p>56</p>

Duty E Operating the Bookkeeping-Machine

- 1 Read the section(s) of the machine's manual related to operating the machine
- 2 Select the proper record (for example: ledger) from the files ("can")
- 3 Place the machine into proper alignment(s)/sub-mode(s) to receive the ledger on other items
- 4 Insert the appropriate ledger (or other item) into the machine, anually in-put data from the ledger (or other items) by using the machine(s) keyboard
- 5 Select the proper source document necessary for a given operation
- 6 Depress proper keys on the machine's keyboard, according to the figures shown on the source document(s) and the operation to be performed
- 7 Activate the machine to function according to its mode(s) and/or sub-mode(s); or, allow the machine to function, processing the in-put data
- 8 Remove the processed ledger (or other item) from the machine
- 9 Return the processed ledger (or other item) to its proper place in the file ("can")
- 10 Place the source document aside in an appropriate place
- 11 Monitor all procedures and documents for errors; and, correct errors according to established procedures and policies
- 12 Correctly suspend operation of the machine when temporarily necessary
- 13 Total, or "clear," the machine when last posting, journalizing and/or other operation is completed
- 14 Verify total(s)-resulting from "clearing" the machine-with total(s) on the type of source document. Verify accuracy of posting, journalizing and/or other completed operations
- 15 Record all figures and totals necessary, as directed
- 16 Use, appropriately, the count made by the counter of items/postings
- 17 Bundle source documents by type
- 18 React to safety emergencies according to established procedures

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(TASK STATEMENT) READ THE SECTION(S) OF THE MACHINE'S MANUAL RELATED TO OPERATING THE MACHINE

TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON	PERFORMANCE KNOWLEDGE	SAFETY - HAZARD
<p>Machine's manual</p>	<p>Read section(s) of machine's manual related to the operation of the machine</p>	
<p><u>DECISIONS</u></p> <p>Decide to read those related sections of the machine's manual.</p>	<p><u>CUES</u></p> <p>Needing to operate a machine whose manual has not been read</p>	<p><u>ERRORS</u></p> <p>Damage to machine - "down time" Loss of machine Damage to and/or loss of records of firm Loss of job</p>

TASK STATEMENT) READ THE SECTION(S) OF THE MACHINE'S MANUAL RELATED TO OPERATING THE MACHINE

<p>SCIENCE</p>	<p>MATH - NUMBER SYSTEMS</p>
<p>Behavioral Science (see index)</p>	
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Reading</p>	<p><u>EXAMPLES</u></p> <p>Reading sections of manual related to machine's operations</p>
<p><u>SKILLS/CONCEPTS</u></p> <p>Comprehension, detail/inference, description of mechanism, definition terminology</p>	

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TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON	PERFORMANCE KNOWLEDGE	SAFETY -- HAZARD
Ledgers and/or other items to be used in current operations	Select the proper ledger	
<u>DECISIONS</u> Decide if proper ledger has been selected	<u>CUES</u> The item is next in the file/can, etc. The source document is related to item	<u>ERRORS</u> Errors in firm's books Errors in operations Loss of revenue Legal problems Public relations problem



<p>SCIENCE</p> <p>Behavioral Science (see index)</p>	<p>MATH - NUMBER SYSTEMS</p> <p>Use of numbers without calculation-coding [maybe necessary to recognize various accounts numbers]</p>
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Reading</p>	<p><u>EXAMPLES</u></p> <p>To select proper ledger</p>
<p><u>SKILLS/CONCEPTS</u></p> <p>Comprehension, detail/inference, definition, terminology</p>	

(TASK STATEMENT) PLACE THE MACHINE INTO PROPER ALIGNMENT(S)/SUB-MODE(S) TO RECEIVE THE LEDGER OR OTHER ITEMS

<p>TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON</p>	<p>PERFORMANCE KNOWLEDGE</p> <p>Activate the machine so as to place it in an alignment that will receive necessary forms for the pending operations</p>	<p>SAFETY -- HAZARD</p>
<p><u>DECISIONS</u></p> <p>Decide if machine must be placed into an alignment necessary to receive a ledger or other item</p>	<p><u>CUES</u></p> <p>Ledger and/or other item, and/or source documents related to the current alignment of the machine</p>	<p><u>ERRORS</u></p> <p>Errors in machine's operations Errors in firm's books Loss of time Damage to forms</p>

TASK STATEMENT) PLACE THE MACHINE INTO PROPER ALIGNMENT(S)/SUB-MODE(S) TO RECEIVE THE LEDGER OR OTHER ITEM

<p>SCIENCE</p> <p>Behavioral Science (see index)</p>	<p>MATH - NUMBER SYSTEMS</p> <p>Use calculating devices or mechanical aids</p>
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Viewing</p>	<p><u>EXAMPLES</u></p> <p>Machine</p>
<p><u>SKILLS/CONCEPTS</u></p> <p>Visual analysis, detail/inference, logic, recognize symbols, codes and emblems</p>	

INSERT THE APPROPRIATE LEDGER (OR OTHER ITEM) INTO THE MACHINE, ANUALLY IN-PUT DATA FROM THE LEDGER (TASK STATEMENT) (OR OTHER ITEMS) BY USING THE MACHINE'S KEYBOARD

TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON

Ledger and/or proper form to be inserted in machine prior to operations

PERFORMANCE KNOWLEDGE

Insert properly selected item into machine
Dryness necessary and/or appropriate keys on the machine's keyboard(s) to in-put figures on the ledger and/or proper form

SAFETY -- HAZARD

Keep clothing, hair etc., from openings and exposed moving parts of the machine
Results of unsafe performance, injury and shock

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DECISIONS

Decide where and how item is to be inserted
Decide if item has been inserted properly

CUES

Machine reacts properly

ERRORS

Errors in firm's books
Damage to records
Error in operations
Machine may not function

INSERT THE APPROPRIATE LEDGER (OR OTHER ITEM) INTO THE MACHINE, ANUALLY IN-PUT DATA FROM THE LEDGER (OR OTHER ITEM) BY USING THE MACHINE'S KEYBOARD

ASK STATEMENT)

<p>SCIENCE</p> <p>Behavioral Science (see index)</p>	<p>MATH - NUMBER SYSTEMS</p> <p>Ability to read numbers accurately so as to be able to in-put manually, those figures necessary for operations Use computing devices or mechanical aids</p>
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Reading</p>	<p><u>EXAMPLES</u></p> <p>Machine's in-put mechanism</p>
<p><u>SKILLS/CONCEPTS</u></p> <p>Comprehension, detail/inference, definition, terminology</p>	

(TASK STATEMENT) SELECT THE PROPER SOURCE DOCUMENT NECESSARY FOR A GIVEN OPERATION

TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON	PERFORMANCE KNOWLEDGE	SAFETY - HAZARD
Source documents i.e., Payroll records Invoices Purchase orders Checks to be paid and/or deposits to be credited (banking)	Select from the source documents at hand a given source document for an operations	
<u>DECISIONS</u> Decide if proper source document has been selected	<u>CUES</u> The type of operations to be performed related to the source document	<u>ERRORS</u> Errors in firm's books Loss of revenue Misplaced records

(TASK STATEMENT) SELECT THE PROPER SOURCE DOCUMENT NECESSARY FOR A GIVEN OPERATION

<p style="text-align: center;">SCIENCE</p> <p>Behavioral Science (see index)</p>	<p style="text-align: center;">MATH - NUMBER SYSTEMS</p> <p>Use of numbers without calculation--coding [recognize various account numbers]</p>
<p>COMMUNICATIONS</p>	
<p style="text-align: center;"><u>PERFORMANCE MODES</u></p> <p>Reading</p>	<p style="text-align: center;"><u>EXAMPLES</u></p> <p>Selecting proper source document</p>
	<p style="text-align: center;"><u>SKILLS/CONCEPTS</u></p> <p>Comprehension, detail/inference, definition, terminology</p>

DEPRESS PROPER KEYS ON THE MACHINE'S KEYBOARD, ACCORDING TO THE FIGURES SHOWN ON THE SOURCE DOCUMENT(S) AND THE OPERATION TO BE PERFORMED

(TASK STATEMENT)

TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON	PERFORMANCE KNOWLEDGE	SAFETY -- HAZARD
<p>Source document(s) Machine keyboard</p>	<p>Depress necessary and/or appropriate keys on the machine's keyboard(s) to in-put figures on source document(s)</p>	
<p><u>DECISIONS</u></p> <p>Decide if necessary keys have been depressed</p>	<p><u>CUES</u></p> <p>Necessary source document is ready for processing Machine receives depressing of keys, or machine reacts properly</p>	<p><u>ERRORS</u></p> <p>Errors in firm's books Errors in operations Loss of revenue Public relations problems Machine may not function</p>

(TASK STATEMENT) DEPRESS PROPER KEYS ON THE MACHINE'S KEYBOARD, ACCORDING TO THE FIGURES SHOWN ON THE SOURCE DOCUMENT(S) AND THE OPERATION TO BE PERFORMED

<p style="text-align: center;">SCIENCE</p>	<p style="text-align: center;">MATH - NUMBER SYSTEMS</p>
<p>Behavioral Science (see index)</p>	<p>Ability to read numbers accurately so as to depress proper keys on machine to in-put information from source documents Use of numbers without calculations Use of computing devices and mechanical aids</p>
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Reading</p>	<p><u>EXAMPLES</u></p> <p>Machine's in-put mechanism</p>
<p><u>SKILLS/CONCEPTS</u></p> <p>Comprehension, detail/inference, definition, terminology</p>	

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(TASK STATEMENT) TO FUNCTION, PROCESSING THE IN-PUT DATA

ACTIVATE THE MACHINE TO FUNCTION ACCORDING TO ITS MODE(S) AND/OR SUB-MODE(S); OR, ALLOW THE MACHINE

<p>TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON</p> <p>Machine</p>	<p>PERFORMANCE KNOWLEDGE</p> <p>Activate the machine Allow the machine to operate or function</p>	<p>SAFETY -- HAZARD 60</p> <p>Keep clothing, hair, etc., from openings and exposed moving parts of the machine Results of unsafe performance - injury</p>
<p><u>DECISIONS</u></p> <p>Decide if machine is really to be activated Decide if machine is reacting properly to in-put</p>	<p><u>CUES</u></p> <p>Machine is functioning properly in light of type of operations being performed</p>	<p><u>ERRORS</u></p> <p>Machine may not operate Loss of time</p>

ACTIVATE THE MACHINE TO FUNCTION ACCORDING TO ITS MODE(S) AND/OR SUB-MODES; OR, ALLOW THE MACHINE TO FUNCTION, PROCESSING THE IN-PUT DATA

TASK STATEMENT)

<p>SCIENCE</p>	<p>MATH -- NUMBER SYSTEMS</p>
<p>Behavioral Science (see index)</p>	
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Reading</p>	<p><u>EXAMPLES</u></p> <p>Machine's activating mechanism</p>
<p><u>SKILLS/CONCEPTS</u></p> <p>Comprehension, detail/inference, definition, terminology</p>	<p>61</p>

(TASK STATEMENT) REMOVE THE PROCESSED LEDGER (OR OTHER ITEM) FROM THE MACHINE

<p>TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON</p> <p>Ledger and/or proper form that is currently within the machine</p>	<p>PERFORMANCE KNOWLEDGE</p> <p>Grasp and remove ejected, or partially ejected, ledger or proper form from the machine</p>	<p>SAFETY -- HAZARD</p>
<p>DECISIONS</p> <p>Decide if machine has completed its use of, or need for, the ledger and/or proper form it has had within it</p>	<p>CUES</p> <p>Machine pauses Machine stops Ledger and/or proper form is ejected, or partially ejected, from the machine</p>	<p>ERRORS</p> <p>Ledger and/or proper form may not be ejected properly Loss of time Damage to firm's records</p>

(TASK STATEMENT) REMOVE THE PROCESSED LEDGER (OR OTHER ITEM) FROM THE MACHINE

<p>SCIENCE</p> <p>Behavioral Science (see index)</p>	<p>MATH - NUMBER SYSTEMS</p>
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Viewing</p>	<p><u>EXAMPLES</u></p> <p>Machine, ledger</p>
<p><u>SKILLS/CONCEPTS</u></p> <p>Visual analysis, logic, detail/inference</p>	

(TASK STATEMENT) RETURN THE PROCESSED LEDGER (OR OTHER ITEM) TO ITS PROPER PLACE IN THE FILE ("CAN")

<p>TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON</p> <p>Processed ledger and/or proper form that has been removed from the machine</p>	<p>PERFORMANCE KNOWLEDGE</p> <p>Place processed ledger and/or form into its correct place in the file</p>	<p>SAFETY -- HAZARD</p>
<p><u>DECISIONS</u></p> <p>Decide if processed ledger and/or form has been returned correctly to its place in the file</p>	<p><u>CUES</u></p> <p>Item returned is related to items near its place in the file</p>	<p><u>ERRORS</u></p> <p>Loss of time Public relations problem</p>

TASK STATEMENT

RETURN THE PROCESSED LEDGER (OR OTHER ITEM) TO ITS PROPER PLACE IN THE FILE ('CAN')

<p>SCIENCE</p>	<p>MATH -- NUMBER SYSTEMS</p>
<p>Behavioral Science (see index)</p>	
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Viewing</p>	<p><u>EXAMPLES</u></p> <p>Ledger and files</p>
<p><u>SKILLS/CONCEPTS</u></p> <p>Visual analysis, logic, detail/inference</p>	

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(TASK STATEMENT) PLACE THE SOURCE DOCUMENT ASIDE IN AN APPROPRIATE PLACE

TOOLS, EQUIPMENT, MATERIALS,
OBJECTS ACTED UPON

PERFORMANCE KNOWLEDGE

SAFETY -- HAZARD

Source document

Place processed source document in
appropriate place

DECISIONS

Decide if all necessary information on
the given source document has been
processed
Decide where and in what order to
place the item

CUES

All information has been used in the
current operation

ERRORS

Errors in firm's operation
Loss of time

ASK STATEMENT) PLACE THE SOURCE DOCUMENT ASIDE IN AN APPROPRIATE PLACE

<p style="text-align: center;">SCIENCE</p>	<p style="text-align: center;">MATH - NUMBER SYSTEMS</p>				
<p style="text-align: center;">Behavioral Science (see index)</p>					
<p style="text-align: center;">COMMUNICATIONS</p>					
<p style="text-align: center;"><u>PERFORMANCE MODES</u></p> <p>Viewing</p>	<table border="1" style="width: 100%; height: 100%;"> <tr> <td data-bbox="987 69 1206 1371"> <p style="text-align: center;"><u>EXAMPLES</u></p> <p>Source document</p> </td> <td data-bbox="1206 69 1418 1371"> <p style="text-align: center;"><u>SKILLS/CONCEPTS</u></p> <p>Visual analysis, logic, detail/inference</p> </td> </tr> <tr> <td colspan="2" data-bbox="987 1371 1418 2026" style="text-align: right; vertical-align: bottom;"> <p>67</p> </td> </tr> </table>	<p style="text-align: center;"><u>EXAMPLES</u></p> <p>Source document</p>	<p style="text-align: center;"><u>SKILLS/CONCEPTS</u></p> <p>Visual analysis, logic, detail/inference</p>	<p>67</p>	
<p style="text-align: center;"><u>EXAMPLES</u></p> <p>Source document</p>	<p style="text-align: center;"><u>SKILLS/CONCEPTS</u></p> <p>Visual analysis, logic, detail/inference</p>				
<p>67</p>					

(TASK STATEMENT)

MONITOR ALL PROCEDURES AND DOCUMENTS FOR ERRORS; AND, CORRECT ERRORS ACCORDING TO ESTABLISHED PROCEDURES AND POLICIES

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<p>TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON</p>	<p>PERFORMANCE KNOWLEDGE</p> <p>Observe all procedures involved in processing Correct errors</p>	<p>SAFETY - HAZARD</p>
<p><u>DECISIONS</u></p> <p>Determine if operations are proceeding accurately toward completion</p>	<p><u>CUES</u></p> <p>Balances of accounts seem reasonable in light of current input and operations</p>	<p><u>ERRORS</u></p> <p>Loss of time and revenue Legal problems Public relations problems Errors in firm's books</p>

<p>SCIENCE</p> <p>Behavioral Science. (see index)</p>	<p>MATH - NUMBER SYSTEMS</p> <p>Must understand transpositions and their corrections Perform fundamental operations Addition Subtraction Multiplication Division</p>
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Reading Writing</p>	<p><u>EXAMPLES</u></p> <p>Reading documents for errors Correcting errors</p> <p><u>SKILLS/CONCEPTS</u></p> <p>Comprehension, detail/inference, definition, terminology Penmanship, classification, spelling, description, clarity of expression, usage</p>

(TASK STATEMENT) CORRECTLY SUSPEND OPERATION OF THE MACHINE WHEN TEMPORARILY NECESSARY

TOOLS, EQUIPMENT, MATERIALS,
OBJECTS ACTED UPON

Ruler (s) and/or other item (s) that
may serve as appropriate markers

PERFORMANCE KNOWLEDGE

Turn off machine, if appropriate
Leave proper marker (s) in source
documents as reminder (s) as to
where to resume operations

SAFETY - HAZARD

Bookkeeping machine must be turned
off
Results of unsafe performance -
injury

DECISIONS

Decide if operations are to be
interrupted
Decide when/how to mark place in
work
Decide if it is necessary to turn
machine off, temporarily

CUES

Work is interrupted
Break time
Short term problems, or considerations,
demanding the operator's attention
away from the machine

ERRORS

Loss of time and revenue
Errors in firm's books
Damage to records and/or machine

TASK STATEMENT) CORRECTLY SUSPEND OPERATIONS OF THE MACHINE WHEN TEMPORARILY NECESSARY

<p>SCIENCE</p> <p>Behavioral Science (see index)</p>	<p>MATH - NUMBER SYSTEMS</p>
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Viewing</p>	<p><u>EXAMPLES</u></p> <p>Machine's control</p>
<p><u>SKILLS/CONCEPTS</u></p> <p>Visual analysis, logic, detail/inference</p>	<p>21</p>

(TASK STATEMENT) TOTAL, OR 'CLEAR,' THE MACHINE WHEN LAST POSTING, JOURNALIZING AND/OR OTHER OPERATION IS COMPLETED

<p>TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON</p> <p>Machine's manual</p>	<p>PERFORMANCE KNOWLEDGE</p> <p>Read section(s) of machine's manual related to clearing the machine at end of operations Clear machine of last ledger and/or form that has been inserted for processing Activate the machine so as to cause it to total-out or clear itself of the results of operations</p>	<p>SAFETY -- HAZ -- D</p> <p>72</p>
<p><u>DECISIONS</u></p> <p>Decide if operations have been completed</p>	<p><u>CUES</u></p> <p>Information from last source document, involved in current operations, has been used as in-put</p>	<p><u>ERRORS</u></p> <p>Loss of revenue Loss of information Error in firm's book</p>

TASK STATEMENT) TOTAL, OR 'CLEAR,' THE MACHINE WHEN LAST POSTING, JOURNALIZING AND/OR OTHER OPERATIONS IS COMPLETED

<p>SCIENCE</p>	<p>MATH - NUMBER SYSTEMS</p>
<p>Behavioral Science (see index)</p>	<p>Use of computing devices and mechanical aids</p>
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Reading</p> <p>Viewing</p>	<p><u>EXAMPLES</u></p> <p>Machine manual</p> <p>Machine</p>
<p><u>SKILLS/CONCEPTS</u></p> <p>Comprehension, detail/inference, description of mechanism, definition terminology Visual analysis, logic, detail/inference</p>	

VERIFY TOTAL(S) - RESULTING FROM 'CLEARING' THE MACHINE - WITH TOTAL(S) ON THE TYPE OF SOURCE DOCUMENT. VERIFY ACCURACY OF POSTING, JOURNALIZING, AND/OR OTHER COMPLETED OPERATIONS

(TASK STATEMENT)

TOOLS, EQUIPMENT, MATERIALS,
OBJECTS ACTED UPON

Tapes that show totals of source documents being processed

PERFORMANCE KNOWLEDGE

Compare totals resulting from the clearing operation with totals available on source documents
Seek help if figures cannot be balanced

SAFETY -- HAZARD

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DECISIONS

Decide if clearing figures balance with totals of source document
Decide if assistance is needed in balancing at the end of operation

CUES

Figures for clearing are the same as those on tapes of source documents

ERRORS

Errors in operations
Errors in firm's books
Loss of time

TASK STATEMENT) VERIFY TOTALS - RESULTING FROM 'CLEARING' THE MACHINE - WITH TOTALS ON THE TYPE OF SOURCE DOCUMENT. VERIFY ACCURACY OF POSTING, JOURNALIZING, AND/OR OTHER COMPLETED OPERATIONS

SCIENCE	MATH - NUMBER SYSTEMS
Understand transpositions and their correction Perform fundamental operations Addition Subtraction Multiplication Division	
COMMUNICATIONS	
<u>PERFORMANCE MODES</u> Reading Writing	<u>EXAMPLES</u> Totals resulting from clearing the machine Recording such totals as are necessary
<u>SKILLS/CONCEPTS</u> Comprehension, detail/inference Penmanship, classification, logic	

(TASK STATEMENT) RECORD ALL FIGURES AND TOTALS NECESSARY, AS DIRECTED

TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON	PERFORMANCE KNOWLEDGE	SAFETY - HAZARD
<p>Pen and/or pencil Firm's policies and procedures on recording results of operations Forms necessary for reports</p>	<p>Read firm's policies and procedures related to task Place results of operations on report form Report to department</p>	
<p><u>DECISIONS</u> Decide which figures and/or totals resulting from operations need to be recorded and/or reported, in light of firm's policies and procedures</p>	<p><u>CUES</u> Other departments need a result of operations Other operators are making reports</p>	<p><u>ERRORS</u> Errors in firm's books Loss of revenue Loss of time, by other departments Loss of job</p>

TASK STATEMENT) RECORD ALL FIGURES AND TOTALS NECESSARY, AS DIRECTED

<p>SCIENCE</p>	<p>MATH - NUMBER SYSTEMS</p>
<p>Behavioral Science (see index)</p>	<p>Capacity to record numerals correctly in and/or on correct report forms</p>
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Writing</p> <p>Reading</p>	<p><u>EXAMPLES</u></p> <p>Placing totals on reports</p> <p>Policies and procedures</p> <p><u>SKILLS/CONCEPTS</u></p> <p>Penmanship, spelling, classification, description, reports-information, clarity of expression, logic</p> <p>Comprehension, logic, detail/inference, terminology</p>

(TASK STATEMENT) USE, APPROPRIATELY, THE COUNT MADE BY THE COUNTER OF ITEMS/POSTINGS

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<p>TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON</p> <p>Pen and pencils Forms necessary for report Firm's policies and procedures on recording results of item/posting count</p>	<p>PERFORMANCE KNOWLEDGE</p> <p>Read firm's policies and procedures related to task Place necessary information in and/or on necessary reports</p>	<p>SAFETY -- HAZARD</p>
<p><u>DECISIONS</u></p> <p>Decide which count information needs to be reported, in light of firm's policies</p>	<p><u>CUES</u></p> <p>Other departments need the results of the count Other operators are making count report</p>	<p><u>ERRORS</u></p> <p>Loss of time by other departments</p>

TASK STATEMENT) USE, APPROPRIATELY, THE COUNT MADE BY THE COUNTER OF ITEMS/POSTINGS

<p>SCIENCE</p> <p>Behavioral Science (see index)</p>	<p>MATH - NUMBER SYSTEMS</p> <p>Capacity to record numerals correctly in and/or report forms</p>
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Writing</p> <p>Reading</p>	<p><u>EXAMPLES</u></p> <p>Placing totals on reports</p> <p>Policies and procedures</p> <p><u>SKILLS/CONCEPTS</u></p> <p>Penmanship, spelling, classification, description, reports - information, clarity of expression, logic</p> <p>Comprehension, detail/inference, logic, terminology</p>

(TASK STATEMENT) BUNDLE SOURCE DOCUMENTS BY TYPE

TOOLS, EQUIPMENT, MATERIALS,
OBJECTS ACTED UPON

Rubber bands
Source documents in area of operation

PERFORMANCE KNOWLEDGE

Bundle and secure source documents no longer needed in operations, those ready for returning to files and/or other departments

SAFETY -- HAZARD

DECISIONS

Decide if source documents are needed any longer at place of operations

CUES

All source documents needed for a given operation have been processed

ERRORS

Errors in firm's books
Loss of revenue
Misfiled records/source documents

<p>SCIENCE</p> <p>Behavioral Science (see index)</p>	<p>MATH - NUMBER SYSTEMS</p>
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Reading</p>	<p><u>EXAMPLES</u></p> <p>Separating source documents into bundles for return to files and/or delivered to other departments</p>
<p><u>SKILLS/CONCEPTS</u></p> <p>Comprehension, detail/inference, Definition, terminology</p>	<p>81</p>

(TASK STATEMENT) REACT TO SAFETY EMERGENCIES ACCORDING TO ESTABLISHED PROCEDURES

TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON

See sections of machine's manual related to the task
Firm's safety and emergency policies
Equipment necessary and proper to meet peculiar safety and emergency needs of the firm, including proper alarms systems

PERFORMANCE KNOWLEDGE

Read sections of machine's manual related to task
Read firm's policies related to task
Follow, where possible, established procedures for handling safety emergencies
Sound proper alarms

SAFETY -- HAZARD

Safety rules established by the firm in light of its peculiar safety and emergency problems
Use proper equipment to meet the peculiar problems in a given situation
Sound proper alarms
Results of unsafe performance
Injuring, shock and/or death

DECISIONS

Decide if a given occurrence warrants
Decide if there is a danger in working with the machine
Decide on steps to lessen possibilities of injury and danger

CUES

Strange aromas
Flames and/or sparks in operations area or in a machine
Cry of pain, or call for help

ERRORS

Injury, shock and/or death to an operator
Damage to machines and/or "down time"
Loss of revenue, records, and building
Loss of job

TASK STATEMENT) REACT TO SAFETY EMERGENCIES ACCORDING TO THE ESTABLISHED PROCEDURE

<p>SCIENCE</p> <p>Behavioral Science (see index)</p>	<p>MATH - TRUMBER SYSTEMS</p>
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Reading</p>	<p><u>EXAMPLES</u></p> <p>Safety, policies</p>
<p><u>SKILLS/CONCEPTS</u></p> <p>Comprehension, detail/inference, definition, terminology</p>	<p>77</p>

Duty F Closing the Machine and the Area After Operations

- 1 Close the machine
- 2 Remove processed source documents to their proper storage or file locations
- 3 Remove the files ("cans") of posted/processed records (for example: ledgers) to their proper storage locations

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(TASK STATEMENT) CLOSE THE MACHINE

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<p>TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON</p>	<p>PERFORMANCE KNOWLEDGE</p> <p>Turn off machine Disconnect from power source Cover machine</p>	<p>SAFETY -- HAZARD</p> <p>Area of machine should be dry Unplug machine by holding wire, not plug Results of unsafe performance-- shock</p>
<p>DECISIONS</p> <p>Decide if machine should be turned off and/or disconnected</p>	<p>CUES</p> <p>Work is completed</p>	<p>ERRORS</p> <p>Machine may generate unnecessary heat Damage to machine--'downtime', Loss of job</p>

SCIENCE	MATH — NUMBER SYSTEMS	
Behavioral Science (see index)		
COMMUNICATIONS		
<u>PERFORMANCE MODES</u>	<u>EXAMPLES</u>	<u>SKILLS/CONCEPTS</u>

(TASK STATEMENT) REMOVE PROCESSED SOURCE DOCUMENTS TO THEIR PROPER STORAGE OR FILE LOCATIONS

TOOLS, EQUIPMENT, MATERIALS,
OBJECTS ACTED UPON

Firm's policies and procedures relating to processed material
Processed source documents

PERFORMANCE KNOWLEDGE

Read firm's policies to task
Processed materials such as journals, and/or other source documents must be placed in their file and/or storage

SAFETY - HAZARD

DECISIONS

Decide if processed materials such as journals, etc., are needed further
Decide where items are to be delivered

CUES

Processed items are not needed for further processing

ERRORS

Loss of revenue and time in and/or by other departments
Loss of records
Errors in firm's books

TASK STATEMENT) REMOVE PROCESSED SOURCE DOCUMENTS TO THEIR PROPER STORAGE OR FILE LOCATIONS

SCIENCE	MATH - NUMBER SYSTEMS
Behavioral Science (see index)	
COMMUNICATIONS	
<u>PERFORMANCE MODES</u>	<u>EXAMPLES</u>
	<u>SKILLS/CONCEPTS</u>

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REMOVE THE FILES ('CANS') OF POSTED/PROCESSED RECORDS (FOR EXAMPLE: LEDGERS) TO THEIR
 PROPER STORAGE LOCATIONS
 (TASK STATEMENT)

**TOOLS, EQUIPMENT, MATERIALS,
 OBJECTS ACTED UPON**

See firm's policies relating to
 posted (or processed) ledgers

PERFORMANCE KNOWLEDGE

Read firm's policies related to task
 Return processed (or posted) ledgers
 to their normal storage location

SAFETY - HAZARD

DECISIONS

Decide if processed ledgers are
 needed further

CUES

Processed ledgers are not needed for
 further processing

ERRORS

Loss of revenue and time and
 and/or by other departments

REMOVE THE FILES ('CANS') OF POSTED/PROCESSED RECORDS (FOR EXAMPLE: LEDGERS) TO THEIR PROPER STORAGE LOCATIONS

TASK STATEMENT)

<p>SCIENCE</p> <p>Behavioral Science (see index)</p>	<p>MATH -- NUMBER SYSTEMS</p>
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p>	<p><u>EXAMPLES</u></p>
	<p><u>SKILLS/CONCEPTS</u></p>

**Duty G Maintaining Files of Bookkeeping Related Records in Correct Order, with
Accurate Balances**

- 1 File and secure all material according to firm's policies
- 2 Report any unusual-questionable and/or potentially illegal-items of
 information found in the files to at least two persons
- 3 Re-file, correctly, material found to have been misfiled
- 4 Run a trial balance on ledger (s) when required and/or advisable

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(TASK STATEMENT) FILE AND SECURE ALL MATERIAL ACCORDING TO FIRM'S POLICIES

TOOLS, EQUIPMENT, MATERIALS,
OBJECTS ACTED UPON

File system common to the firm
Firm's policies related to task
as stated

PERFORMANCE KNOWLEDGE

Read firm's methods and/c policies
of filing material
File items according to firm's
methods and/or policies
Secure items according to policies

SAFETY - HAZARD

DECISIONS

Decide if item is to be filed
Decide where item is to be filed
Decide if item has been filed
correctly
Decide if there is another item to
be filed
Decide if firm's need for file, for
the operation, is finished
Determine where to place file
Decide if files are safe.

CUES

Material (ledgers, journals, etc.)
is not needed for processing by
the machine at time
Work/operations are finished

ERRORS

Lost business material
Errors in information generated by
operations
Files stolen, destroyed, tampered
with

<p>SCIENCE</p> <p>Behavioral Science (see index)</p>	<p>MATH - NUMBER SYSTEMS</p> <p>For filing by a numerical system, ordering, indexing, and/or coding may be necessary</p>
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Reading .</p> <p>Speaking</p> <p>Listening</p> <p>Viewing</p>	<p><u>EXAMPLES</u></p> <p>Material type to be filed</p> <p>Asking advice on filing problems</p> <p>Answers to advice on filing</p> <p>Item to be filed</p>
<p><u>SKILLS/CONCEPTS</u></p> <p>Comprehension, detail inference, definition</p> <p>Terminology/general vocabulary, appropriate diction, enunciation, clarity of expression, logic, usage</p> <p>Auditory discrimination, concentration, logic, word definition</p> <p>Visual analysis, memory, describing, logic, detail and inference, color discrimination, recognition of symbols, codes</p>	

REPORT ANY UNUSUAL-QUESTIONABLE AND/OR POTENTIALLY ILLEGAL-ITEMS OF INFORMATION FOUND IN THE FILES TO AT-LEAST TWO PERSONS

(TASK STATEMENT)

TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON

Firm's policies on how to handle unusual and/or sensitive information

PERFORMANCE KNOWLEDGE

Read firm's security policies (on handling and mishandling) for potentially sensitive information and materials
Follow the firm's policies, report what may warrant reporting to at least two persons of authority

SAFETY - HAZARD

DECISIONS

Decide if material or information needs to be reported
Decide which persons should be informed
Decide if information has been communicated to the proper persons

CUES

More than one record/ledger on a given account
Items which reveal potential loss or compromise of the firm's sensitive/classified information

ERRORS

Conviction for a felony-public relations problems
Loss of employment

TASK STATEMENT)

SCIENCE	MATH - NUMBER SYSTEMS
Behavioral Science (see index)	

COMMUNICATIONS

<u>PERFORMANCE MODES</u>	<u>EXAMPLES</u>	<u>SKILLS/CONCEPTS</u>
Listening	Instructions on sources of action to this task	Auditory discrimination, discriminate facts from non-facts, recognize opinions, word definition
Viewing	Does item in question warrant reporting	Visual analysis, memory, describing, logic, detail and inference, color discrimination, recognition of codes symbols, and emblems
Speaking	Informing firm's management of unusual find	Terminology/general vocabulary, logic, appropriate diction, implying, enunciation, clarity of expression, usage
Reading	Firm's policies related to this task	Comprehension, detail/inference, definition, terminology
Writing	Report on an unusual item found	Penmanship, spelling, memo format, description, reports-informational clarity of expression, logic, usage

(TASK STATEMENT) RE-FILE, CORRECTLY, MATERIAL FOUND TO HAVE BEEN MISFILED

TOOLS, EQUIPMENT, MATERIALS,
OBJECTS ACTED UPON

File system common to the firm

PERFORMANCE KNOWLEDGE

Read firm's methods and/or policies
of filing material
Locate misfiled item
Locate correct place in file for the
item
Place misfiled item in correct
position in file

SAFETY - HAZARD

DECISIONS

Decide if item has been misfiled
Decide correct place for item in
filing system
Decide if item has been correctly
re-filed.

CUES

Item that may be misfiled does not
resemble other items near its
location (size, shape, color, etc.)

ERRORS

Lost business material
Errors in information generated by
operations

ASK STATEMENT) RE-FILE, CORRECTLY, MATERIAL FOUND TO HAVE BEEN MISFILED

<p>SCIENCE</p>	<p>MATH - NUMBER SYSTEMS</p>
<p>Behavioral Science (see index)</p>	<p>For filing by a numerical system, ordering, indexing and/or coding may be necessary</p>
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Reading</p> <p>Viewing</p>	<p><u>EXAMPLES</u></p> <p>Determining type of source documents sorted</p> <p>Hand sorting checks (banking) by color, shape, size as well as detail</p> <p>File all material according to policy</p>
<p><u>SKILLS/CONCEPTS</u></p> <p>Comprehension, definition, detail and inference, terminology</p> <p>Visual analysis, memory, description, logic, detail and inference, color discrimination, recognition of symbols, codes, and emblems</p>	

(TASK STATEMENT) RUN A TRIAL BALANCE ON LEDGER(S) WHEN REQUIRED AND/OR ADVISABLE

**TOOLS, EQUIPMENT, MATERIALS,
OBJECTS ACTED UPON**

Adding listing machine or
calculator
Firm's policies related to task

PERFORMANCE KNOWLEDGE

Read firm's policies related to task
Acquire ledgers that are to have a
trial balance made
Add ledgers
Compare the total of the trial
balance with the total of the
control account
If totals do not balance, run the
trial balance a second time; com-
pare the two tapes and locate the
error
Correct the error
Report the balancing, if necessary
and/or advisable

SAFETY -- HAZARD

DECISIONS

Determine if trial balance is to
be run
Determine if trial balance equals
control account
Determine nature of error, if any
Determine how to correct error
Determine if new trial balance is
necessary
Determine if comparison of trial
balances are in agreement
Determine if error has been
corrected

CUES

Control account and trial balance
are not in agreement

ERRORS

Firm's books will be out of balance
Error in trial balance may compound
errors later in accounting cycle

TASK STATEMENT) RUN A TRIAL BALANCE ON LEDGER(S) WHEN REQUIRED AND/OR ADVISABLE

SCIENCE	MATH - NUMBER SYSTEMS	
<p>Behavioral Science (see Index)</p>	<p>Fundamental Operations Addition Subtraction Division (location of transpositions)</p> <p>Use of computing devices and mechanical aids</p>	
<p>COMMUNICATIONS</p>		
PERFORMANCE MODES	EXAMPLES	SKILLS/CONCEPTS
<p>Speaking</p> <p>Reading</p> <p>Writing</p> <p>Lisrening</p> <p>Viewing</p>	<p>Getting assistance with task</p> <p>Firm's policies on trial balances</p> <p>Finding errors</p> <p>Assistance with task</p> <p>Looking for error</p>	<p>Terminology/general vocabulary, appropriate diction, enunciation, clarity of expression, logic, usage</p> <p>Comprehension, detail inference, Penmanship, logic, clarity of expression</p> <p>Auditory discrimination, discriminate facts from non-facts, concentration, logic</p> <p>Visual analysis, memory, logic, detail and inference</p>

Duty H Operating Various Related Office Machines

- 1 Operate a "10 key" adding-listing machine and/or calculator
- 2 Operate a "full key" adding-listing machine
- 3 Operate an alphabetic (and/or numerical) sorter
- 4 Operate a telephone

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(TASK STATEMENT) OPERATE A "10 KEY" ADDING-LISTING MACHINE AND/OR CALCULATOR

TOOLS, EQUIPMENT, MATERIALS,
OBJECTS ACTED UPON

10 key adding-listing machine and/or
calculator
Manuals for given machines

PERFORMANCE KNOWLEDGE

Read manuals for machines
Follow directions given in manuals
Practice with the machine(s)

SAFETY -- HAZARD

DECISIONS

Decide if machine's operations are
understood

CUES

New machines are often not under-
stood completely as to what
operations may be performed on/by
it

ERRORS

Loss of time and revenue
Damage to machine
Errors in firm's books

TASK STATEMENT) OPERATE A '10 KEY', ADDING-LISTING MACHINE AND/OR CALCULATOR

<p>SCIENCE</p> <p>Behavioral Science (see index)</p>	<p>MATH - NUMBER SYSTEMS</p> <p>Ability to read numbers correctly</p> <p>Use of computing devices and mechanical aids</p>
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Touching</p> <p>Viewing</p> <p>Reading</p>	<p><u>EXAMPLES</u></p> <p>Running 10-key adding machine</p> <p>Material to be added</p> <p>The manual of a new calculator</p>
<p><u>SKILLS/CONCEPTS</u></p> <p>Visual analysis, memory, logic, recognition of symbols, codes, and emblems</p> <p>Comprehension, detail inference, description of mechanism, definition, terminology</p>	

<p>TOOLS, EQUIPMENT, MATERIALS, OBJECTS ACTED UPON</p> <p>Full key adding-listing machine Manual(s) for a given machine(s)</p>	<p>PERFORMANCE KNOWLEDGE</p> <p>Read manuals for machines Follow directions in manuals Practice with the machine(s)</p>	<p>SAFETY - HAZARD</p>
<p><u>DECISIONS</u></p> <p>Decide if machine(s) operations are understood</p>	<p><u>CUES</u></p> <p>New machines operations are not understood completely as to what operations may be performed on/by it</p>	<p><u>ERRORS</u></p> <p>Loss of time and revenue Damage to machine Errors in firm's books</p>

TASK STATEMENT) OPERATE A "FULL KEY", ADDING-LISTING MACHINE

<p style="text-align: center;">SCIENCE</p> <p>Behavioral Science (see index)</p>	<p style="text-align: center;">MATH - NUMBER SYSTEMS</p> <p>Ability to read numbers correctly Use of computing devices and mechanical aids</p>
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<p>COMMUNICATIONS</p>		
<p style="text-align: center;"><u>PERFORMANCE MODES</u></p> <p>Touching</p> <p>Viewing</p> <p>Reading</p>	<p style="text-align: center;"><u>EXAMPLES</u></p> <p>Run a full key adding machine</p> <p>Material to be added</p> <p>The manual of a new calculator</p>	<p style="text-align: center;"><u>SKILLS/CONCEPTS</u></p> <p>Visual analysis, memory, logic, recognition of symbols, codes, and emblems</p> <p>Comprehension, detail/inference, description of mechanism, definition, terminology</p>

(TASK STATEMENT) OPERATE AN ALPHABETIC (AND/OR NUMERICAL) SORTER

TOOLS, EQUIPMENT, MATERIALS,
OBJECTS ACTED UPON

Alphabetic (and/or numerical) sorter
Materials to be sorted alphabeti-
cally and/or numerically

PERFORMANCE KNOWLEDGE

Place sorter on appropriate work
surface such as a table
From the material to be sorted take
item by item and place each
within appropriate tabs on the
sorter

SAFETY - HAZARD

DECISIONS

Decide behind which tab a given item
is to be sorted

CUES

Materials are not in the order
necessary for processing
at the bookkeeping machine

ERRORS

Loss of revenue-loss of time
Error in firm's books

TASK STATEMENT): OPERATE AN ALPHABETIC (AND/OR NUMERICAL) SORTER

SCIENCE	MATH — NUMBER SYSTEMS
<p>Behavioral Science (see index)</p>	
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Reading</p>	<p><u>EXAMPLES</u></p> <p>Items to be sorted alphabetically and/or numerically</p>
	<p><u>SKILLS/CONCEPTS</u></p> <p>Comprehension, detail inference, definition, terminology</p>

(TASK STATEMENT) OPERATE A TELEPHONE

TOOLS, EQUIPMENT, MATERIALS,
OBJECTS ACTED UPON

Telephone
Telephone book
Various educational materials
available from the phone company
and/or the firm

PERFORMANCE KNOWLEDGE

Read educational material available
from firm and/or telephone company
Apply understandings gained
Ask questions of experienced persons

SAFETY - HAZARD

DECISIONS

Decide if telephone is to be more
effectively and efficiently used

CUES

Communications are known to be not
as productive as they might be

ERRORS

Loss of revenue-loss of time
Errors in firm's books
Legal problems
Public relations problems

TASK STATEMENT) OPERATE A TELEPHONE

<p>SCIENCE</p> <p>Behavioral Science (see index)</p>	<p>MATH - NUMBER SYSTEMS</p> <p>Ability to recognize and dial phone numbers</p>
<p>COMMUNICATIONS</p>	
<p><u>PERFORMANCE MODES</u></p> <p>Reading</p> <p>Speaking</p>	<p><u>EXAMPLES</u></p> <p>Material related and necessary to operating a telephone more effectively and efficiently</p> <p>To person on telephone</p>
<p><u>SKILLS/CONCEPTS</u></p> <p>Comprehension, detail/inference, description of mechanism, definition, terminology</p> <p>Terminology/general vocabulary, appropriate diction, implying, enunciation, clarity of expression usage</p>	<p>108</p>

INDEX

Attributes of maximum functioning capacity

Conscious awareness of the need for a balance (both mental and physical) between tension and relaxation. Relates to:

1. comfort
2. caution
3. safety
4. physical, emotional, and intellectual health

Conscious awareness of physical expressions basic to peak physical performance:

1. body rhythm
2. breathing coordinated with body movement
3. body balance and posture
4. movement from tension to relaxation and vice versa

Conscious awareness of qualities basic to optimal mental performance:

1. attention
2. observation
3. concentration
4. mental alertness
5. mental quietude
6. mental clarity
7. organization