

## NETWORK SUPERVISOR—EADAS/NM DATA

Personnel assigned as Network Supervisor—EADAS/NM Data will be responsible for overall operation and maintenance of the EADAS/NM Central Control Unit (CCU). This position is responsible for establishing the initial data base and supervising the ongoing maintenance of the EADAS/NM data base. Initial work to establish the EADAS/NM data base may require an expanded clerical force. Following cutover, the data base activities will be managed by the regular work force.

The Network Supervisor—EADAS/NM Data is responsible for establishing a preventive maintenance plan for the CCU.

This position is responsible for interfacing with the managers of systems providing data to the EADAS/NM system, such as the EADAS computers or equivalent, 4A ETS PBC systems, etc., as well as the Network Supervisor—TNDS.

The Network Supervisor—EADAS/NM Data is responsible for interfacing with the Network Supervisor—EADAS/NM Control associated with the EADAS/NM system and providing the real-time data to drive the exception display board indicators and associated printers.

This position supervises up to four computer attendants and clerks. This force operates the computer, maintains the system definition data base and prepares and processes EADAS/NM updates. One CCU minicomputer and associated apparatus comprise the area of responsibility for this position.

The responsibility of this position dictates need for a substantial amount of coordination with the Network Supervisor(s)—CCU/TNDS; Network Supervisors—4A ETS/PBC; Network Supervisor(s)—Network Control; and the Network Supervisor—End Office. Activities of these positions must be coordinated to effectively and efficiently manage the total network operation. At times this position will be called upon to accomplish control activities during unexpected overload situations.

DUTIES AND RESPONSIBILITIES	PERCENT OF TOTAL TIME
A. CCU Operation	10
B. CCU Maintenance	10
C. Data Base Initialization (pre-cutover) 100%	
D. Data Base and Display Board Administration (post-cutover)	60
E. Network Design Order Coordination	10
F. Miscellaneous	10

**Note:** Any reference to the Bell System TNDS or EADAS configuration may be substituted by outside vendor names, if applicable. All recommendations should apply with minimal modification when utilizing other vendor products.

### NOTICE

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Bell System except under written agreement

**JOB TITLE: NETWORK SUPERVISOR—EADAS/NM DATA**

**DEPARTMENT: NETWORK**

**SUPERVISOR: NETWORK MANAGER—NETWORK CONTROL (EADAS/NM)**

### **JOB SUMMARY**

This position is responsible for the overall operation and maintenance of the EADAS/NM Central Control Unit (CCU). This responsibility includes the receipt of selected data from up to six EADAS systems (or equivalent) as well as direct transmission from up to 16 No. 4 Crossbar/ETS machines equipped with peripheral bus computers (PPC). Selected real-time data is then directed to the Network Management Center where data exceptions control operation of exception display board indicators and associated receive-only printers.

The CCU is built around a DEC\* PDP 11/70 minicomputer supplemented by various associated equipment (i.e., disc memory and controller, magnetic tape units, a punched-card reader, teletypewriter, DATASPEED 40 KDP stations, and an exception display board).

\*Registered trademark of Digital Equipment Corporation.

The Network Supervisor—EADAS/NM Data is also responsible for establishment of the EADAS/NM data base, as well as periodic updates when trunks or routings are changed, central offices in the network cluster are added or replaced, rehomes or reclassifications occur, or when exception parameters are adjusted.

**Note:** It is possible that the EADAS/NM CCU could be collocated with one or more EADAS minicomputers. Where this is the case, computer attendant efficiency and overlapping functions may dictate special force arrangements.

### **DUTIES AND RESPONSIBILITIES**

**10% A. Supervises operation of the EADAS/NM Central Control Unit (CCU) in processing data for near real-time surveillance by Network Management.**

- (1) Coordinates loading of generic program with installation forces.
- (2) Supervises attendants inputting system definitions.
- (3) Supervises attendants in modification and verification of existing system definitions.
- (4) Supervises scheduling and generation of system back-up tape.
- (5) Coordinates generic updates into working system.
- (6) Coordinates with network management center to ensure that threshold levels for exception indications are properly established and regulated.
- (7) Investigates situations where problems exist in the generation of real-time data. This includes assisting Network Supervisor—4A Toll (PBC), Network Supervisors—EADAS CCU and Network Supervisors—Network Control in identifying problems in their respective areas and assisting in solving those problems.
- (8) Supervises maintenance of administrative records and reports associated with CCU operation.

- (9) Provides assistance to Network Supervisor—Network Control in the event of unexpected overload situations.

**10% B. Administers the testing and maintenance of CCU and data links. (Assumes outside maintenance contracts for non-Bell System manufactured components of the CCU).**

- (1) Oversees maintenance of all documentation required for an ongoing maintenance plan for the various components of EADAS/NM.
- (2) Devises preventive maintenance plan with Maintenance Supervisor, data test center, and maintenance vendor, if applicable.
- (3) Supervises implementation of preventive maintenance plan. This plan may be by vendor contract.
- (4) Maintains records establishing assurance of maintenance plan.
- (5) Supervises diagnostic testing of CCU. Coordinates with Maintenance Supervisor (vendor or TELCO) in problem cause detection and implementation of corrective action.
- (6) Oversees monitoring of trouble indications (from system messages, audible or visual alarms, exception reports or other sources). Cooperates with CCU maintenance group (vendor or TELCO) in detecting and correcting any CCU hardware problems. Controls and coordinates all action taken to restore alarms and remove alarm-causing conditions with EADAS Phase One Network Supervisor(s), CCU maintenance group, or Network Supervisor(s)—Network Control.
- (7) Analyzes maintenance data and adjusts maintenance plan as appropriate.
- (8) Supervises recovery of system in event of power failure or other processing failure.
- (9) Coordinates provisioning of spare parts, supplies and tests equipment for CCU and associated equipment.
- (10) Establishes procedures for, oversees, and maintains overall CCU environmental conditions to include computer room cleanliness, support systems (lighting, air conditioning, temperature, humidity, etc), and supply reorder activities (for data tape, teletype and printer paper, and teletype printer ribbons).

**Note:** Activities of this position will encompass Part C or Part D at any given time.

**Precutover**

**C. Supervises initialization of data base for EADAS/NM.**

- (1) Receives inventory source materials from each participating operating telephone company and/or Long Lines. This information will include trunk forecasts, homing arrangements, routing guides, and the identity of central offices in the network cluster to be monitored and/or controlled.
- (2) Summarizes for each office the following information:
  - type of office, NXX codes and common language location identifier (CLLI)
  - trunk group names and quantity of trunks in each group
  - alternate routing arrangements

**DIVISION A, SECTION 3**  
**Appendix 15**

- quantities of common control equipment
- data collection device assignments (to EADAS Phase I or 4A PBC) (or vendor-supplied data collection system)
- network controls available
- discrete indications available (e.g., short sender timing)
- network management history (mass calling, INWATS, etc.)

- (3) Develops for each EADAS system a description of channels and polling order.
- (4) Coordinates with Network Supervisor—Network Control in determining specific layout of EADAS Display Board.
- (5) Supervises the assignment of exception items to Display Board.
- (6) Direct encoding of source documents to supply information required to operate EADAS/NM in conjunction with the generic tables. These specific tables are as follows:
  - Trunk Group Reference Table
  - Machine Profile
  - Machine Reference Table
  - Threshold Tables
  - Suffix Table
  - RSPTE Table
  - EADAS Identification
  - PBC Identification
  - Preprogrammed Controls
  - Discretes

**60% D. Administers and coordinates all activities related to the maintenance of the EADAS/NM data base.**

- (1) Arranges for receipt of appropriate update documents such as machine additions, routing changes, trunk changes and notice of rehomeing or cutovers.
- (2) Directs encoding of recent changes to reflect changes in amounts of equipment and trunks.
- (3) Coordinates input of changes in parameters or exception thresholds with Network Supervisor(s)—Network Control.
- (4) Coordinates input of changes in preprogrammed controls.
- (5) Coordinates the exception display board updates to reflect changes in data base.

**10% E. Cooperates with Network Engineers and provides all possible input to the writing of EADAS/NM portions of network design and equipment orders (include both basic and optional equipment related to the CCU).**

**10% F. Miscellaneous**

- (1) Represents the CCU operation at any meetings related to network management data collection for offices in the network management cluster. Participates as CCU representative at Implementation Committee meetings.
- (2) Oversees preparation of and receives from attendants all administrative reports related to the operation of the CCU and generation of network management data.
- (3) Administers personnel-related activities for reporting attendants and clerical force (Company policy and objectives, training, safety, absence, etc.).
- (4) Develops local procedures to ensure adequacy of work force and organizational efficiency. Oversees non-management training program and personnel development.
- (5) Maintains positive relations with the vocational representative groups.
- (6) Maintains positive intercompany and interdepartmental working relationships.

**SCOPE AND NATURE OF SUPERVISION**

- (1) This position reports to the Network Manager—Network Control, along with other Network Supervisors—Network Control whose assigned functions include network service control, preplanning and administration. Significant interaction is required with the other EADAS/NM supervisors as well as with supervisors of TNDS organizations.
- (2) Immediate supervisor is involved in the setting of the overall goals and policies of the CCU. However, most of the activities of this position are not subject to supervisory review. Incumbent is responsible and accountable for total CCU operation as well as data base accuracy.
- (3) Guides for job include DFMPs, BSPs, TFPs, planning letters, union contracts, and mutual agreements.