



# IP-Based Voice Communications System

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Request for Proposal

**Thursday July 20<sup>th</sup> 2017**

# Benton County

## REQUEST FOR PROPOSAL

### *County IP-Based Communications System*

#### **Scope and Specifications of the Proposal**

**SCOPE:** The intent of the RFP is to procure a premise-based countywide IP-Based Communications solution for Benton County.

Benton County reserves the right to modify the Scope and Specifications as circumstances require, including but not limited to adding, changing, or deleting proposed locations.

#### **PROPOSAL SUBMITTED BY:**

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(Company Name)

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(Address)

---

(State/Zip Code)

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(Typed Name of Person Submitting the Proposal)

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(Phone #)

(email)

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(Date of Proposal Submission)

**IMPORTANT DATES:**

Request for Proposal Issued:	July 20 <sup>th</sup> , 2017
Respondent Onsite Visit:	August 2 <sup>nd</sup> and 3 <sup>rd</sup> 8AM-430PM by Appt
Last Day for Questions:	August 10 <sup>th</sup> , 2017 by 12:00 PM CDT
Last Addendum Issued:	August 17 <sup>th</sup> 2017
Proposal Due Date:	August 31 <sup>st</sup> 2017 by 12:00 PM CDT
Bid Opening Date:	August 31 <sup>st</sup> 2017 at 12:00 PM CDT
Project Completion:	April 27, 2018

**SEALED SUBMITTAL REQUIREMENTS:** One original and five (5) paper copies, one (1) electronic copy in PDF format for a total of seven (7) complete sets of the Proposal for a Telephone System shall be **SEALED** and submitted on or before 12:00 PM CDT August 31<sup>st</sup> 2017. Send proposals to the following address:

**Benton County Auditor Treasurer  
Attn: Karri Thorsten – Phone RFP  
531 Dewey Street  
Foley, MN 56329**

**PROJECT MANAGERS**

Name	Title	Phone	Email
Steve Stang	IT Director	320-968-5042	<a href="mailto:sstang@co.benton.mn.us">sstang@co.benton.mn.us</a>
Jim Whitcomb	Facilities Director	320-968-5190	<a href="mailto:jwhitcom@co.benton.mn.us">jwhitcom@co.benton.mn.us</a>

Proposal is to be signed only by persons authorized to enter into a contract with Benton County.

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 RESPONDENT'S SIGNATURE

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 COMPANY NAME

## Acronyms for IP-Based Voice Communications System

ACD	Automatic call distributor
APC	American Power Conversion
CCS	Common Channeling Signaling
CDT	Central Daylight Time
CLID	Calling Line Identification
CMOS	complementary metal oxide semiconductor
LAN	Local Area Network
DHCP	Dynamic Host Configuration Protocol
DID	Direct Inward Dial
DNIS	Dialed Number Identification Service
DTMF	Dual Tone Multi Frequency Signaling
IP	Internet Protocol JTAPI
Java	Telephony Application programming interface
LDAP	Lightweight Directory Access Protocol
MGCP	Media gateway control protocol
NPA	Number Plan Area
NXX	Exchange after an area code
OET	Office of Enterprise Technology
PBX	Private Branch exchange
PoE	Power over Ethernet
PRI	Primary Rate Interface
PSTN	public switched telephone network
QOS	Quality of Service
RFP	Request for proposal
RTP	Real-time Transport Protocol
SMDR	Station Message Detail Recording
SNMP	Simple Network Management Protocol
TAPI	Telephony Application programming interface
TDM	time division multiplexed
UDP	User datagram protocol
UPS	Uninterruptible Power Supply
VLAN	Virtual local area network
VM	Voicemail
VMS	Voice Mail System
WAN	Wide Area Network

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## 1 SUBMITTAL REQUIREMENTS AND PROPOSAL FORMAT

- 1.01 **Proposal Clarification Questions:** After reviewing all proposals received in response to this RFP, the County may develop a list of clarification questions to be addressed by the Respondent. The County or its agent shall send these questions to the Respondent for clarification. The Respondent shall provide a response within three (3) working days following the inquiry.
- 1.02 **Submittal Requirements:** Proposals shall be submitted by tab number as instructed below. The Respondent agrees and shall comply with all provisions and specifications as stated in this RFP unless otherwise stated in the Exceptions section of this RFP. Any additional cost or factors to meet a specification or requirement must be noted in the Exceptions section. Failure to respond to these requirements may result in the proposal being considered non-responsive.
- A. Tab 1 – Minimum Criteria
    1. Cover letter – with overall price which includes cost of all requirements and features, any special conditions, and signature(s)
    2. A brief profile of the firm, including the following:
      - i. A brief history of the business
      - ii. Organizational structure of business
    3. The overall qualifications of the business to provide the services requested
  - B. Tab 2 – Required Documents
    1. Proof of required insurance
    2. Certifications and/or letter from manufacturer(s) that the firm is an authorized installer and maintenance provider
    3. Addenda – Any addenda issued subsequent to the release of this solicitation must be signed and returned with the firm’s proposal. Failure to return signed addenda may be cause for the proposal to be considered non-responsive.
  - C. Tab 3 – Executive Summary/Overview
    1. Written summary of the understanding of the scope of work to be performed
    2. Technical summary of the system proposed, including details about any “improvements” over and above the base request (for example, resiliency/redundancy, system management, database consolidation, or larger number of ports).
  - D. Tab 4 – Main Body of Response (Sections 1-8)
  - E. Tab 5 – Detailed Cost Breakdown
  - F. Tab 6 – Bill of Material, Equipment Specifications, and Drawings
  - G. Tab 7 – Respondent Assumptions

- H. Tab 8 – Installation Methodology and Drawings
- I. Tab 9 – Acceptance Testing
- J. Tab 10 – Software Upgrades and LDAP Interface
- K. Tab 11 – Respondent and Subcontractor Qualifications, Support Capabilities, and References
- L. Tab 12 – Project Team and Maintenance Team Information
- M. Tab 13 – Exceptions and Clarifications
- N. Tab 14 – Exhibits
- O. Tab 15 – Sales Documents and Brochures

1.03 **Exceptions to the RFP:** Respondents may find instances where they must take exception with certain requirements or specifications of the RFP. All exceptions shall be clearly identified in the Exceptions section, and written explanations shall include the scope of the exceptions, the ramifications of the exceptions for the County, and a description of the advantage to be gained or disadvantages to be incurred by the County as a result of these exceptions.

1.05 **Respondent Contact/Questions about the RFP:**

- A. Respondent communications shall be limited to contacts defined herein. Failure to comply with this provision may result in disqualification or evaluation penalty.
- B. It shall be the Respondent's responsibility to learn all aspects of the RFP requirements. Should any details necessary for a clear and comprehensive understanding be omitted or any error appear in the RFP documents, or should the Respondent note facts or conditions that in any way conflict with the letter or spirit of the RFP documents, it shall be the responsibility of the Respondent to obtain clarifications before submitting a proposal.
- C. Questions may be submitted until **12:00 PM CDT on 8-10-17**. After that time, no further questions shall be accepted. Submit questions to: Steve Stang at [sstang@co.benton.mn.us](mailto:sstang@co.benton.mn.us).

1.06 **Addenda:** It is incumbent upon each Respondent to carefully examine all specifications, terms, and conditions contained herein. Any inquiries, suggestions, or requests concerning interpretation, clarification, or additional information shall be made in writing, through the recipient named above. (See 1.05 C.) The County shall not be responsible for any oral representation(s) given by any employee, representative, or others. All requests for further information or clarification and answers to those requests will be posted on the Benton County website. No addenda shall be issued later than five (5) business days prior to the date for

receipt of proposals, except an addendum postponing or withdrawing the request for proposals. Respondents must acknowledge receipt of addenda in their proposals.

- 1.07 **Request for Proposal:** It is the sole responsibility of the Respondent to ensure that they have received the entire Request for Proposal.
- 1.08 **Performance Bond:** The successful Respondent shall furnish within ten (10) days of notification of award a Performance Bond in the amount of 100% of the proposed price, payable to Benton County as security for the faithful performance of the Contract. In the event that the contract is increased in cost, additional bonds may be required. The bond shall be issued by a corporation authorized to contract as surety in the State of Minnesota. An attorney in fact who signs a Performance Bond must file with the bond a certified copy of his/her power of attorney to assign said bond. The surety and form of the bonds shall be subjected to the approval of the contracting authority. The awarded Respondent, upon failure or refusal to furnish within ten (10) days of notification the required Performance Bond, shall pay to the County, as liquidated damages for such failure or refusal, an amount in cash. Reasonable attorneys' fees, costs or disbursements may be awarded in an action to enforce claims under the act if the action is successfully maintained or successfully appealed. Minn. Stat. § 574.26.
- 1.09 **Payment Bond:** The successful Respondent shall furnish within ten (10) days of notification of award a Payment Bond in the amount of 100% of the proposed price, payable to Benton County as security for payment as required by statute of all persons supplying labor and material. In the event that the contract is increased in cost, additional bonds may be required. The bond shall be issued by a corporation authorized to contract as surety in the State of Minnesota. An attorney in fact who signs a Payment Bond must file with the bond a certified copy of his/her power of attorney to assign said bond. The surety and form of the bonds shall be subjected to the approval of the contracting authority. The awarded Respondent, upon failure or refusal to furnish within ten (10) days of notification the required Payment Bond, shall pay to the County, as liquidated damages for such failure or refusal, an amount in reasonable attorneys' fees, costs or disbursements may be awarded in an action to enforce claims under the act if the action is successfully maintained or successfully appealed. Minn. Stat. § 574.26.
- 1.10 **Descriptive Material:** The County is not responsible for locating or securing any information that is not identified in the Respondent's proposal and reasonably available to the County. To ensure that sufficient information is available, Respondent must furnish as a part of the proposal all descriptive material necessary for the County to (1) determine whether the product offered meets the requirements of the RFP and (2) establish exactly what the Respondent proposes to furnish in terms of supplies, materials, and services.
- 1.11 **Network Diagram:** Voice and Data Network diagrams shall be submitted with the RFP. The diagrams shall include the proposed system network, connections to the PSTN, location of equipment, migration path, etc.; and must clearly differentiate between equipment included in the proposal, and that expected to be supplied by the County. Any and all drawings and/or diagrams must include sufficient detail and legends to enable interpretation by the reader.
- 1.12 **Subcontractors:** If Respondent's organization will use subcontractors, they must be



identified under the References tab of your response. Respondent shall not enter into any subcontract for performance of any of the services contemplated under this contract nor assign any interest in the contract without the prior written approval of the County and subject to such conditions and provisions as the County may deem necessary. Any assignment or subcontract that violates this provision shall be void. The Respondent shall be responsible for the performance of all subcontractors.

### 1.13 Replacement of Respondent Staff:

- A. Only in exceptional circumstances may the Respondent replace staff that is responsible for performing the Services.
- B. Without the prior written consent of Benton County, the Respondent is not entitled to replace, either temporarily or permanently, the staff who are responsible for performing the Services. Benton County will not withhold its consent without good reason and is entitled to attach certain conditions to its consent. The fees charged for the staff originally deployed on the Contract may not be raised if they are replaced.
- C. If Benton County wishes to replace staff that is responsible for performing the Services, because it feels that this is either necessary or desirable in the interests of the success of the Contract, the Respondent will comply with Benton County's request. The fee charged will not be any higher than the Contract rate as applied to the staff replaced, and shall be reduced if equitable.
- D. If staff responsible for performing the Contract is replaced, the expertise, qualifications and experience of the replacement staff deployed by the Respondent should be at least equal to those of the original staff.

### 1.14 Information System Security:

Information system security (ISS) is the protection of the integrity, availability, and confidentiality of automated information and the resources used to access, enter, store, process, and communicate the information.

- E. The Respondent is obliged to ensure that any of its Staff who works on the Contract, in so far as such work is performed on Benton County's premises, observe Benton County's security procedures and internal rules. Benton County will periodically advise the Respondent about these procedures and rules.
- F. Benton County may require Respondent to carry out and report the results of periodic security checks on members of the Respondent's Staff who are or are to be deployed on the Contract, in accordance with the rules usually applied by Benton County. Benton County is entitled to refuse to allow any person whose background is unsatisfactory to Benton County to work on the Contract.
- G. The Respondent also agrees that any and all employees of the company that will be performing work on the law enforcement side of Benton County's network could be required to submit to fingerprinting and criminal history checks, as well as any other pre-requisites deemed

necessary considering the work proposed to be done.

- H. The Respondent will adopt and maintain commercially reasonable, industry standard or better policies and procedures for remote access, security and mobile devices, to minimize third party security risks. Respondent shall also adhere to all Benton County remote access, security, mobile device or similar policies and other requirements. The Respondent is required to ensure that all Respondent employees and/or agents abide by Benton County; then-current remote access and security requirements, including such restrictions that will prevent or limit the storage or remote access to data of Benton County.
- I. All data collected, created, received, maintained or disseminated, or used for any purposes in the course of Respondent's performance of an Agreement is governed by the Minnesota Government Data Practices Act, Minn. Stat. Ch. 13 (the "Act"), or any other applicable state statutes and any state rules adopted to implement the Act, as well as state statutes and federal regulations on data privacy. Respondent shall agree to abide by these statutes, rules and regulations as they may be amended.

- 1.15 **Request for Additional Information:** Prior to the final selection, Respondents may be required to submit additional information regarding the Respondent's qualifications and experience that the County may deem necessary to further evaluate the proposal's qualifications.
- 1.16 **Proposal Award:** The RFP consists of a base proposal configuration that may be accepted or rejected in its entirety and proposal options that the County may accept or reject individually without regard to the listing order of the option, but only as the County determines is in its best interest.
- 1.17 **Right to Accept/Reject:** The County reserves the right to reject any or all proposals and waive any irregularities. The County also reserves the right to choose the proposal that is deemed in the best interest of the County based on any or all criteria, etc. In addition, the County reserves the right to negotiate any or all items and terms of proposal.
- 1.18 **After Hours Cost:** The cutover shall take place after hours (at a time to be determined), and work shall occur over a weekend. These costs shall be included in the total price presented in the RFP response.
- 1.19 **Denial of Reimbursement:** The County shall not reimburse Respondents for any costs associated with the preparation and submittal of any proposal, or for any travel and/or per diem costs that are incurred.
- 1.20 **Gratuity Prohibition:** Respondents shall not offer any gratuities, favors, or anything of monetary value to any official, employee, or agent of Benton County for the purpose of influencing consideration of this proposal.
- 1.21 **Right of Withdrawal:** A proposal may not be withdrawn by the contractor for a period of ninety (90) days following the time and date designated for receipt of proposals and each Contractor so agrees by submitting a proposal.
- 1.22 **Rights to Submitted Material:**

- A. All proposals, responses, inquiries, or correspondence relating to or in reference to this RFP, and all reports, charts, and other documentation submitted by Respondents shall become the property of Benton County when received.
  - B. The County reserves the right to retain all proposals submitted and to use any ideas in a proposal regardless of whether that proposal is selected. Submission of a proposal indicates acceptance by the Respondent of the conditions contained in this Request for Proposal.
- 1.23 **Selection Criteria:** Proposals shall be evaluated based on, but not limited to, the following criteria:
- A. Cost – The price included in the RFP response shall be the price evaluated. There SHALL NOT be an opportunity for a BEST AND FINAL OFFER. Respondent is encouraged to include their best prices in their initial response. Evaluation shall include up-front and maintenance costs as well as long-term price protection.
  - B. Technology – Ability to meet the County’s telecommunication configuration goals, hardware/network configuration, features & functionality, system management, Energy Star rating, and telephones.
  - C. Respondent/Manufacturer – Financial stability, references, installation methodology, project and maintenance teams experience and certifications, and long-term product support.
  - D. Support – Number of trained technicians, remote and on-site response time guarantee, dispatch distance, remote monitoring maintenance capabilities, prior support experience with Benton County and adherence to maintenance requirements.
- 1.24 **Selection Committee:** Proposals may be evaluated by a Selection Committee. The Selection Committee may request, at its discretion, any or all Respondents to provide on-site demonstrations of the proposed system.
- 1.25 **Submittal of Qualifications:** Respondents should submit experience and qualifications as described in the RFP. Additional information may be submitted as appropriate to further describe respondent and provide product capabilities.

## 2 TERMS AND CONDITIONS

- 2.01 **Contract:** Any award of a contract resulting from this RFP will be made only by written authorization from Benton County upon approval by the Benton County Board of Commissioners. The contract between Benton County and the Contractor shall consist of (1) the Request for Proposal (RFP) and any amendments thereto and (2) the proposal submitted by the Contractor in response to the RFP. In the event of a conflict in language between the contract and the RFP and the Proposals, the provisions and requirements set forth and/or referenced in the Contract shall govern. If there is a conflict between the RFP and the proposal, the RFP shall govern. The County also reserves the right to clarify any contractual relationship in writing with the concurrence of the Contractor,

and such written clarification shall govern in case of conflict with the applicable requirements stated in the RFP or the Contractor's proposal. In all other matters not affected by the written clarifications, if any, the Contract and the RFP shall govern.

- 2.02 **Termination/Cancellation of Contract:** Benton County may terminate the contract at any time for breach of contractual obligation, convenience, or non-appropriation of funds by providing the Contractor with a written notice of such termination. Should the County exercise its right to cancel the contract for such reasons, the termination shall become effective on the date as specified in the notice of termination sent to the Contractor.
- 2.03 **Compliance with Laws:** In connection with the furnishing of supplies or performance of work under the contract, the Contractor agrees to comply with the Fair Labor Standard Act, Equal Opportunity Employment Act, and all other applicable Federal and State laws, regulations, and executive orders to the extent that the same may be applicable, and further agrees to insert the foregoing provision in all subcontracts awarded hereunder.
- 2.04 **Incurred Expenses:** This RFP does not commit the County to award a contract, nor shall the County be responsible for any cost or expense that may be incurred by the Respondent in preparing and submitting the proposal called for in this RFP, or any cost or expense incurred by the Respondent prior to the execution of a contract agreement.
- 2.05 **Indemnification:** The Contractor agrees it shall defend, indemnify, and hold harmless the County, its officers, and its employees against any and all liability, loss, costs, damages, and expenses, including attorney's fees that the County, its officers, or its employees may hereafter sustain, incur, or be required to pay arising out of the negligent or intentional acts or omissions of the Contractor's officers or employees
- 2.06 Benton County Insurance Requirements
- A. Provider shall not commence work under the Contract until it has obtained at its own cost and expense all insurance requirements herein. All insurance coverage is subject to approval of Benton County and shall be maintained by Provider until final completion of the work.
  - B. **Workers Compensation.** Insurance covering all employees meeting statutory limits in compliance with the applicable state and federal laws. The coverage must include Employers' Liability with limits of \$500,000 for each claim; \$500,000 for each occurrence and \$500,000 aggregate.
  - C. **Comprehensive General Liability.** Coverage shall have minimum limits of \$1,500,000 per occurrence and \$2,000,000 general aggregate, Combined Single Limit for Bodily Injury Liability and Property Damage Liability. This shall include Premises and Operations; Independent Contractors; Products and Completed Operations (if applicable); Contractual Liability; Explosion, Collision and Underground (XCU); Hazard Liability (if applicable); Personal Injury Liability; and Aircraft and Watercraft Liability (if applicable).

- D. **Business Auto Liability.** Coverage shall have minimum limits of \$1,200,000.00 and \$400,000.00 per person per occurrence, Combined Single Limit for Bodily Injury Liability and Property Damage
- E. **Liability.** This shall include: Owned Vehicles, Hired and Non-Owned Vehicles and Employee Non-Ownership.
- F. **Professional Liability.** Coverage shall have minimum limits of \$500,000.00 per claim, \$1,500,000.00 per occurrence, and \$2,000,000.00 aggregate limit.
- G. **Special Requirements:**
1. Benton County is to be included as an *Additional Insured* on both the Comprehensive General Liability and Business Auto Liability Policies.
  2. Current, valid insurance policies meeting the requirements herein identified shall be filed with Benton County before the contractor commences a project and maintained during the named project's duration. Renewal Certificates shall be sent to Benton County within thirty (30) days prior to any expiration date. There shall also be a thirty (30) days notification to Benton County in the event of cancellation or modification of any stipulated insurance coverage.
  3. It shall be the responsibility of the Contractor to insure that all subcontracts comply with the same insurance requirements that he/she is required to meet.
- 2.07 **Safety:** Respondent shall take the necessary precautions and bear the sole responsibility for the safety of the methods employed in performing the work. The Respondent shall at all times comply with the regulations set forth by federal, state, and local laws, rules, and regulations concerning OSHA and all applicable state labor laws, regulations, and standards. The Respondent shall indemnify and hold harmless the County from and against all liabilities, suits, damages, costs, and expenses (including attorney's fees and court costs) that may be imposed on the County because of the Respondent's, Subcontractor's, or supplier's failure to comply with the regulations.
- 2.08 **Ownership of Work Product(s):** Any work product, including but not limited to software programs, documentation, memoranda, correspondence, and/or files generated by the Contractor in the course of this work for the County is the sole property of the County. All work products must be surrendered to the County at the completion of the Contract. The Contractor shall prepare and maintain all records required by the County to substantiate the amount and types of services rendered and for other purposes. The County shall inform the Contractor of the need for and nature of all such records.
- 2.09 **Warranty of IP-Based Communications System:** In a contract resulting from this RFP, Contractor shall warrant that during the warranty period, all hardware, equipment, and licensed software (including third-party software installed or recommended by Contractor or its subcontractors) of the integrated telephone system solution shall perform at a minimum in all material aspects within the specifications

and functional requirements defined by the Scope of Service/Work of the RFP. The foregoing representations and warranties shall be in force as to each version or release of software, system, components, networks, and equipment.

- 2.10 **Independent Contractor:** Nothing contained in this agreement is intended or should be construed as creating the relationship of co-partners or joint ventures within the County. The Contractor shall remain an independent contractor, and all employees of the Contractor or its subcontractors shall remain the employees of the Contractor or subcontractor and shall not become the employees of the County. No tenure or any rights or benefits, including worker's compensation, unemployment insurance, medical care, sick leave, vacation leave, severance pay, or other benefits available to County employees shall accrue to the Contractor or employees of the Contractor performing services under this agreement.
- 2.11 **Nondiscrimination:** All Contractors agree that during the life of the contract, the Contractor shall not discriminate against any employee or applicant for employment because of race, color, creed, national origin, sex, marital status, disability, sexual orientation, age, religion, or status with regard to public assistance, and shall intend a similar provision in all subcontracts entered into for the performance thereof. All proposals shall be accompanied by a signed statement of this fact, with failure to sign reason for proposal rejection.
- 2.12 **Default and Cancellation:**
- A. If the Contractor fails to perform any of the provisions of this Request for Proposal or so fails to administer the work as to endanger the performance of the contract, this shall constitute default. Unless the Contractor's default is excused, the County may, upon written notice, immediately terminate this agreement in its entirety.
  - B. Back orders, failure to meet delivery requirements, or failures to meet specifications in the contract authorizes the ordering entity to cancel the contract, or any portion of it, purchase elsewhere, and charge the full increase in cost and administrative handling to the defaulting Contractor. In the event of default, the County reserves the right to pursue any other remedy available by law. A Contractor may be removed from the Contractors list, suspended, or debarred from receiving a contract for failure to comply with terms and conditions of the contract or for failure to pay the County for the cost incurred on the defaulted contract.
- 2.13 **Severability:** Every section, provision, or part of this agreement is declared severable from every other section, provision, or part thereof, to the extent that if any section, provision, or part of this agreement shall be held invalid by a court of competent jurisdiction, it shall not invalidate any other section, provision, or part thereof.
- 2.14 **Third-Party Products:** Contractor agrees to assign or pass through to the County or otherwise make available for the benefit of County, any manufacturer's or supplier's warranties applicable to any third-party software, hardware, or equipment provided by Contractor or its subcontractors under a contract resulting from this RFP.
- 2.15 **Title to Software:** By submitting a proposal, the Respondent represents and warrants that it is the sole owner of the software or, if not the owner, that it has received all legally required authorizations from the owner to license the software, has

the full power to grant the rights required by this solicitation, and that neither the software nor its use in accordance with the contract shall violate or infringe upon any patent, copyright, trade secret, or any other property rights of another person or organization.

- 2.15 Contractor further specifically agrees to defend, indemnify and save harmless the County, its elected officials, officers and employees against any and all liability, loss, costs, damages and expenses, including attorneys' fees, which the County, its officers and employees may hereafter sustain, incur or be required to pay as a result of any goods furnished by the Contractor failing to comply with any and all applicable patent, trademark and copyright laws and standards. Further, if any goods furnished pursuant to this contract shall be determined to be in violation of any applicable patent, trademark or copyright law, the Contractor agrees to replace the goods immediately with non-infringing goods, which in the County's opinion, are substantially similar in nature to those purchased under this contract.
- 2.16 **New Material:** Unless otherwise provided for in this specification, the Respondent represents and warrants that the goods, materials, supplies, or components offered to the County under this RFP solicitation are new, not used or reconditioned. It represents that they are not of such age or so deteriorated as to impair their usefulness or safety and that the goods, materials, supplies, or components offered are current production models of the respective manufacturer.
- 2.17 **Ownership of Intellectual Property:** All copyright and patent rights to all papers, reports, forms, materials, creations, or inventions created or developed in the performance of this contract shall become the sole property of the County. Upon request, the Contractor shall promptly provide an acknowledgment or assignment in a tangible form satisfactory to the County to evidence the County's sole ownership of specifically identified intellectual property created or developed in the performance of the contract. This excludes ownership of proprietary software belonging to the respondent, except software developed specifically for the County for which the County pays.
- 2.18 **Term of Software License:** Unless otherwise stated in the solicitation, the software license(s) identified in the pricing schedule shall be purchased on a perpetual basis and shall continue in perpetuity. The County reserves the right to terminate the license at any time, although the mere expiration or termination of this contract shall not be construed as intent to terminate the license. All acquired license(s) shall be for use at any computing facilities, on any equipment, by any number of users, and for any purposes for which it is procured. The County further reserves the right to transfer all rights under the license to another state agency to which some or all of its functions are transferred.
- 2.19 **Return of Assets:** Except as otherwise provided in the Contract, or upon termination of the Contract, the Contractor shall return all County-owned assets, including, but not limited to stored data and information, and shall delete and remove all trace of such data and/or information from any of Contractor's systems or subsystems, as well as any Sub-Contractor's systems and/or subsystems.
- 2.20 **Excessive Downtime:** Equipment or software furnished under the contract shall be

capable of continuous operation. Should any part of the equipment or software become inoperable for a period of more than four (4) hours, the Contractor agrees to pro-rate maintenance charges to account for each full hour of inoperability beyond four (4) hours. The period of inoperability shall commence upon initial notification. In the event the equipment or software remains inoperable for more than three (3) consecutive calendar days, the Contractor shall promptly replace the equipment or software at no charge upon request of the County. Such replacement shall be with new, or refurbished product(s) of comparable quality, and must be installed and operational within three (3) consecutive calendar days following the request for replacement.

- 2.21 **Firearms:** No provider of services pursuant to this Contract, including but not limited to employees, agents, or subcontractors of the Contractor, shall carry or possess a firearm on County premises or while acting on behalf of Benton County pursuant to the terms of this agreement. Violation of this provision shall be considered a substantial breach of the Agreement and is grounds for immediate suspension or termination of this contract.

A. Other Contract Terms:

1. Compliance with Laws/Standards
2. General: The Contractor shall abide by all Federal, State, and local laws, statutes, ordinances, rules, and regulations now in effect or hereinafter adopted pertaining to this Contract or to the facilities, programs, and staff for which the Contractor is responsible.
3. Licenses and Permits: The Contractor shall procure all licenses, permits, or other rights necessary for the fulfillment of its obligation under this Contract. The Contractor indemnifies, saves, and holds harmless the County and any agents, commissioners, officers, employees, or volunteer workers thereof from any and all claims, demands, actions, or causes of action of whatsoever nature or character arising out of, allegedly arising from, or related to the execution or performance of the services of the successful Respondent provided for herein.
4. Force Majeure: Neither party shall be held responsible for delay or failure to perform when such delay or failure is due to any of the following, unless the act or occurrence could have been foreseen and reasonable action could have been taken to prevent the delay or failure: fire, flood, epidemic, strikes, wars, acts of God, unusually severe weather, acts of public authorities, or delays or defaults caused by public carriers, provided the defaulting party gives notice as soon as possible to the other party of the inability to perform.
5. **Inability to Perform**: Contractor shall make every reasonable effort to maintain staff, facilities, and equipment to deliver the services to be purchased by the County. The Contractor shall immediately notify the County in writing whenever it is unable to provide the agreed upon quality and quantity of services or reasonably believes it is going to be unable to provide this level of service. Upon such notification, the



County shall determine whether such inability requires a modification or cancellation of this Contract.

- B. In the event the County terminates the Contract for cause in whole or in part as provided above, the County may procure, upon such terms and in such manner as the County may deem appropriate, services similar to those so terminated, and the Contractor shall be liable to the County for any excess costs for such similar goods or services. The Contractor shall continue the performance of the Contract to the extent not terminated under the provisions for this section.
- C. The rights and remedies of the County provided in this section shall not be exclusive and are in addition to any other rights and remedies provided by law or under this contract.
- D. **Payment Terms:** Payment terms shall be event based and negotiated with the successful respondent prior to contract signing. The County shall issue no payment until they have verified the invoice. The County shall retain at least 10% of all authorized payments until acceptance of the work is authorized.
- E. **Software Licensing Agreements:** Within the RFP response, Contractor agrees to provide copies of software licensing agreements for all proposed software applications and operating systems.
- F. **Record Disclosures/Monitoring Procedures:** Contractor's bonds, records, documents, papers, accounting procedures and practices, and other evidences relevant to this contract are subject to the examination, duplication, transcription and audit by the County and either the legislative or State Auditor, pursuant to Minn. Stat. § 16C.05, subd. 5. Such evidences are also subject to review by the Comptroller General of the United States, or a duly authorized representative, if federal funds are used for any work under this Contract. Contractor agrees to maintain such evidences for a period of six (6) years from the date services or payment were last provided or made or longer if any audit in progress required a longer retention period.
- G. **Venue and Jurisdiction:** The parties agree that Minnesota is both the place of making of this Agreement and the place of performance of this Contract and shall be governed by and construed in accordance with the laws of the State of Minnesota. All proceedings related to this Contract shall be venued in Benton County, in the State of Minnesota.

### 3 OVERVIEW

This RFP documents Benton County's requirements for an IP-based voice communications system. The proposed IP communications system must be able to support all the required call processing, voice messaging, management and administrative features of this RFP. In addition, the proposed IP communication system must be capable of meeting anticipated growth without major system cost (i.e. forklift upgrade). This Request for Proposal is intended to provide a standard base from which to evaluate

alternatives for communications systems and to allow the respondent flexibility in proposing the most appropriate and cost-effective system. The acceptance of a proposal does not obligate Benton County to purchase a system from any respondent. Benton County reserves the right to reject all proposals and not make a decision. All costs for proposal preparation are the responsibility of the bidder. After receipt of the proposal and prior to signing the contract, Benton County reserves the right to modify the system requirements by adding or deleting specific equipment or optional features.

Benton County is looking for an IP voice solution. Bidders should use their knowledge and experience within the communications industry to recommend a creative solution that will meet or exceed Benton County requirements.

### 3.01 Experience and Existing Customers:

Prerequisites: All prospective Proposers must meet or exceed the following:

- A. Proposer must provide three references of installations.
- B. Proposer must provide a reference where they have installed and maintain the telephone system at a city, county, school district, or business enterprise.
- C. Proposer must provide two references that demonstrate all of the following:
  1. The Proposer must have sold and installed hardware architecture identical to that in which is being proposed, with at least 100 integrated stations in a networked environment.
  2. Proposer must possess extensive knowledge of all equipment proposed and must have at least one year of experience with the same system(s) in an effectively similar environment.

### 3.02 Evaluation of Price Proposal:

The price included in the RFP response will be the price evaluated. There will NOT be an opportunity for a best and final offer. Proposers are encouraged to include their best prices in their initial response.

## 4 KEY SYSTEM REQUIREMENTS

**Respondent Experience and Vision:** Evaluation of the respondent's experience in building intelligent network infrastructures and implementing Internet technologies.

**Respondent Support/Service Capabilities:** Remote serviceability, technical support of the entire communication system and applications.

**IP-based Voice capabilities and Intelligent Network Infrastructure:** Integration of voice applications with a converged Internet Protocol (IP) solution. Ability to provide highly reliable and available switching systems, a wide variety of interfaces to the PSTN and legacy TDM equipment, and choice of analog or IP phones for endpoints including users, modems, fax machines, conference rooms, etc.

**Reliability:** Respondent's system must not have a single point of failure. Respondent must supply phone sets with inline power (with option of local outlet) for power fail dial

tone availability. System must have the option for remote locations to sustain survivability in the event of a data loss or cut to main system.

**Voice Quality:** Must be toll quality voice. Latency must not exceed 35 milliseconds in one direction. QOS must not require infrastructure upgrades. QOS should be provided in a simple manner.

**Respondent support for Open System Standards:** The respondent should be committed to supporting open system industry standards, such as G.729, 802.1p and 802.1q, MGCP, RTP, TAPI, JTAPI, etc. IP handsets must use a standard signaling protocol (i.e. MGCP or SIP). All features must be available on analog sets. System must support and be certifiable with any switch or router from any respondent.

**Voice Messaging:** A Scalable, cost-effective voice messaging solution that supports both telephone and desktop access; that also supports unified messaging with standard desktop and cloud-based email solutions such as Microsoft Outlook, Microsoft Office365 and multi-system voice mail to email networking.

**System Administration:** Single point of management from any point on the network for all components including the PBX, voicemail, auto attendant, ACD and unified messaging system. Maximum flexibility for rapid, efficient, and cost-effective configuration changes to user profiles and IP telephone equipment through a standard browser-based interface.

**Scalability:** Modular, cost-effective growth in both phones and applications over the next five-ten years. Fork-lift upgrade scenarios will not be acceptable.

**Simplicity of Installation:** Ease of installation and configuration will be important. Respondent should provide system project management tool for implementation planning.

**Training and Usage:** System must be easy to use and easy to learn and administer. See section 7.13 of RFP for more detailed information.

#### 4.01 Requirements for Benton County's IP Communications System:

Benton County requires the following: **See also Exhibit A – Functional Requirements and Exhibit B – County WAN Diagram**

A. Benton County seeks a solution that integrates its communications system with a Voice Over Internet Protocol integrated voice and data system. All existing telephones should be replaced with equivalent new IP phones that support basic telephony features. An employee should be able to log in anywhere on the network and potentially the internet, automatically receive calls without administrative intervention.

B. Benton County also requires voice mail for all users with options for voicemail to email, and collaboration software such as chat and softphone capabilities.

C. The five Benton County locations (Public Works, Sheriff, Courts, Government Center, and Property Management Building) are inter-connected via private multi-mode fiber connections at speeds ranging from 100mbps to 1gbps. Each location should have the ability to access all the features and functionality of the phone system.. System directories, class of service for telephony capabilities, trunk group access, should apply to all locations. See network diagram exhibits for more specific information.

## 5 SCOPE OF SERVICES

5.01 The County plans to procure a premise-based (with possible future option to host) County-wide telephone system to replace the current Mitel Phone System and anticipates that the system shall be completed prior to May 1<sup>st</sup> 2018.

5.02 Upon completion of this project, the County shall have a telecommunications system/service provider capable of providing the following:

- A. Platform – All locations shall be served by a single IP premise based telephone platform capable of providing survivability, feature transparency, and business continuity across all locations on the network. Each model of telephone shall be the same at all locations when applicable.
- B. Dial Plan – Four-digit dialing shall be utilized between all locations on the voice network without the need for an access code.
- C. Voice Mail – The voice mail system shall support integration with the County's Mdaemon SMTP email platform and will be able to support Microsoft Exchange 2013 & 2016 and Outlook 2013 & 2016 and Office 365.
- D. Fault Tolerance – The telephone system shall be redundant and shall be designed to ensure that internal and external traffic can be rerouted or reconnected in the event of a system, network, or PSTN failure.
- E. Survivability – The satellite buildings shall have the option/ability to retain feature functionality during an outage of the primary controller/server or if the primary PRI connection is lost.
- F. System Management – The management systems shall provide a single point of access to the system for day-to-day administration, reporting, and telephone system maintenance.
- G. Unified Communication – The system shall support a wide variety of applications, including presence, instant messaging, mobility, collaboration, desktop video conferencing, and PC desktop call control.
- H. ACD – The system will support automatic call distribution and reporting. The system shall also allow agents to work from any location on the voice network, and any securely connected remote location.
- I. Contractor – The solution shall be provided by an experienced Contractor who has extensive IP telephony, data networking, contact center, and unified communications experience. The Contractor shall provide a

turnkey system including but not limited to all hardware, software, installation, training, and support.

### 5.03 Existing Infrastructure – See Also Exhibits B and C

- A. The County’s primary telephone infrastructure consists of a mix of digital and analog Mitel phone service to all facilities using fiber to connect to nodes in other buildings.
  - 1. All locations currently serviced by centrally located Mitel SX200 lite
  - 2. All locations currently serviced by a single voice mail system
- B. Data Network Electronics – Cisco PoE (see Data Network Section 9)
- C. Wide Area Network – see Exhibit B, in Exhibits Section 20.
  - 1. State of Minnesota Collaboration internet Connection: Midco
- D. Cable
  - 1. CAT 3 or higher cable shall continue to be utilized to support all analog fax and modem connections.
  - 2. The County shall provide CAT 5 or higher to support the IP voice and data network.
- E. Power: Backup Generator and UPS systems
  - 1. Government Center – IT Datacenter is equipped with UPS and generator power. IT closets for west end of building are equipped with UPS and generator power.
  - 2. Sheriff’s Building – Generator power throughout the building and IT closet. UPS in Datacenter and Data Closet as well.
  - 3. Courts Building – No generator power in building. UPS in data closet.
  - 4. Public Works Building – Generator power throughout the building and UPS in IT closet.
- F. Email Platform
  - 1. Server: Alt+N Mdaemon
  - 2. Clients: Microsoft Outlook 2010 and WorldClient web client.
- G. Call Recording – See Exhibit A (optional)

## 6 GENERAL ROLES AND RESPONSIBILITIES

### 6.01 Permission to Proceed

- A. The Contractor’s first task shall be to submit a Statement of Work with an estimate of schedules and benchmarks. The document should identify in detail the exact tasks that the County and Contractor must perform and/or be responsible for in order to accomplish the delivery

and installation of the system. The Contractor shall project delivery date and installation period by function (cable, under-carpet wiring, switch, stations, etc.), which shall allow the Contractor to meet the required completion date.

- B. The Contractor shall provide the County with shop drawings of the proposed equipment placement for each location prior to the procurement of equipment or commencement of work. The Contractor shall make corrections and additions as necessary to the design documents. Equipment lists, data sheets, etc., shall be provided in MS Word, MS Excel, and MS Visio compatible formats.
- C. The submittals must be received and approved by the County prior to the procurement of material or the commencement of work. Any procurement or work performed prior to this approval is at the Contractor's own risk and expense.
- D. The project timeline shall not be altered due to lateness of submittals. The Contractor shall remain bound to deliver a timely, complete, and finished project as stipulated in their contract.
- E. The failure of the Contractor to provide submittals as required herein may result in the cancellation of the contract.
- F. Contractor must obtain the County's permission before proceeding with any work necessitating cutting into or through any part of a building structure.

#### 6.02 Damage and Cleanup

- A. Existing floors, walls, ceilings, or any structural piece shall not be drilled or cut without prior approval of the County. The Contractor shall be held responsible for and make payment on any damage caused from the delivery and/or installation of its work.
- B. The Contractor shall keep the premises clean from debris and rubbish. After each workday, the Contractor shall remove any rubbish or waste from the working area. If the County is required to clean up, the cost shall be charged back to the Contractor.

#### 6.03 Project Manager

- A. The Contractor shall appoint a Project Manager who shall be the main point of contact regarding the project for the County. The Project Manager is responsible for the following:
  1. Ensuring the contract is completed successfully in a timely manner.
  2. Guaranteeing the work and performance of all employees and subcontractors that have been hired by the Contractor.
  3. Completing and submitting all required submittals and documentation.
  4. Attending all project coordination and/or construction meetings as required by the County, plus chairing a weekly project status meeting throughout the duration of the project.

5. Maintaining the project status meeting minutes and distributing them to all participants within two days following the meeting, including action items and those responsible.
  6. Providing written status reports to the County Project Manager(s) monthly.
  7. Informing the County of all unexpected conditions and problems that may result in delay or expense. The Contractor must report issues immediately upon discovery and must provide the County with the option(s) for resolving them.
- B. If the Contractor seeks to change the Project Manager during the course of the project, such change is subject to Section 1.14 Replacement of Respondent Staff.
  - C. The County reserves the right to request a new Project Manager during the course of the project if the Project Manager does not perform to the County's satisfaction.
  - D. The Contractor shall do a full discovery of the current system's operational and physical locations/wiring and programming for phone and voicemail services in order to understand how the proposed system will be setup.
  - E. Prior to ordering, furnishing, or installing any equipment, the Contractor shall obtain the County's written approval of equipment, locations, layout, and installation.
  - F. If other Contractors' work delays the Contractor, that information must immediately be communicated to the County's Project Manager(s) and appropriate extra time may be allowed. Shipping delays are the sole responsibility of the Contractor.

#### 6.04 Cable Management System

- A. The Contractor shall use the County's cable management system where equipped to provide a neat and efficient means for routing and protecting fiber and copper cables and patch cords on telecommunication racks and enclosures according to all electrical codes and standards.

#### 6.05 Installation Requirements

- A. The Contractor shall perform the upgrades, installation, configuration, user and administrative training for the County's personnel, and support of the proposed systems.
- B. Contractor and/or its subcontractors are fully authorized/certified to supply, upgrade, install, configure, provide warranty service, and troubleshoot/support the proposed equipment.
- C. All installing personnel have completed certified manufacturer training, or the Contractor shall contract with manufacturer for installation of all proposed components.
- D. For any equipment items/systems accepted by the County and made part of the contract, the delivery, installation, configuration, testing, user

training, and documentation must be included in the project schedule.

- E. The Contractor shall take responsibility for proper ordering, shipping charges and delivery of all component parts. This includes any components to be ordered from any third-party companies. The Contractor shall be responsible for proper storage of delivered equipment.
- F. The personnel listed in the Respondent's proposal shall be the personnel assigned to this project. If changes are required, the Contractor shall gain written approval from the County's Project Manager(s) prior to assignment of substitutes.
- G. Manufacturer(s), respondent or a certified training agency's training must be offered to the County employees on products supplied.
- H. The Contractor has, with staff employees, previously configured and operated a system with components as quoted.
- I. Any technician(s) dispatched to install or fix a failed component shall have been factory trained and certified by the manufacturer of the proposed equipment. The Contractor is responsible for following industry standards and all manufacturer installation and maintenance practices.
- J. The Contractor is responsible for working with the appropriate County personnel to understand its IP addressing scheme and for implementing this scheme in the furnished devices. Currently, the County uses a mixture of static addressing and DHCP. The County shall work with the respondent to enable DHCP addressing for all telephony devices.
- K. The Contractor must install hardware in a secure manner. Screws shall be tightened to a torque just sufficient to secure equipment without deforming washers beyond their original diameter.
- L. All rack-mount equipment shall be secured as recommended by the manufacturer with consideration to airflow, power, and patch cable connections.
- M. The Contractor shall be responsible for labeling all cables and equipment components installed as part of this project. In doing so, make the labeling of each component:
  - 1. Unique, to prevent it from being confused with other similar components.
  - 2. Legible and permanent enough to last the life of the component. Handwritten labels shall not be permitted.
- N. Velcro straps shall be installed snugly without deforming cable insulation. Straps shall be spaced at even intervals not to exceed 4-feet.
- O. The Contractor shall make the system properly operational and physically secure by mounting equipment and related accessories into furniture, consoles, and racks as required. Manufacturer's guidelines for installation shall be followed. Discrepancies in installation procedure or inability to complete a given task due to a shortage of materials or malfunctioning



equipment shall be reported to the County immediately upon discovery.

- P. Systems described in this document, once configured by the Contractor, shall be delivered to the customer installation location and installed by the Contractor without any additional cost or expense to the County, and the County shall not be deemed to have accepted any equipment until the date of system acceptance.
- Q. The Contractor shall unpack equipment from shipping material and organize equipment into the kits from which it shall be used. This includes checking to ensure that all equipment is complete and fully functional. Empty boxes and packaging shall be neatly organized per the County's instructions and removed if requested.
- R. The Contractor shall be responsible for the removal of existing equipment not incorporated. That equipment shall be inventoried, boxed, and removed by Contractor and placed in a specified location as designated by the County. The boxes shall clearly show the inventoried contents. The County shall be responsible for disposal of equipment.
- S. Client quantities included in this RFP are estimates. The Contractor shall be required to perform station surveys to verify quantities. Any increase in components prior to acceptance shall be at pre-cutover costs, and deletions shall not be charged restocking fees.
- T. The Contractor will work with departments and current phone system directly to determine specialized call routing and answering trees. These will be setup in the new phone system according to requirements of each department.
- U. The Contractor shall supply one complete set of hardware and software documentation/manuals for all provided items at no additional cost.

#### 6.06 Security

- A. When deploying any product, software, or application associated with this RFP, the Contractor shall harden the resulting system(s). Hardening includes the following actions:
  1. Determining the purpose of the system and minimum software and hardware requirements
  2. Documenting the minimum hardware, software, and services to be included on the system
  3. Installing the only the minimum hardware, software, and services necessary to meet the requirements using a documented installation procedure
  4. Installing necessary operating system and software patches/updates
  5. Installing the most secure and up-to-date versions of applications
  6. Configuring privilege and access controls by first denying all, then granting back the minimum necessary to each user
  7. Configuring security settings as appropriate, enabling allowed activity

and disallowing other activity

8. Enabling logging sufficient for the County telephony staff to determine equipment faults or configuration problems in the telephony equipment
9. Archiving the configuration and checksums in secure storage prior to system deployment
10. Testing the system to ensure a secure configuration
11. Using secure replication procedures for additional, identically configured systems, making configuration changes on a case-by-case basis
12. Changing all default passwords to complex passwords that meet minimum County security standards
13. Setting up data backups and recovery designs.
14. Testing the resulting systems

#### 6.07 Project Closeout and Acceptance

- A. Checklist – Work or materials found to be incomplete, of unsatisfactory quality, failing to meet the specifications in the RFP package and resulting contract, and/or unacceptable to the County shall be documented in a checklist by the County and provided to the Contractor to rectify. This shall be a living document, accessible by all Project Managers, both County and Contractor, for the duration of the project, until all items are complete.
- B. Checklist Approval – The checklist shall be considered complete only after having been signed by the County.
- C. Acceptance – Acceptance shall occur after all of the following conditions have been met:
  1. All items/systems have been delivered, installed, configured, tested, and transitioned into service.
  2. The system, including all ancillary devices, applications, and options made part of the contract, has had 30 consecutive days with 100 percent availability.
  3. All of the work has been completed in accordance with the contract and RFP specifications (including testing procedures as outlined in the accepted response).
  4. Training as specified is complete.
  5. The system operates in conformance with manufacturer's published specifications.
  6. Public Switched Telephone Network connections with desired local and long distance call routing options requested by the County (least cost, next best route, etc.) are all functioning correctly.
  7. All of the documentation requirements have been met.

8. All outstanding checklist items have been completed.
  9. The system post-cutover requirements have been completed.
  10. The Contractor has supplied test results needed to verify compliance with the specifications found in this RFP package.
  11. The Contractor has certified in writing to the County that the system is installed and operational in accordance with these specifications and is ready for use.
  12. The County or the County's designated representative has inspected the installation and provided written approval.
  13. Software refresh has been completed (to ensure all systems operate on the latest software).
  14. All cabling has been properly dressed, labeled and documentation delivered.
  15. All training as described in the RFP has been completed.
- D. At this time, upon the County's written acceptance, operational control becomes the responsibility of the County. This constitutes Date of Acceptance. The warranty for the entire system and all components begins as of this date.

#### 6.08 Service and Support

- A. Server and Software Maintenance – The Contractor shall provide all necessary server and software maintenance on a turnkey basis during the first year warranty period and any subsequent maintenance term. The Respondent shall be responsible for operating system and database tuning, patches, hardware, and software diagnosis, recovery, and version upgrades as needed. Contractor shall work directly with the County on application modifications, diagnosis, recovery, customization, configuration, and how-to questions. Contractor shall manage backups of data, application, operating system, and database management system as required to provide for full recovery in the event of a disaster or hardware failure. The Contractor shall coordinate and work with the server hardware maintenance provider in the diagnosis and repair of the server hardware. Contractor shall perform restores and recovery without the County's assistance.
- B. Warranty Period and Maintenance – The Contractor, by entering into a contract with the County, warrants and represents that all materials, equipment, and services delivered to the County pursuant to the contract conforms to all of the specifications contained or referred herein. The Contractor further guarantees to replace all materials, equipment, software, or services that may be rejected by the County due to defective materials or workmanship for a minimum of one year following final acceptance of all systems. Failure or neglect of the County to require compliance with any term or condition of the contract specifications shall not be deemed a waiver of such term or condition.
- C. The following must be included in the warranty period and under

maintenance contract:

1. Monday-Friday, 8:00 a.m. - 5:00 p.m. call-out on minor alarms
  2. Seven day per week 24-hour call-out coverage shall be provided for the items listed below.
    - i. Critical alarms
    - ii. System outages including 10% or more of telephones or trunks at any County location or department
  3. Three-hour on-site response time for critical alarms and system outages
  4. Software upgrades
  5. Patches
  6. Corrective maintenance
  7. All labor except for upgrades to major software releases
  8. Materials
  9. Four-hour replacement on all core call control components on the telephone and voicemail systems and PRI services
  10. Next business day for non-critical components
  11. Remote support
  12. Telephone support to assist County IT personnel with technical and system management issues and questions
  13. Database backups for business continuity
  14. Off-site software storage
  15. Work to completion
  16. 24 hour x 7 days a week service center
  17. 24 hour x 7 days a week alarm monitoring and remote trouble resolution (Respondent must include all hardware and software required to support this application in base telephone system cost.)
- D. Maintenance Guarantee – A signed letter from both the Respondent and manufacturer is required guaranteeing maintenance of the proposed system over its life. Should the manufacturer discontinue this product or cease to do business, the Respondent guarantees to stock an adequate supply of components to maintain the system over its stated lifetime. Further, should the Respondent cease to do business, the manufacturer guarantees to provide components and services for this installation over its lifetime.

## **7 BASE TELEPHONE SYSTEM REQUIREMENTS**

### **7.01 Telephone and Voice Mail Design Requirements**

- A. The premise based or hosted telephone and voice mail systems shall have a single database to administer, provide survivability, offer

feature transparency across all locations, and utilize the County's WAN/LAN to provide service between the locations specified in this RFP.

- B. The telephone platform shall be designed and configured to ensure all IP telephones and PRI gateways have a secondary call control/server that they can re-register with should their primary call control/server fail or be unavailable.
- C. All locations shall be designed to be survivable to ensure that all IP telephones shall continue to function and that internal and external traffic, including voice mail terminations, shall be rerouted to the PSTN network over locally equipped trunks if the WAN connection or hosted service is unavailable.
- D. All trunks, including digital and analog, shall be accessible from any location on the network.
- E. The telephone platform shall be sized and equipped based on the current specifications provided in *Telephone System Configuration Table* below as well as **Exhibit C in section 20**: These numbers are calculated estimates and will most likely change once the project has been engaged and the discovery phase is completed. We'd like to go with a standard phone for all employees with the exception of conference room phones and reception desk needs if the features are comparable with our current models.

Phone Types and Counts - 400					
Model: 401	Model: 410	Model: 4001	Model: 430	Model: 4025	Model: Conference
60	181	11	14	123	11

- 7.2 Basic Telephone System Features Requirements – Features (both those enumerated and those referenced) may be “called” something else, but the functions those features provide must be available as described or better.
- A. ACCOUNT CODE CAPABILITY – An adjunct to Station Message Detail Recording, which allows a station user to enter a cost accounting or client billing code into the system after dialing a long distance number.
  - B. AREA/OFFICE CODE RESTRICTION – The ability of the switching system to selectively identify six-digit area and office codes and either allow or deny passage of long distance calls to those specific six-digit codes. This type of restriction is usually provided on a trunk group basis and on an “allowed” rather than “denied” basis.
  - C. AUTOMATIC CALL DISTRIBUTION SERVICE – Indicates the ability of the system to offer uniform distribution of incoming calls to station users (called agents) on a random basis or to the station that has received the fewest calls. This facility generally includes the capabilities to queue,

on a first-in, first-out basis, a predetermined number of delay announcements; to identify incoming calls; to transfer to supervisory positions; to transfer to other groups of agents; and to originate non-ACD calls.

- D. **AUTOMATIC RECALL** – After a prescribed period of time, this feature automatically alerts the attendant of a camped-on or unanswered call completed through the attendant position. This enables the attendant to give a status report to the calling party.
- E. **AUTOMATIC RINGBACK ON HELD CALL** – When a station user or attendant places a given line circuit on hold and goes on-hook, the held line shall automatically revert to an incoming call condition after a prescribed period of time.
- F. **CALL BACK QUEUING** – Allows a station user encountering an all-trunks-busy condition to activate the Call Back Queuing (CBQ) feature and hang up. When a circuit becomes idle, the system shall recall the user, and when the person answers, the system shall automatically place the call.
- G. **CALL FORWARDING ALL, BUSY OR RNA** – Allows a station user to program at any time any internal station number (or the attendant), and when activated by the station user, all incoming calls to this station shall be automatically re-routed to that preprogrammed number.
- H. **CALL FORWARDING EXTERNAL** – The ability to forward a call to a telephone number external to the system (local or long distance).
- I. **CALL PARK** – Once a call is placed in the “park” condition, any station within the system may retrieve it by either dialing the appropriate access code or by pressing a special feature button on a station instrument.
- J. **CALL WAITING** – The ability to hear or produce a beep tone to a busy phone, alerting the user that another call is ringing in. The user then has the choice to alternate between calls, hang up on the original call and take the new call, or ignore that beep tone.
- K. **CLASSES OF SERVICE** – An industry term referring to the capability of assigning to each station within a system a variety of allowed or denied types of calls on both an incoming and an outgoing basis. In some systems, this further extends to “programming” specific stations for access to specialized system features. Each system has a predetermined number of such “classes” available for assignment to any station.

- L. CONFERENCE CALLS – The ability to connect, in any combination of internal and external parties as long as at least one party to the conference call is the initiating internal party.
- M. DIRECTED CALL PICK-UP – A station user is able to answer calls ringing on any other station within the system by dialing a unique answer code of that particular station to be answered.
- N. DISTINCTIVE RINGING – Provides a unique pattern of station ringing to permit the user to distinguish internal from external calls.
- O. DO NOT DISTURB – A facility that allows a station user, upon dialing a special code, to “busy-out” the station for temporary periods of time when the user does not want to be disturbed. A corresponding special code must be dialed to re-establish service to the station. While in activation, this facility does not prevent the station from initiating calls.
- P. FIXED NIGHT SERVICE – An arrangement used to route incoming central office calls, normally answered at the attendant position, to pre-selected stations within the system when the attendant is not on duty.
- Q. FLEXIBLE NIGHT SERVICE – Permits the attendant to set up night connections in accordance with day-to-day requirements, with full flexibility in the assignment of incoming trunks to various stations. Such night service assignments must be established by the attendant on each occasion they are activated.
- R. HOT-LINE STATIONS – Instruments are specially programmed to dial a specific internal station number or “0” for the attendant when the station user goes off-hook.
- S. INTERCEPT TREATMENT - ATTENDANT – For calls that cannot be completed by the switching system, automatic routing takes place to the attendant.
- T. INCOMING DIGIT MANIPULATION – Ability to add, strip, or completely change the digits of any incoming DNIS, DID, or Tie Line number in order to reroute the call to the appropriate location.
- U. GROUP CALL PICKUP – A station user may dial a special code to answer any incoming calls ringing in another designated call pickup group.
- V. LAST NUMBER REDIAL – Memory contained either within the system common equipment or within the station instrument; enables the station user to dial a special access digit and activate a speed calling treatment of the last 10 numbers that were dialed or received from/at that station instrument.
- W. LEAST COST ROUTING WITH 6-DIGIT SCREENING – The ability to screen the first six digits of the dialed number, normally the NPA and NXX, to determine the least expensive trunk group on which to route the call

- X. MESSAGE WAITING – The ability to activate a message waiting lamp on the user’s telephone from the attendant console, telephones with appropriate class of service, and voice mail systems.
- Y. MULTIPLE TRUNK GROUPS – An indication that the switching system is capable of being equipped (and accessed accordingly by station dialing) for more than one group of outgoing trunk circuits.
- Z. MUSIC ON HOLD ACCESS - SYSTEM – Centralized availability of customer or system provided audio source input for system-wide distribution to all “held call” conditions within the system, both for attendant and station use.
- AA. 911 DIAL PLAN – Users must be able to dial either 9-911 or 911 for access to emergency services. If a caller dials 911, the system should automatically insert the trunk access code (usually a 9).
- BB. OUTGOING TRUNK CAMP-ON PRIORITY – Applying to any trunk group within the system, this facility allows the station user, upon encountering an All Trunks Busy condition, to dial an access code or press a feature button that puts them in queue for an available trunk. The station’s queue priority may be assigned on a Class of Service basis.
- CC. PC-BASED SOFT PHONES – IP telephone functionality and complete feature functionality on a PC without the use of an actual telephone instrument. (All major functions must operate under low bandwidth conditions.)
- DD. PROGRAMMABLE OUTGOING NUMBER DISPLAY –Allows the outgoing calling line identification for each telephone to be changed to any 10-digit number.
- EE. SPEED CALLING - STATION – Allows station users to assign abbreviated codes to certain frequently called numbers, usually associated with outgoing Central Office calls.
- FF. SPEED CALLING - SYSTEM – Allows any user on the system to dial abbreviated codes to certain frequently called numbers, usually associated with outgoing Central Office calls.
- GG. STATION MESSAGE DETAIL RECORDING – Provides a record of calls placed to or from a telephone station or attendant console, including starting time, call duration, all digits of the called/calling number, and the specific trunk or trunk group used.
- HH. TOUCH-TONE CALLING – A station and attendant dialing arrangement whereby industry-standard Dual Tone Multi-Frequency signaling is issued at all instruments, softphone and the attendant console.
- II. TRAFFIC REPORTS – Provides the customer with detailed data on the traffic carried by the switching equipment, including peg counts, CCS (centum call statistics) measurements and overflow measurements for all trunks and trunk groups’ attendant consoles, stations, features, and any time slot sensitive infrastructure of the proposed system.



- JJ. TRUNK ANSWER FROM ANY STATION – A night service facility activated by the attendant, whereby incoming calls normally directed to the attendant activate a common alerting system (bells, gong, etc.) on the customer’s premises. These incoming calls from non-restricted stations thereby “meet” the incoming call.
- KK. TRUNK-TO-TRUNK CONNECTIONS - ATTENDANT – An attendant is able to establish a connection between any two trunk circuits that terminate in the system.
- LL. TRUNK-TO-TRUNK CONNECTIONS - STATION – A system may provide this feature in either or both of two versions. (1) A station already in connection with either an incoming or outgoing trunk circuit is able to use the Add-on Conference circuitry to affect a conference with another trunk circuit. (2) Once a three-way conference is so established, the system shall maintain control and supervision of the two trunk circuits in connection.
- MM. TRUNK VERIFICATION BY CUSTOMER (Attendant) – Applying only to Switched Loop Consoles, the attendant is able to access individual trunks by dialing an access code followed by the specific trunk number for purposes of testing to verify supervision and transmission.
- NN. UNIFORM CALL DISTRIBUTION – Similar to Automatic Call Distribution Services, the facility permits incoming Central Office calls to be terminated directly from the Central Office to the idlest of a prearranged group of stations without attendant assistance or intervention.
- OO. VOICE PAGING ACCESS – Allows attendants and station users to dial access customer-provided loudspeaker or internal phone speaker paging equipment.
- PP. TTY and ADA compliance – System will allow use of TTY and other ADA compliant devices.

### 7.03 Maintenance Alarm Requirements

- A. The system should define an alarm as an event that takes place when an anomaly is detected and corrective action is required.
- B. There are three classes of alarms:
1. Critical – Indicates a loss of service that demands immediate attention. This alarm invokes system fail transfer.
  2. Major – Indicates a fault that affects service to many users. Usually results in major degradation in service and requires attention to minimize user concerns.

3. Minor – Indicates any fault that does not fall into any of the above two classes (e.g., single set or single trunk failure).

C. An alarm condition is cleared when the fault is

#### resolved. 7.04 Security Requirements

- A. The system offers comprehensive Toll Control as an integral part of the Call Control. It allows restriction of user access to trunk routes and/or specific external directory numbers. It also allows Class of Restriction (COR) and Class of Service (COS) features that can substantially reduce the risk of toll fraud.
- B. Authorized access to the system tools provides protection for various administration commands from unauthorized users. The web-based system tools are as follows:
  1. System Administration
  2. Group Administration
  3. Personal Desktop User

7.05 Telephone Desktop Sets Requirements – The phones shall be manufactured in accordance with FCC hearing aid compatibility technical standards codified at 47 C.F.R. § 68.316 and the Telecommunications Act of 1996. The desktop phones should be comparable to features that are already in use with the current phone types along with the appropriate user profile for the IP phone type and size. All phones must be gigabit-speed capable.

#### 7.06 Networking Requirements

- A. The telephone system supports four-digit dialing to all locations without dialing a leading digit.
- B. The telephone system allows users to transfer calls across the internal network. There shall be no limit on the number of times a call can be transferred between locations, and the system shall utilize trunk optimization to ensure that redundant paths are released when both the transferred and terminating station/trunk are within the same network location.
- C. All user phones shall have caller ID name and number appear on display before answering when a call originates over the internal or PSTN network.
- D. The following features should be available from one site to another over an internal transparent network:
  1. Callback busy/no answer
  2. Call forwarding
  3. Call hold
  4. Called line identity
  5. Calling line identity
  6. Camp on
  7. Conferencing
  8. Distinctive ringing

- 9. Do not disturb
- 10. Centralized SMDR
- 11. Centralized voice mail
- 12. Centralized trunks

- E. PRI trunks shall terminate at a specified County location and shall be accessible by all locations on the network.
- F. Proposed system(s) shall support centralized voice messaging over the IP network. User interaction with the voice messaging system shall be the same no matter where the user is located on the internal network. This includes, but is not limited to, multi-hop forwarding, message waiting lights, call forwarding to personal greetings, and message retrieval.
- G. Proposed system(s) must allow for a common numbering

#### plan. 7.07 E-911 Requirements

- A. All 911 calls originating from a County location shall provide an emergency line identification (ELID) number that could be used by the public safety automatic line identification (PSALI) database to identify the location of the calling party. The ELID number shall be a DID number that is assignable to a single telephone and a group of telephones or network switch that are in the same area.
- B. The system must be able to interface directly to Century Link's Viper 911 phone system for caller ID and call recording using 4 digit dialing.
- C. The system must be able to interface with Eventide Call recording systems in the Dispatch Center.
- D. The system should have the ability to present an ELID number based on the data electronics switch port that supports the IP telephone.

#### 7.08 Voice Data Network Integration Requirements

- A. The system must offer the following:
  - 1. SNMP for alarms and health monitoring, enabling the telephone system to integrate with existing data network managers.
  - 2. LDAP interface with Microsoft Active Directory. The interface shall allow the following system management functions to be accessed:
    - i. Add a new user's telephone and voice mailbox.
    - ii. Change a user's telephone number.
    - iii. Change a user's name.
    - iv. Change a user's VM password.
    - v. Update the system telephone directory.
    - vi. Change PSTN access privileges.
    - vii. Change feature privileges.
    - viii. Enable access to applications such as Presence and

## Audio Conferencing.

### 7.09 Voice Mail System Feature Requirements

- A. Auto Attendant – Provide multiple auto attendants or trees with the ability to do the following:
  - 1. Play different multi-level greetings depending on the time of day, day of week, or day of year.
  - 2. Provide a County directory that allows dial-by-number or dial-by-name.
  - 3. Provide separate auto attendant or trees for departmental use as required. Can be configured/revised by user-department staff.
  - 4. Allow single-digit option extension.
  - 5. Provide zero-out option to predefined extension number or secondary tree.
- B. Broadcast Message – Provide the ability for the system administrator or operator with the appropriate passcode to send a message to all users on the voice messaging system.
- C. Call Answer – VMS calls shall be answered on the first ring and be time and date stamped.
- D. Disconnect Detection – The VMS must detect that a caller has hung up and immediately disconnect and restore the line to service.
- E. DTMF Signaling – The system must be able to receive and generate standard DTMF tone signaling.
- F. Escape – A caller shall have VMS escape options before or after leaving a message by dialing 0 to reach an operator or up to five digits to an extension.
- G. Forwarding – The following forwarded call types must be accommodated by the VMS:
  - 1. Internal calls within the telephone system
  - 2. Analog DID, Centrex, 1FBs, or PRI digital service
  - 3. Toll-free lines
  - 4. Tie trunk
- H. Identification (Pass Codes) Code – Users accessing the system shall enter at least a four-digit pass code, which must be system validated to provide security with option for user's desk phone to remember the code.
- I. Integration – The voice mail system must fully integrate with the proposed telephone system.
- J. Message Forwarding – Messages may be forwarded to single or multiple destinations with or without introductory comments.
- K. Pass Code Change Control – The system should allow user-controlled pass code changes.
- L. PSTN Connection Blocking – It shall not be possible for a

caller connected to the PSTN to be reconnected to the PSTN.

- M. Security – A caller shall not be able to pass through any auto attendant to reach an outside line.
- N. System Announcement/Broadcast – The system must support a system announcement or broadcast message up to five minutes in length to all mailbox subscribers.
- O. System Distribution Lists – The VMS shall support a minimum of 50 system distribution lists with a minimum of 100 mailboxes each.
- P. Subscriber Mailboxes – Must provide the following:
  - 1. Password Protection – Access to a subscriber’s mailbox has option to be password protected.
  - 2. Answer Announcement – Individual personalized greetings of up to three minutes for each mailbox are required. At a minimum, the system shall provide standard and extended absence greetings.
  - 3. Menus – The system must provide easy-to-use menus that allow subscribers to send urgent, private, or certified messages.
  - 4. Message Waiting – The system must be capable of lighting a message- waiting light on the user’s telephone and allow a user to set up external notification to cell phone, or other telecommunications device when a new message has arrived.
  - 5. Voicemail to Email – System will have the ability to send audio files of the voicemail to users email addresses.
  - 6. Message Reply – Mailbox owners must be able to reply to a message from a mailbox on the same system.
  - 7. User Controls – The VMS protocol shall provide the following user controls:
    - i. Playback messages
    - ii. Skip to next message
    - iii. Forward/review within the message
    - iv. Cancel review
    - v. Replay last message
    - vi. Replay faster or slower
    - vii. Pause
    - viii. Append information
    - ix. Reply to sender
    - x. Forward message (to mailbox or list)
    - xi. Create new answer announcement
    - xii. Increase playback volume
- Q. Tutorial – The system must provide a user tutorial that assists

new subscribers with mailbox setup.

- R. Message Review – It shall be possible for a caller leaving a voice mail message to review, delete, or edit a message.
- S. VMS Remote Maintenance – The system shall be equipped with a remote maintenance port to allow the manufacturer, supplier, or system administrator to connect remotely to perform service or administrative functions.
- T. Voice Mail Security Requirements
  - 1. Password – alphanumeric up to 4 digits.
  - 2. Password Change Control – The ability to force users to change their pass code periodically. This is a variable length of time, which normally can be set by the system administrator as required.

#### 7.10 Call Accounting System Requirements

- A. The system must provide access for system administration, reporting, and maintenance.
- B. The system shall be capable of collecting all inbound (including CLID if provided), outbound, and internal call records from the telephone system.
- C. The system shall provide standard and customizable report options, which can be generated monthly, weekly, daily, or ad hoc as needed.
- D. The system shall allow monthly reports to be automatically generated and distributed via email or accessed via web browser as designated by the County.

#### 7.11 System Management Requirements

- A. The system must offer a complete telephone, voice mail, and call accounting management tool that enables the customer to do the following:
  - 1. Handle system administration for all telephone and voice mail servers and gateways, including the ability to schedule updates, add and delete users, audit status of managed devices).
  - 2. Provide templates for all telephone models and voicemail box configurations.
  - 3. Provide alarm management.
  - 4. Provide scheduling of maintenance functions such as data upgrades, backup, and restore.
  - 5. Provide remote software distribution and installation.
  - 6. Locate unused directory numbers, mailboxes, and unused circuits.
  - 7. Provide tools that allow IT personnel to troubleshoot IP-related issues down to the telephone level, including but not limited to congestion, packet loss, jitter, and CMOS scores.
  - 8. VMS Usage Reports – Shall be available on customer demand or automatically on a pre-programmed basis of quarter-, half-, or one-hour timeframes or daily and weekly. At a minimum, they shall

report the following:

- i. Storage space used for announcement or information mailboxes
  - ii. Message storage space
  - iii. Maximum storage space used during the report interval
- B. System Backup – Provide a means to back up all telephone and voice mail databases, configurations, greetings, auto attendants, and messages.
- C. The management tool should have the following programming tools designed for different user levels:
1. System Administration Tool – Provides an interface for trained technicians to use to program the system.
  2. Group Administration Tool – Provides an interface that enables administrators and receptionists to make changes to user information (e.g., hunt groups).
  3. Configuration Tool – Enables the installer to get a new system or gateway up and running.
- D. The County would prefer a browser interface for the user end.
1. Any browser-based systems shall not use Java or

#### Flash. 7.12 Implementation Requirements

- A. Standards – As these specifications are put together with no specific equipment or Respondent in mind, the Contractor shall include in the installation cost multiple informational presentations to the County management. This first round of meetings is to determine the County standards of how the system is to be installed. The Contractor's customer service personnel shall inform the County Project Manager(s) of decisions that they shall need to make regarding the equipment being installed. The County Project Manager(s) shall indicate which decisions are the County standards and which decisions are available for the departments to make. Any decisions or requests at the department level that either increase cost or are outside of the County standards shall need the written approval of the County Project Manager(s).
- B. Current System review – The contractor will do a complete analysis of the current phone and voicemail system. This will allow for documentation of all features and lines in service prior to new system implementation. This information will provide a roadmap for the departmental review process and allow for departments to have input on how they would like the new system setup to meet their needs as it pertains to call routing, phone features, line appearances, call groups, night service setup, etc.
- C. Departmental Review – The Contractor's customer service personnel shall hold departmental meetings with each department to identify current phone system use, features and identify all configuration changes needed to support the proposed system and agreed-upon standards.
- D. Documentation – The Contractor shall be responsible for marking the

location of each telephone on the County-provided floor plans and updating the County cable records and cut sheets. Following each building cutover, the Contractor shall provide the County with an updated database and cable records in an electronic format (such as Microsoft Excel) and one complete set of updated floor plans. There shall be no exceptions to this.

- E. Equipment Installation – The Contractor is required to install, configure, and test all materials and equipment provided under this RFP.
- F. System Programming – The Contractor shall provide all system programming and database entry, including but not limited to stations and station features, voice mail boxes, auto attendant trunks, least cost routing, networking, and integrated connections to the voice mail system, system management, call accounting, and data network to provide a fully operational turnkey telephone, voice messaging system, system management, and call accounting system.
- G. Data Network Configuration – The Contractor shall be responsible for providing all QoS, VLAN, and IP addressing configuration requirements to support all VoIP applications to the County.
- H. Cross Connects- The Contractor will provide and install all cross connects required to support the analog devices and trunk connections.
- I. Patch Cord Connections- The Contractor shall be responsible for providing the County with a list of all patch cord and data jack location connections required to fully install all systems provided.
- J. Telephone Labeling - The Contractor is responsible for labeling all phones, and providing templates and tools to neatly and cleanly re-label phones as the need arises.
- K. Telephone Test Plan - The Contractor will provide the County with a test plan that they will utilize when placing telephones to verify that the telephone number and features are assigned correctly and are fully functional.
- L. Interconnection and Coordination with Local Telephone Utility – The local exchange carrier and/or alternate carrier shall provide trunks and PRIs. The Contractor shall provide complete coordination between switch and local telephone utility regarding T-1 trunks and leased lines. The Contractor must also coordinate with the IT staff for connection to the County network.
- M. When installation is complete, the Contractor shall furnish the County with all of the project documentation, all of which should be provided in MS Office format.
- N. The Contractor shall provide documentation as follows:
  1. Logical diagrams for the voice and data products provided, installed, and connected to the network
  2. Static IP numbers assigned to all telephony equipment, noted both on diagrams and on a separate table/spreadsheet
  3. Standard templates for all telephones provided
  4. Numbering plan design for each location



5. Least cost call routing schemes
6. Class of restriction tables
7. Class of service tables
8. Route and trunk configuration tables
9. IP networking Quality of Service configurations
10. Contact center call flow diagram
11. Dial Number Identification Service (DNIS) assignment
12. Call recording configuration and telephone assignments
13. Diagram of all auto attendants/self-service trees/menu

### services 7.13 Training Requirements

- A. Telephone & Voice Mail End User – The Contractor shall conduct on-site, hands-on user training sessions for all users. Sessions shall last approximately one (1) hour each.
  
- B. System Management – The Contractor shall provide training for two or more system administrators on the use of the system management tools and modules provided, including the following:
  1. Familiarization with features of all components
  2. Add, move, or change telephones and voice mail boxes
  3. Add or change user templates
  4. Add or change class of service and trunk group restriction
  5. Add or change auto attendants
  6. Configuration details of selected applications, and how to configure new users or groups
  7. Run traffic reports
  8. Find unused numbers
  9. Utilization of IP troubleshooting tools
  10. Overview of system documentation and use of all system manuals
  11. Report call accounting generation features
  12. Overview of system documentation and use of all system manuals
  
- C. Instruction Manual – Each user is to be provided with an instruction manual with feature codes for their specific instrument defined. Or links to said documentation.
  
- D. Refresher Training – The Contractor shall offer refresher training classes at a designated County facility three weeks after the cutover. This training should include live telephones for an eight (8) hour day.
  
- E. Training Media – Training media from the manufacturer is required to be left on site or be accessible through the Internet. The County also has the right to record training classes given by the Contractor.
  
- F. Training Manual – A minimum of one (1) complete training manual shall be provided by the date of acceptance, detailing all information necessary for full use of the system proposed. Station user manuals

are to be provided for all users. Payment may be withheld until a complete and accurate training manual has been provided.

- G. Technical Manual – As a part of the equipment to be delivered, the Contractor shall furnish with the equipment one (1) complete technical service manual describing the telephone equipment and any related items, as well as media in CD and/or online format.

#### 7.14 Post-Cutover Requirements

- A. Cutover – On the day of each cutover and the following five (5) business days, the Contractor is required to provide a project team on site to resolve technical issues, provide follow-up training, and staff a helpline for users to call and report problems.
- B. The Contractor is required to complete the following items within the first 30 days following the cutover of each system:
  1. Completion of any outstanding adds, moves, or changes
  2. Internal system traffic study
  3. Refresher training classes
  4. Station software changes

### 8 OPTIONAL TELEPHONE EQUIPMENT, SERVICE and FEATURES

8.01 Features in this section are located in the Functional Requirements **Exhibit A** spreadsheet in the RFP. If they have a cost associated with them, it must be provided in the Functional Requirements page in the cost column along with any notes/information needed. It will be at the discretion of the County to include these features as part of the implementation of the system based on cost and need.

#### 8.02 Optional Automatic Call Distribution Application (ACD)

- A. All applications provided in support of the ACD under this RFP shall be available to all the County offices.
- B. The ACD and reporting application shall support the following:
  1. ACD GROUP – Multiple telephones or agents assigned to the same incoming number. The ACD feature of the switch distributes incoming calls evenly to all telephones or agents in the group based on customer-defined parameters such as longest idle, priority, agent status, and occupancy.
  2. ACD TEAMS – The ability to sub-define an ACD group into different teams of agents. Teams can also be used to define subgroups of agents across ACD groups.
  3. AGENT – The number of agents that can be simultaneously logged on to the system. Agents are assigned an identification code that they use to log on to a telephone instrument. The Agent ID brings the agent's individual agent characteristics (skill set assignments, priority levels) to that instrument.
  4. ACTIVITY CODES – The ability of the system to accumulate and report information regarding the types of

calls handled by agents through use of event recorders or “stroke counts” at the agent set, typically provided via a feature button on the agent set. The system must support use of multiple activity codes per call, with agents allowed to enter these codes at any time during or after the call and with each registration silent to the caller.

5. **AUTOMATIC AGENT BUSYOUT** – The ability of the system to recognize when a caller is presented to the next available agent and the agent does not answer the call. When such an event occurs, the system automatically removes the agent from the queue, flags the event for reporting, and returns the call to the front of the queue for delivery to the next available agent.
6. **AUTOMATIC REPORTING** – The ability to program the system to generate historical reports automatically at preset intervals.
7. **CALLS WAITING DISPLAY** – Display the number of calls waiting in queue.
8. **DNIS ROUTING** – The ability to route incoming calls to specific ACD groups or routing tables based upon the DNIS or DID number of the call.
9. **DNIS NAME DISPLAY** – Allows a name to be associated with the dial number terminating on an agent’s telephone.
10. **RECORDED ANNOUNCEMENT** – Each ACD group shall have the ability to play a minimum of three separate announcements to a caller placed into queue. The first would be provided to a caller upon entering the queue when the ACD group is open. The second would be provided/repeated once a caller has held beyond a predefined threshold. The third would be played when the ACD group is closed.
11. **MUSIC ON HOLD** – The ability to provide a caller in queue a music or information source in between announcements.
12. **MULTI-GROUP QUEUING** – The ability of the system to queue a particular call to up to three groups or skill sets at the same time.
13. **SUPERVISOR TERMINAL** – Browser-based supervisor terminal highlights various information in different colors to draw attention to conditions exceeding customer-established limits.
14. **CUSTOMIZED REPORTING** – The ability of the system to provide reports that can be customized by supervisors in both format and the calculation of data.
15. **HISTORICAL REPORTING** – The ability of the system to accumulate data regarding system performance and generate appropriate reports detailing system operation over a specified period. Reporting periods that can be specified must be interval, hourly, daily, weekly, and monthly at the very least. Reports must be capable of being directed to external printers or the supervisor’s terminal screen at the supervisor’s discretion, as well as being stored in a file format suitable for export to an external computing

platform for additional processing. Attach documentation to your proposal detailing the reports and the information included in each report that has been included in the cost of the proposed system.

16. ON-DEMAND REPORTING – The ability to request historical reports at any time (for example, shift totals), with the entire reporting format options made available to the supervisor requesting such reports.
17. SUPERVISOR ACCESS – Supervisors can view the current status of their assigned agents and groups, the number of calls waiting for each group, the duration of the longest call waiting for each group, the average speed of answer for each group, the status of each agent, and the length of time that each agent has been in that state. Screen refresh time (the time it takes the system to update the real-time information of the screen) must not be any longer than two seconds.
18. SUPERVISOR ACCESS RESTRICTIONS – The system shall support multiple levels of system administrative and supervisor access to be defined from fully restricted view only to fully unrestricted system access.

#### C. ACD Implementation

1. ACD Design Reviews – The Contractor’s personnel shall hold separate meetings with the Administrator’s office to determine specific routing, reporting, agent, and supervisor needs of the department as required to fully design and implement a turnkey solution for each group.
2. Equipment Installation – The Contractor shall install, configure, and test all materials and equipment provided under this RFP.
3. System Programming – The Contractor shall provide all system programming and database entry, including but not limited to agents, supervisors, call routing, scripts, custom reports, call recording logs, and system backups to provide a fully operational turnkey Contact Center solution.

#### D. Training

1. ACD Supervisor/Agent Telephone User – The Contractor shall provide separate training sessions for all ACD telephone users, limited to twelve (12) people maximum in any one session. Sessions shall last approximately one and one half (1.5) hours each.
2. Supervisor Applications – The Contractor shall provide two (2) hours supervisor/management overview training for the following:
  - i. Supervisor display, monitoring, and messaging capabilities
  - ii. Generating reports
  - iii. Setting agent priorities and group assignments
3. System Management – The Contractor shall provide two (2) hours in- depth training for at least two (2) system administrators on the use of the system management tools and modules provided, including the following:

- i. Generating reports
    - ii. Setting up and assigning ACD groups
    - iii. Setting agent priorities and ACD groups
  - 4. Documentation – Provide overview of system documentation and use of all system manuals.
- E. Documentation
- 1. The Contractor shall provide manuals (full documentation) for all components and an explanation of where and how to obtain support.
  - 2. Instruction Manuals
    - i. The Agent Manual shall be customized and provide instructions for all applications to which agents have access.
    - ii. The Supervisor Manual shall be customized and provide instructions for all applications to which supervisors have access.
  - 3. Technical Manual – As a part of the equipment to be delivered, the Contractor shall furnish with the equipment one (1) complete technical service manual describing all components implemented in support of the County’s Contact Center Applications, as well as media in CD and online form.

### 8.03 Applications

- A. Unified Communication
- 1. PC Desktop
    - i. Directory/Contacts Dialing – Provide a drop-down box for name entry and dialing from internal directory or MS Outlook contacts.
    - ii. Call Control – Provide call control, including dialing, disconnect, transfer, and conference.
    - iii. Key Label – Allow user to change the label associated with feature or line appearance key.
    - iv. Speed Call List – Allow user to program numbers into a personal speed call list.
    - v. Call History – Allow user to view and redial a minimum of the last 100 calls placed or received at their telephone extension. The history must include the following:
      - ◆ Date
      - ◆ Start and end time
      - ◆ Telephone number
      - ◆ Name from system directory and Outlook contacts database
- B. Personal Voice Mail Administration – Allow user to change their call coverage destination, outcall notification, and single number

reach settings.

- C. Status Change – Allow user to select a status that approximates their current state from a group of predefined definitions.
- D. Presence – The ability to dynamically display a person’s or group of peoples’ availability or status for various communication systems, including desktop and mobile telephone, IM, PC activity, and Outlook calendar information.
- E. Work Groups/Buddy List – Each user must be allowed to define work groups or a buddy list and assign other users as required, provided their restriction class allows.
- F. Restriction Class – Provide a means to restrict which users an individual can view in their buddy list or workgroup.
- G. Collaboration – Provide the means to allow real time file sharing and white boarding.
- H. Docking – Allow user to dock the application on the top, side, or bottom of monitor or minimize to system tray if desired.
- I. Speech Activated Auto Attendant
  - 1. System Management – The system shall be integrated with the telephone/voice mail and shall allow new user information to be updated from the telephone system management terminal.
  - 2. Auto Attendant – Provide multiple auto attendants or trees with the ability to do the following:
    - i. Play different multi-level greetings depending on the time of day, day of week, or day of year.
    - ii. Provide a County directory that allows users to reach their desired party by speaking a name or department.
    - iii. Provide separate auto attendant or trees for departmental use as required. Can be configured/revised by user-department staff.
    - iv. Allow single-digit option extension.
    - v. Provide zero-out option to predefined extension number or secondary tree.
  - 3. Optional Voice Mail Applications
    - i. Single Number Reach – Allows callers to reach a user at an alternate number based on rules the user defines, such as time of day, day of week, and calling line ID.
  - 4. Optional Integrated Messaging Requirements
    - i. The County would prefer to maintain separate servers for e-mail and voice mail, but they shall consider other options.
    - ii. Mdaemon 16.1 Email System
    - iii. MS Office 2010 and future ability for Office365 Outlook Clients
    - iv. The system shall provide a unique identifier for voice, fax,

and e-mail messages in the subscriber's e-mail inbox.

- v. Playback Options
    - ◆ Shall have the ability to play back voice mail messages through a multimedia PC.
    - ◆ Shall have the ability to control playback of voice mail messages on the PC while listening to them on a telephone.
  - vi. Provide user with the ability to determine the total number of new voice and e-mail messages upon login to voice mail mailbox.
  - vii. Allow user to reply to an internal e-mail or voice mail message with voice or e-mail response.
  - viii. Allow user to save a voice message as a .WAV file so that it can be attached to an e-mail and sent to any e-mail address.
  - ix. The system shall support browser access.
- J. Applications Implementation – For any optional items/systems accepted by the County and made part of the contract, the delivery, installation, and configuration shall be included in the project schedule.
- K. Personnel – The Contractor shall provide personnel who specialize in deployment of the selected option and are fully certified on the applications provided.
- L. Standards – As these specifications are put together with no specific equipment or Respondent in mind, the Contractor shall include in the installation cost two (2) hours to provide informational presentations for each option selected to the project team.
- M. Design Reviews – The Contractor's personnel shall include any option selected in the departmental design meetings.
- N. Equipment Installation – The Contractor is required to install, configure, and test all applications, materials, and equipment provided under this RFP.
- O. System Programming – The Contractor shall provide all system programming and database entry for any option selected by the County.
- P. Clients – Client software shall be centrally administered and support remote installation or allow the service to be pushed to an end user's PC. The Contractor shall install the first 5 clients for each option selected that requires a client to be loaded on the end user's personal computer or mobile device.
- Q. Database – Contractor shall provide all database entry needed to ensure the applications provided function according to the County, manufacturer, and industry standards.

#### 8.05 Music on Hold Source

- A. Provide music on hold device equipped to support connection to proposed telephone system.

- B. Solution must offer a wide variety of licensed royalty free music for the County to select from.
- C. Allow County insert County or professionally recorded announcements and have them played intermittently with the music.

## **9 DATA NETWORK REQUIREMENTS**

- 9.1 The Contractor shall have as a part of its implementation team a network engineers completely capable of analyzing and implementing proper Quality of Service configurations necessary to support VOIP utilizing current and new customer provided Cisco network devices. This person shall be available throughout the implementation phase of the project to assist the project team with the VoIP assessment engineering and configuration recommendations for implementing IP telephony across the County's existing LAN.
- 9.2 The Contractor must provide a complete VoIP network assessment and make recommendations on any configuration changes needed to support the proposed system, including the following:
  - A. Traffic Emulation – The Contractor must deploy software at each County location to be serviced by the VoIP telephone system that generates VoIP traffic. The test must be run for a minimum of 48 hours during the normal business week.
  - B. LAN – Emulate 30% of a building's telephone users traversing the building LAN.
- 9.3 The Contractor shall provide a report that identifies any errors, including any latency and jitter issues, and shall provide recommended resolutions.
- 9.4 The Contractor shall provide detailed LAN configuration specification and best practices required to support all installed VoIP components.
- 9.5 Implementation
  - A. The Contractor is responsible for working with the County to understand its IP addressing scheme and for implementing this scheme to support all applications provided under the RFP.
  - B. The Contractor is responsible for working with the County to ensure the proper VLAN and QoS configurations are implemented to support all applications provided under this RFP.
  - C. The Contractor shall be responsible for understanding the County's network device naming convention and shall implement device names on all new devices and all relocated devices.
- 9.6 When installation is complete, the Contractor shall furnish the County a soft copy in MS Office format of data network project documentation. Contractor shall provide documentation as follows:
  - A. Logical diagrams showing all installed equipment.
  - B. IP addresses assigned to all equipment shall be noted both on diagrams and on a separate table/spreadsheet.

## **10 COUNTY RESPONSIBILITIES**



- 10.1 Patch Cord Connections – The County shall provide and complete all patch cord and wiring connections required in all locations.
- 10.2 Telephone Set & Test – The County shall install and test all IP telephones, per Contractor specified test plan.

## **11 COST**

- 11.1 Provide all optional and included costs requested in *Exhibit A: Functional Requirements* of the RFP. Insert a hard copy of the completed worksheet in this section of the response and a **soft copy in MS Excel** format with the original copy of the response.

## **12 BILL OF MATERIAL AND EQUIPMENT SPECIFICATIONS**

- 12.1 Provide an itemized bill of material (BOM) including all hardware, software, and labor for all voice, voice mail, and optional applications proposed in response to this RFP.
- 12.2 Provide the quantity of network connections by location that shall be required to connect the core telephone system, remotes, and all peripheral equipment (excluding telephones) to the data network.
- 12.3 The following minimal system specifications are requested for all proposed products.
  - A. Model Number
  - B. Equipment dimensions
  - C. System weight and floor loading for each configuration presented
  - D. Special floor or cabling requirements
  - E. Detailed electrical requirements, including receptacle type, frequency, voltage, amperage, grounding, etc.
  - F. Temperature ranges
- 12.4 Recommended hardware spare kits for maintenance.

## **13 RESPONDENT ASSUMPTIONS**

- 13.1 Provide a complete list of any equipment that the County will need to provide, such as hardware, software, and servers required to support the proposed telephone system, voice mail, and all optional equipment/applications. The list shall include detailed specifications and be organized to allow the County to determine which alternate or option the equipment shall support.
- 13.2 The Contractor must provide all equipment, including but not limited to hardware, software, servers, and labor required to support and install the proposed telephone system, voice mail, and all optional equipment/applications proposed, unless it has been identified in this section.
- 13.3 Provide details of any other assumptions taken in preparing your response to the RFP.

## **14 INSTALLATION METHODOLOGY AND DRAWINGS**

### 14.1 Installation Methodology

- A. Provide a detailed description with diagrams of how the proposed system shall be phased in over a period of weeks or months. Include the following:
1. Time line for each phase beginning with contract signing
  2. Logical description of how the equipment/systems shall be rolled out to all locations
  3. Database collection
  4. Network assessment
  5. Application deployment
  6. Training
  7. Acceptance and warranty

14.2 Provide a rack diagram for all locations, including but not limited to servers, gateways, and card cages.

14.3 Provide a complete network diagram depicting all physical and logical inter- and intra-building network facilities to be utilized in the installation, including the required number of network ports.

## **15 ACCEPTANCE TESTING**

15.1 Provide the manufacturer's recommended installation and acceptance test plan for all proposed products and applications.

## **16 SOFTWARE UPGRADES AND LDAP INTERFACE**

16.1 Provide a detailed description of what is included in the proposed software upgrade maintenance, including the following:

- A. What type of upgrades are included (e.g., major or release, minor or versions, updates and patches)?
- B. What is the frequency of each upgrade?
- C. How many of each type of upgrade were required over the past year on the proposed products?
- D. How is each of the upgrades accomplished/implemented, and what impact do they have on the system availability?
- E. How are IP phones and gateways affected?
- F. What tools are used to manage the upgrades?

16.2 LDAP Integration with MS Active Directory (AD) – Provide a detailed description of the system management functions that can be accessed from AD utilizing LDAP for the proposed telephone system, voice mail system, and optional applications.

## **17 RESPONDENT AND SUBCONTRACTOR QUALIFICATIONS, SUPPORT CAPABILITIES, AND REFERENCES**

17.1 Information about the Respondent

- A. Company name
- B. Legal name (if different)
- C. Years in business
- D. Number of years selling systems similar to this Proposal
- E. Contact person
- F. Full mailing address
- G. Telephone number
- H. Fax number
- I. E-mail address
- J. Name and phone number of bonding company
- K. Number of full-time employees
- L. Number of technical/installation personnel dedicated to this project.
- M. Names and titles of personnel who would be providing the training for the equipment in this project
- N. Name of person who would be project manager for this project (attach listing of experience with similar projects)

17.2 Qualification and Requirements

- A. If more than one (1) company is involved in the installation, training, and/or support after installation, there must be a Prime Contractor. This Prime Contractor assumes responsibility for all other entities involved.

- 1. List Prime Contractor here:

- B. The response shall include a statement from all involved Respondents agreeing that the configuration shall work as specified and that all Respondents shall work under the Prime Contractor to resolve any configuration or interoperability problems during the installation process at no additional cost to the County. Write statement below.

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17.3 Experience and Existing Customers – How many similar systems has the Respondent sold/installed?

- A. In the area: \_\_\_\_\_
- B. Statewide: \_\_\_\_\_
- C. Nationwide: \_\_\_\_\_

17.4 Telephone System – All prospective Respondents must provide a minimum of three installation and three maintenance references using the reference format provided below. The references must be in the State of Minnesota, similar in scope and size to the County's project and must demonstrate the following:

- A. At minimum, one of the three references must have at least 100

telephones deployed in a multi-building environment.

- B. References must demonstrate that the Respondent has extensive knowledge of all equipment proposed and has at least one (1) year of experience with the same system(s) in the same environment.
- C. **References will be contacted – please verify information before submitting.** Use the format below for all references. All references will be called. Please inform your contacts that a 10 to 15 minute call may be anticipated.

Reference Format:

Organization Name \_\_\_\_\_

Address \_\_\_\_\_

Type of Business \_\_\_\_\_

Contact Person \_\_\_\_\_

Telephone Number \_\_\_\_\_

Fax Number \_\_\_\_\_

Dates of Installation \_\_\_\_\_

Description of System \_\_\_\_\_

Number of Lines/Ports/Jacks \_\_\_\_\_

Number of Networked Locations \_\_\_\_\_

Subcontractors/Partners

1. The applicable terms and provisions of the contract documents shall bind every subcontractor. Further information about subcontractors may be requested prior to award.
2. Identify all subcontractors or partners used for any purposes. Failure to disclose subcontractors/partners may lead to disqualification. Include separate sheet(s) labeled "Subcontractors/Partners," if necessary.

<u>Business Name</u>	<u>Years' Experience</u>	<u>Type of Work</u>	<u>Percent of Project</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

17.5 Telephones Service after Installation

- A. Provide the address of Respondent's service center(s) closest to the County:
- i. Company

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ii. Address

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iii. Telephone Number

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B. Who shall maintain parts inventory? At what location?

i. Company

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ii. Address

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iii. Telephone Number

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## **18 PROJECT AND MAINTENANCE**

Provide information about how maintenance and support will be handled after implementation.

## **19 EXCEPTIONS AND CLARIFICATIONS**

### **20 EXHIBITS – Additional Information**

20.1 - BC RFP Exhibit A- Functional Requirements Sheet

20.2 - BC RFP Exhibit B - Benton County Phone and LAN/WAN Diagram

20.3 - BC RFP Exhibit C - Benton Mitel System Full Printout

EXHIBIT A - FUNCTIONAL REQUIREMENTS WORKSHEET

Item #	Specification	System Capability	Comments and Considerations	Cost
		Y/N	Included? Additional Cost?, Inetgrated?, 3rd party add on?	\$\$
1	Presence/Chat/Collaboration Software			
2	Softphones			
3	Video Calling			
4	Fax			
5	Phone/Building-wide Paging			
6	Single Number Reach			
7	Voicemail to email via audio file or speech to text			
8	Web access to voicemail to save audio files			
9	Call recording - Option to individually record phone calls			
10	Caller ID - Incoming and Outgoing globally and per line			
11	Microsoft Active Directory Integration for directory and users			
12	Minimum 2 line appearances per phone			
13	Conference Bridge hosting			
14	Call Pickup groups			
15	Headset Functionality			
16	Calling Trees			
17	PSALI - 911 Location by Switch/building/port			
18	Directory Listing on phone (electronic)			
19	POE Gbps phones w/ integrated switch			
20	PC/Desktop Phone Control			
21	Integration with Alt+N Mdaemon SMTP email system			
22	Virtual platform support for VmWare if server based			
23	Redundancy - redundant hardware, VM servers etc			
24	Long distance code capability			
25	Ability to seamlessly connect to Century Link Viper 911 systems and Eventide Recording systems			
26	Reception desk call distribution and routing			
27	Vendor Support/Service Capabilities: Remote serviceability, technical support of the entire communication system and applications.			
28	IP-based Voice capabilities and Intelligent Network Infrastructure: Integration of voice applications with a converged Internet Protocol (IP) solution. Ability to provide highly reliable and available switching systems, a wide variety of interfaces to the PSTN and legacy TDM equipment, and choice of analog or IP phones for endpoints including users, modems, fax machines, conference rooms, etc.			
29	Reliability: Vendor's system must not have a single point of failure. Vendor must supply phone sets with inline power (with option of local outlet) for power fail dial tone availability. System must have the option for remote locations to sustain survivability in the event of a data loss or cut to main system.			
30	Vendor support for Open System Standards: The vendor should be committed to supporting open system industry standards, such as G.729, 802.1p and 802.1q, MGCP, RTP, TAPI, JTAPI, etc. IP handsets must use a standard signaling protocol (i.e. MGCP or SIP). All features must be available on analog sets. System must support and be certifiable with any switch or router from any vendor.			
31	Voice Messaging: A Scalable, cost-effective voice messaging solution that supports both telephone and desktop access; that also supports unified messaging with standard desktop and cloud-based voice mail to email solutions such as Microsoft Outlook, Microsoft Office365 and multi-system voice mail to email networking.			
32	System Administration: Single point of management from any point on the network for all components including the PBX, voicemail, auto attendant, ACD and unified messaging system. Maximum flexibility for rapid, efficient, and cost-effective configuration changes to user profiles and IP telephone equipment through a standard interface.			

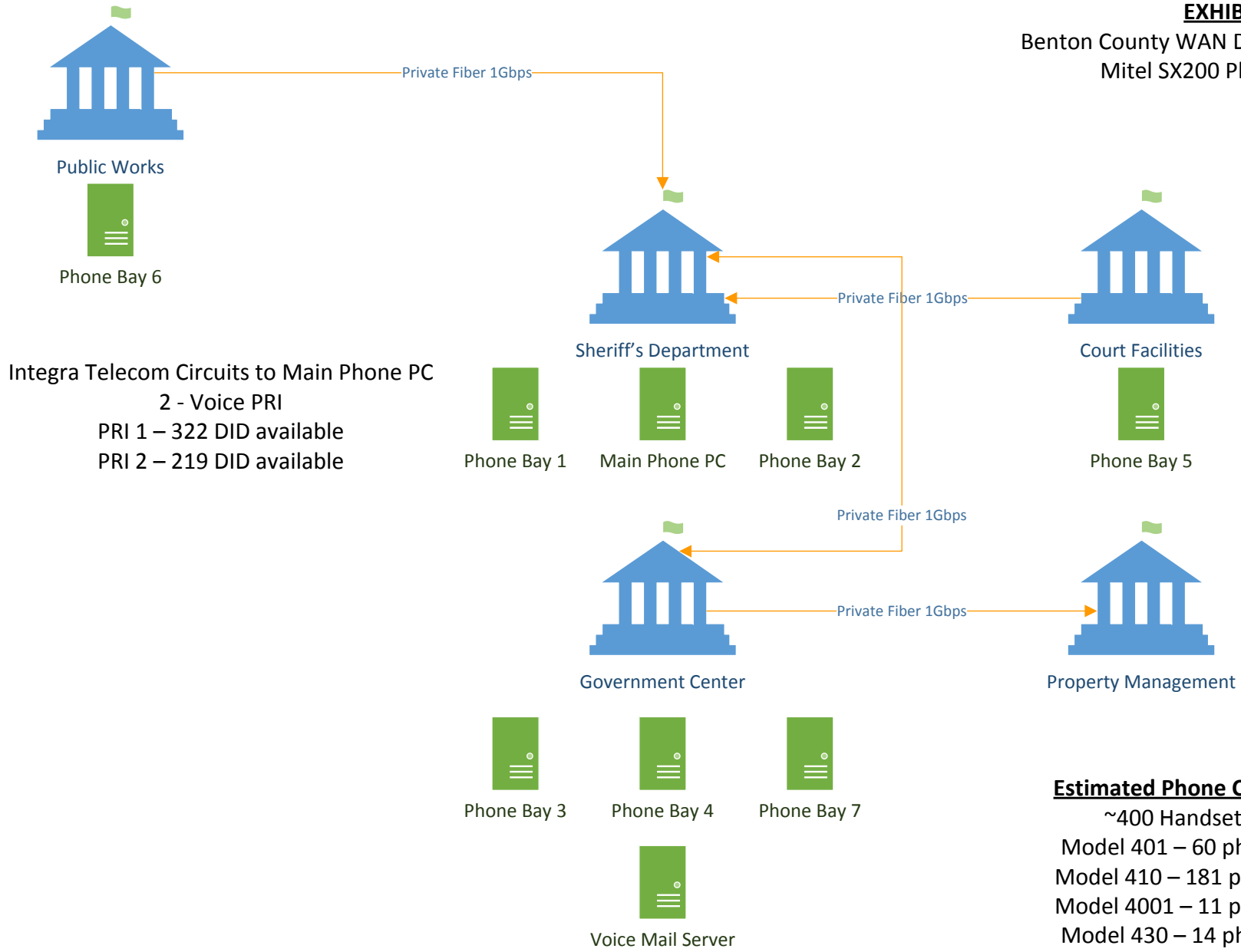
33	Scalability: Modular, cost-effective growth in both phones and applications over the next five-ten years.			
34	Simplicity of Installation: Ease of installation and configuration will be important. Vendor should provide system project management tool for implementation planning.			
35	Training and Usage: System must be easy to use and easy to learn and administer.			
36	ACCOUNT CODE CAPABILITY – An adjunct to Station Message Detail Recording, which allows a station user to enter a cost accounting or client billing code into the system after dialing a long distance number.			
37	AREA/OFFICE CODE RESTRICTION – The ability of the switching system to selectively identify six-digit area and office codes and either allow or deny passage of long distance calls to those specific six-digit codes. This type of restriction is usually provided on a trunk group basis and on an “allowed” rather than “denied” basis.			
38	AUTOMATIC CALL DISTRIBUTION SERVICE – Indicates the ability of the system to offer uniform distribution of incoming calls to station users (called agents) on a random basis or to the station that has received the fewest calls. This facility generally includes the capabilities to queue, on a first-in, first-out basis, a predetermined number of delay announcements; to identify incoming calls; to transfer to supervisory positions; to transfer to other groups of agents; and to originate non-ACD calls.			
39	AUTOMATIC RECALL – After a prescribed period of time, this feature automatically alerts the attendant of a camped-on or unanswered call completed through the attendant position. This enables the attendant to give a status report to the calling party.			
40	AUTOMATIC RINGBACK ON HELD CALL – When a station user or attendant places a given line circuit on hold and goes on-hook, the held line shall automatically revert to an incoming call condition after a prescribed period of time.			
41	CALL BACK QUEUING – Allows a station user encountering an all-trunks-busy condition to activate the Call Back Queuing (CBQ) feature and hang up. When a circuit becomes idle, the system shall recall the user, and when the person answers, the system shall automatically place the call.			
42	CALL FORWARDING ALL, BUSY OR RNA – Allows a station user to program at any time any internal station number (or the attendant), and when activated by the station user, all incoming calls to this station shall be automatically re-routed to that preprogrammed number.			
43	CALL FORWARDING EXTERNAL – The ability to forward a call to a telephone number external to the system (local or long distance).			
44	CALL PARK – Once a call is placed in the “park” condition, any station within the system may retrieve it by either dialing the appropriate access code or by pressing a special feature button on a station instrument.			
45	CALL WAITING – The ability to hear or produce a beep tone to a busy phone, alerting the user that another call is ringing in. The user then has the choice to alternate between calls, hang up on the original call and take the new call, or ignore that beep tone.			
46	CLASSES OF SERVICE – An industry term referring to the capability of assigning to each station within a system a variety of allowed or denied types of calls on both an incoming and an outgoing basis. In some systems, this further extends to “programming” specific stations for access to specialized system features. Each system has a predetermined number of such “classes” available for assignment to any station.			

47	CONFERENCE CALLS – The ability to connect, in any combination of internal and external parties as long as at least one party to the conference call is the initiating internal party.			
48	DIRECTED CALL PICK-UP – A station user is able to answer calls ringing on any other station within the system by dialing a unique answer code of that particular station to be answered.			
49	DISTINCTIVE RINGING – Provides a unique pattern of station ringing to permit the user to distinguish internal from external calls.			
50	DO NOT DISTURB – A facility that allows a station user, upon dialing a special code, to “busy-out” the station for temporary periods of time when the user does not want to be disturbed. A corresponding special code must be dialed to re-establish service to the station. While in activation, this facility does not prevent the station from initiating calls.			
51	FIXED NIGHT SERVICE – An arrangement used to route incoming central office calls, normally answered at the attendant position, to pre- selected stations within the system when the attendant is not on duty.			
52	FLEXIBLE NIGHT SERVICE – Permits the attendant to set up night connections in accordance with day-to-day requirements, with full flexibility in the assignment of incoming trunks to various stations. Such night service assignments must be established by the attendant on each occasion they are activated.			
53	HOT-LINE STATIONS –Instruments are specially programmed to dial a specific internal station number or “0” for the attendant when the station user goes off-hook.			
54	INTERCEPT TREATMENT - ATTENDANT – For calls that cannot be completed by the switching system, automatic routing takes place to the attendant.			
55	INCOMING DIGIT MANIPULAITON – Ability to add, strip, or completely change the digits of any incoming DNIS, DID, or Tie Line number in order to reroute the call to the appropriate location.			
56	GROUP CALL PICKUP – A station user may dial a special code to answer any incoming calls ringing in another designated call pickup group.			
57	LAST NUMBER REDIAL – Memory contained either within the system common equipment or within the station instrument; enables the station user to dial a special access digit and activate a speed calling treatment of the last 10 numbers that were dialed or received from/at that station instrument.			
58	LEAST COST ROUTING WITH 6-DIGIT SCREENING – The ability to screen the first six digits of the dialed number, normally the NPA and NXX, to determine the least expensive trunk group on which to route the call			
59	MESSAGE WAITING – The ability to activate a message waiting lamp on the user’s telephone from the attendant console, telephones with appropriate class of service, and voice mail systems.			
60	MULTIPLE TRUNK GROUPS – An indication that the switching system is capable of being equipped (and accessed accordingly by station dialing) for more than one group of outgoing trunk circuits.			
61	MUSIC ON HOLD ACCESS - SYSTEM – Centralized availability of customer or system provided audio source input for system-wide distribution to all “held call” conditions within the system, both for attendant and station use.			
62	911 DIAL PLAN – Users must be able to dial either 9-911 or 911 for access to emergency services. If a caller dials 911, the system should automatically insert the trunk access code (usually a 9).			



63	OUTGOING TRUNK CAMP-ON PRIORITY – Applying to any trunk group within the system, this facility allows the station user, upon encountering an All Trunks Busy condition, to dial an access code or press a feature button that puts them in queue for an available trunk. The station's queue priority may be assigned on a Class of Service basis.			
64	PC-BASED SOFT PHONES – IP telephone functionality and complete feature functionality on a PC without the use of an actual telephone instrument. (All major functions must operate under low bandwidth conditions.)			
65	PROGRAMMABLE OUTGOING NUMBER DISPLAY –Allows the outgoing calling line identification for each telephone to be changed to any 10-digit number.			
66	SPEED CALLING - STATION – Allows station users to assign abbreviated codes to certain frequently called numbers, usually associated with outgoing Central Office calls.			
67	SPEED CALLING - SYSTEM – Allows any user on the system to dial abbreviated codes to certain frequently called numbers, usually associated with outgoing Central Office calls.			
68	STATION MESSAGE DETAIL RECORDING – Provides a record of calls placed to or from a telephone station or attendant console, including starting time, call duration, all digits of the called/calling number, and the specific trunk or trunk group used.			
69	TOUCH-TONE CALLING – A station and attendant dialing arrangement whereby industry-standard Dual Tone Multi-Frequency signaling is issued at all instruments, softphone and the attendant console.			
70	TRAFFIC REPORTS – Provides the customer with detailed data on the traffic carried by the switching equipment, including peg counts, CCS (centum call statistics) measurements and overflow measurements for all trunks and trunk groups' attendant consoles, stations, features, and any time slot sensitive infrastructure of the proposed system.			
71	TRUNK ANSWER FROM ANY STATION – A night service facility activated by the attendant, whereby incoming calls normally directed to the attendant activate a common alerting system (bells, gong, etc.) on the customer's premises. These incoming calls from non-restricted stations thereby "meet" the incoming call.			
72	TRUNK-TO-TRUNK CONNECTIONS - ATTENDANT – An attendant is able to establish a connection between any two trunk circuits that terminate in the system			
73	TRUNK-TO-TRUNK CONNECTIONS - STATION – A system may provide this feature in either or both of two versions. (1) A station already in connection with either an incoming or outgoing trunk circuit is able to use the Add-on Conference circuitry to affect a conference with another trunk circuit. (2) Once a three-way conference is so established, the system shall maintain control and supervision of the two trunk circuits in connection.			
74	TRUNK VERIFICATION BY CUSTOMER (Attendant) – Applying only to Switched Loop Consoles, the attendant is able to access individual trunks by dialing an access code followed by the specific trunk number for purposes of testing to verify supervision and transmission.			
75	UNIFORM CALL DISTRIBUTION – Similar to Automatic Call Distribution Services, the facility permits incoming Central Office calls to be terminated directly from the Central Office to the idlest of a prearranged group of stations without attendant assistance or intervention.			
76	VOICE PAGING ACCESS – Allows attendants and station users to dial access customer-provided loudspeaker using internal phone speaker and/or paging equipment.			
77	TTY and ADA compliance – System will allow use of TTY and other ADA compliant devices.			

EXHIBIT B - Benton County Phone and LAN/WAN Diagram



**EXHIBIT B**  
Benton County WAN Diagram with current  
Mitel SX200 Phone System

- Estimated Phone Counts**
- ~400 Handsets
  - Model 401 - 60 phones
  - Model 410 - 181 phones
  - Model 4001 - 11 phones
  - Model 430 - 14 phones
  - Model 4025 - 123 phones
  - Model Conference - 11

SYSTEM CONFIGURATION

BAY	SLT	CCT	PROGRAMMED	INSTALLED	COMMENTS
---	---	---	-----	-----	
01	01	-	DIGITAL LINE CARD	DIGITAL LINE CARD	Sheriff Dispatch
01	02	-	DIGITAL LINE CARD	DIGITAL LINE CARD	
01	03	-	LS/GS TRUNK CARD	LS/GS TRUNK CARD	
01	04	-	ONS LINE CARD	ONS LINE CARD	
01	05	-	DIGITAL LINE CARD	DIGITAL LINE CARD	
01	06	-	T1 TRUNK CARD	T1 TRUNK CARD	
01	07	-	ONS LINE CARD	ONS LINE CARD	
01	08	-	UNIVERSAL CARD	UNIVERSAL CARD	
01	08	01	MUSIC PAGER MODULE	MUSIC PAGER MODULE	-----
01	08	02	MUSIC PAGER MODULE	MUSIC PAGER MODULE	-----
01	08	03	DTMF RECEIVER	DTMF RECEIVER	-----
01	08	04	DTMF RECEIVER	DTMF RECEIVER	-----
02	01	-	DIGITAL LINE CARD	DIGITAL LINE CARD	Sheriff Dispatch
02	02	-	DIGITAL LINE CARD	DIGITAL LINE CARD	
02	03	-	DIGITAL LINE CARD	DIGITAL LINE CARD	
02	04	-	DIGITAL LINE CARD	DIGITAL LINE CARD	
02	05	-	DIGITAL LINE CARD	DIGITAL LINE CARD	
02	06	-	T1 TRUNK CARD	T1 TRUNK CARD	T1 FOR COURTS BLDGS
02	07	-	ONS LINE CARD	ONS LINE CARD	
02	08	-	DIGITAL LINE CARD	DIGITAL LINE CARD	
03	01	-	DIGITAL LINE CARD	DIGITAL LINE CARD	Extension Building
03	02	-	DIGITAL LINE CARD	DIGITAL LINE CARD	
03	03	-	DIGITAL LINE CARD	DIGITAL LINE CARD	
03	04	-	DIGITAL LINE CARD	DIGITAL LINE CARD	
03	05	-	UNIVERSAL CARD	UNIVERSAL CARD	
03	05	01		-----	
03	05	02		-----	
03	05	03	DTMF RECEIVER	DTMF RECEIVER	-----
03	05	04		-----	
03	06	-	DIGITAL LINE CARD	DIGITAL LINE CARD	
03	07	-	DIGITAL LINE CARD	DIGITAL LINE CARD	
03	08	-	ONS LINE CARD	ONS LINE CARD	
04	01	-	DIGITAL LINE CARD	DIGITAL LINE CARD	OLD COURTS BLDG
04	02	-	DIGITAL LINE CARD	DIGITAL LINE CARD	
04	03	-	DIGITAL LINE CARD	DIGITAL LINE CARD	
04	04	-	DIGITAL LINE CARD	DIGITAL LINE CARD	
04	05	-	DIGITAL LINE CARD	DIGITAL LINE CARD	
04	06	-	DIGITAL LINE CARD	DIGITAL LINE CARD	
04	07	-			
04	08	-	DIGITAL LINE CARD	DIGITAL LINE CARD	
05	01	-	DIGITAL LINE CARD	DIGITAL LINE CARD	NEW COURTS BLDG
05	02	-	DIGITAL LINE CARD	DIGITAL LINE CARD	
05	03	-	DIGITAL LINE CARD	DIGITAL LINE CARD	

05 04 - DIGITAL LINE CARD DIGITAL LINE CARD  
 05 05 - DIGITAL LINE CARD DIGITAL LINE CARD  
 05 06 - ONS LINE CARD ONS LINE CARD  
 05 07 - ONS LINE CARD ONS LINE CARD  
 05 08 - DIGITAL LINE CARD DIGITAL LINE CARD  
 06 01 - DIGITAL LINE CARD DIGITAL LINE CARD HIGHWAY BUILDING  
 06 02 - DIGITAL LINE CARD DIGITAL LINE CARD  
 06 03 - ONS LINE CARD  
 06 04 - ONS LINE CARD ONS LINE CARD  
 06 05 -  
 06 06 -  
 06 07 -

SYSTEM CONFIGURATION

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BAY	SLT	CCT	PROGRAMMED	INSTALLED	COMMENTS
---	---	---	-----	-----	
06	08	-			
07	01	-	DIGITAL LINE CARD	DIGITAL LINE CARD	OLD COURT
07	02	-	DIGITAL LINE CARD	DIGITAL LINE CARD	
07	03	-	DIGITAL LINE CARD	DIGITAL LINE CARD	
07	04	-	DIGITAL LINE CARD	DIGITAL LINE CARD	
07	05	-	DIGITAL LINE CARD	DIGITAL LINE CARD	
07	06	-	ONS LINE CARD	ONS LINE CARD	
07	07	-	ONS LINE CARD	ONS LINE CARD	
07	08	-			

FEATURE ACCESS CODES

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FEATURE	FEATURE NAME	ACCESS CODE
-----	-----	-----
01	Account Code Access	
02	Auto-Answer Activation	*36
03	Call Forwarding - All Calls	*21
04	Call Forwarding - Internal Only	
05	Call Forwarding - External Only	
06	Call Forwarding - I'm Here	*22
07	Call Forwarding - Cancel I'm Here	*23
08	Dial Call Pickup	*24
09	Directed Call Pickup	*25
10	Do Not Disturb	*37
11	Extension General Attendant Access	0
12	Paging Access To Default Zone(s)	
13	Paging Access To Specific Zones	*44

14	TAFAS - Any	*47
15	TAFAS - Local Tenant	
16	Hold Pickup Access (Attendant Hold Slots)	
17	Console Lockout Access Code	
18	Maintenance Functions (Test Line)	
19	Direct Inward System Access	
20	Callback Busy <<single digit>>	2
21	Call Hold	*31
22	Call Hold Retrieve (Local)	*32
23	Call Hold Retrieve (Remote)	*33
24	Abbreviated Dial Access	1
25	Clear All Features	*27
26	SUPERSET 4 Telephone Loopback Test	
27	Tone Demonstration	*30
28	ADL Call Setup	
29	ADL Disconnect	
30	Last Number Redial	
31	Executive Busy Override <<single digit>>	
32	Automatic Wake-up	*28
33	Call Park	*34
34	Node ID	
35	Maid In Room	
36	SUPERSET 4 Room Status Display	
37	Direct To ARS	
38	UCD Agent Login/Logout	
39	Analogue Network Accept Callers Extension	
40	SUPERSET 4 Maid In Room Stat. Display	
41	Send Message	*35
42	Call Message Sender of Oldest Message	*39
43	Callback - No Answer	*29
44	ACD Login/Logout	
45	ACD Silent Monitoring	
46	Flash over Trunk	
47	Program Feature Key	
48	Key System - Direct Paging	*42
49	Key System - Group Page - Meet Me Answer	*43
50	Key System - Direct CO Line Select	
51	Key System - Store Personal Speed Call	
52	Key System - Retrieve Personal Speed Call	
53	Double Flash over Trunk	
54	Analog Network Accept Call Forward Data	
55	Analog Network Accept Call Forward Reason	

FEATURE ACCESS CODES

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FEATURE	FEATURE NAME	ACCESS CODE
-----	-----	-----
56	Headset Mode On/Off	
57	Call Park Orbit Retrieve	

58 IP Set Registration PIN  
 59 IP Set Replacement PIN  
 60 IP Set Language Selection  
 61 Disable Twin Phone

CLASS OF SERVICE OPTIONS

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[CO:01 TRUNKS ] OPTION          STATUS  OPTION NUM
-----
Attendant-Timed Recall (NO ANS) 0=disable 5-240 s  0    115
Attendant-Timed Recall (HOLD)   10-240 seconds 240   116
Attendant-Timed Recall (CAMPON) 0=disable 5-240 s  0    117
Attendant Call Forward No Answer Timer 10-240 s  30    118
Attendant Tone Signalling          ENABLED   119
Attendant Multi-New Call Tone      ENABLED   125
Apply Key Line Conference Warning Tone  ENABLED  126
Alarm Call                          ENABLED   202
Call Forwarding - Busy              ENABLED   206
Call Forwarding - No Answer         ENABLED   207
Call Forwarding - External          ENABLED   208
Call Forwarding - Always            ENABLED   209
Call Hold And Retrieve Access       ENABLED   211
Can Flash If Talking To An Incoming Trunk  ENABLED  212
Can Flash If Talking To An Outgoing Trunk  ENABLED  213
Directed Call Pickup               ENABLED   218
Discriminating Dial Tone           ENABLED   219
Do Not Disturb                     ENABLED   220
Clear All Features                 ENABLED   221
Call Forwarding Inhibit on Hold Timeout  ENABLED  222
Priority Dial 0                     ENABLED   239
Line Privacy                       ENABLED   240
Abbreviated Dialing Access         ENABLED   245
SMDR - Extended Record             ENABLED   246
TAFAS Any Access                   ENABLED   248
TAFAS Access During Day Service     ENABLED  250
Transfer Dial Tone                 ENABLED   251
Call Forward - Don't Answer Timer  2-6 rings  4    253
PBX Telephone - Call Hold Recall Timer 1-10 min  5    254
Repeated Camp-On Beeps Timer       5-15 seconds 10   255
UCD Music On Hold Timer            0-50 minutes  0    256
Display Prime As Forwarder         ENABLED   258
Delay Ring Timer                   2-6 rings  4    263
Flash-in Conference                 ENABLED   302
Paging Zone 1 Access               ENABLED   303
Paging Zone 2 Access               ENABLED   304
Paging Default (0-9) (0 Gives All Enabled Zones)  0    312
CO Trunk To Tie Trunk Connect      ENABLED   314
CO Trunk To DID Trunk Connect      ENABLED   315
Tie Trunk To Tie Trunk Connect     ENABLED   316

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Tie Trunk To DID Trunk Connect	ENABLED	317
DID Trunk To DID Trunk Connect	ENABLED	318
Extension Non-CO Trunk To Trunk Connect	ENABLED	319
Transparent Multi-Console Operation	ENABLED	320
Call Park	ENABLED	401
Recording Failure to Hangup Timer 1-255 seconds	30	404
ONS Positive Disconnect <0 - 5 sec> <0 = disable>	0	506
Station/Set: Allow My Number to be Displayed	ENABLED	507
SUPERSET Telephone - Auto-Answer	ENABLED	600
PBX SUPERSET Telephone - Automatic Outgoing Line	ENABLED	604
SUPERSET Tel. - Guest Rm Template (0-3)(DN)	0	610
SUPERSET Telephone - Handset Volume Saved	ENABLED	614
Alarm Audio Level for Sets	RINGER	618
SUPERSET Telephone - Max Call Logs Allowed (0-20)	0	620
ACD - Agent Template (0-3, 0=disable)	0	650

CLASS OF SERVICE OPTIONS

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[COS:01 TRUNKS ] OPTION	STATUS	OPTION NUM
-----	-----	-----
ACD - Supervisor Template (0-3, 0=disable)	0	651
ACD - Senior Supervisor Template (0-3, 0=disable)	0	652
Key Set/Sub Att - Call Hold Notify Timer 0-600 s	60	681
SMDR - Overwrite Buffer	ENABLED	702
Automatic Overflow from Attendant	ENABLED	705
Limited Wait For Dial Tone	ENABLED	802
SMDR - Drop Calls < n Digits ( 0..11, disable=0 )	0	803
Delay ONS Ring - Wait for Network Name ( 0-6 s )	0	813
DTRX Herald Text Select ( 1-4 )	1	905
DATA SMDR - Overwrite Buffer	ENABLED	908

CLASS OF SERVICE OPTIONS

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[COS:02 PHONES ] OPTION	STATUS	OPTION NUM
-----	-----	-----
Attendant-Timed Recall (NO ANS) 0=disable 5-240 s	0	115
Attendant-Timed Recall (HOLD) 10-240 seconds	240	116
Attendant-Timed Recall (CAMPON) 0=disable 5-240 s	0	117
Attendant Call Forward No Answer Timer 10-240 s	30	118
Apply Key Line Conference Warning Tone	ENABLED	126
Alarm Call	ENABLED	202
Call Forwarding - Busy	ENABLED	206
Call Forwarding - No Answer	ENABLED	207
Call Forwarding - External	ENABLED	208
Call Forwarding - Always	ENABLED	209

Call Hold And Retrieve Access	ENABLED	211
Can Flash If Talking To An Incoming Trunk	ENABLED	212
Can Flash If Talking To An Outgoing Trunk	ENABLED	213
Directed Call Pickup	ENABLED	218
Discriminating Dial Tone	ENABLED	219
Do Not Disturb	ENABLED	220
Clear All Features	ENABLED	221
Call Forwarding Inhibit on Hold Timeout	ENABLED	222
Priority Dial 0	ENABLED	239
Line Privacy	ENABLED	240
Abbreviated Dialing Access	ENABLED	245
SMDR - Extended Record	ENABLED	246
TAFAS Any Access	ENABLED	248
TAFAS Access During Day Service	ENABLED	250
Transfer Dial Tone	ENABLED	251
Call Forward - Don't Answer Timer	2-6 rings 3	253
PBX Telephone - Call Hold Recall Timer	1-10 min 5	254
Repeated Camp-On Beeps Timer	5-15 seconds 10	255
UCD Music On Hold Timer	0-50 minutes 0	256
Display Prime As Forwarder	ENABLED	258
Ignore Forward Busy with Free Appearance	ENABLED	262
Delay Ring Timer	2-6 rings 3	263
Flash-in Conference	ENABLED	302
Paging Zone 1 Access	ENABLED	303
Paging Zone 2 Access	ENABLED	304
Paging Default (0-9) (0 Gives All Enabled Zones)	0	312
CO Trunk To CO Trunk Connect	ENABLED	313
CO Trunk To Tie Trunk Connect	ENABLED	314
CO Trunk To DID Trunk Connect	ENABLED	315
Tie Trunk To Tie Trunk Connect	ENABLED	316
Tie Trunk To DID Trunk Connect	ENABLED	317
DID Trunk To DID Trunk Connect	ENABLED	318
Extension Non-CO Trunk To Trunk Connect	ENABLED	319
Call Park	ENABLED	401
Recording Failure to Hangup Timer	1-255 seconds 30	404
Override	ENABLED	500
ONS Positive Disconnect <0 - 5 sec> <0 = disable>	0	506
Station/Set: Allow My Number to be Displayed	ENABLED	507
SUPERSET Telephone - Auto-Answer	ENABLED	600
PBX SUPERSET Telephone - Automatic Outgoing Line	ENABLED	604
SUPERSET Telephone - Night Service Switching	ENABLED	609
SUPERSET Tel. - Guest Rm Template (0-3)(DN)	0	610
SUPERSET Telephone - Handset Volume Saved	ENABLED	614
Alarm Audio Level for Sets	RINGER	618
SUPERSET Telephone - Max Call Logs Allowed (0-20)	0	620

CLASS OF SERVICE OPTIONS

[COS:02 PHONES ] OPTION STATUS OPTION NUM



ACD - Agent Template (0-3, 0=disable)	0	650
ACD - Supervisor Template (0-3, 0=disable)	0	651
ACD - Senior Supervisor Template (0-3, 0=disable)	0	652
Key Set/Sub Att - Call Hold Notify Timer 0-600 s	60	681
SMDR - Overwrite Buffer	ENABLED	702
Automatic Overflow from Attendant	ENABLED	705
Limited Wait For Dial Tone	ENABLED	802
SMDR - Drop Calls < n Digits ( 0..11, disable=0 )	0	803
Delay ONS Ring - Wait for Network Name ( 0-6 s )	0	813
DTRX Herald Text Select ( 1-4 )	1	905

CLASS OF SERVICE OPTIONS

[COS:03 ] OPTION	STATUS	OPTION NUM
Attendant-Timed Recall (NO ANS) 0=disable 5-240 s	30	115
Attendant-Timed Recall (HOLD) 10-240 seconds	30	116
Attendant-Timed Recall (CAMPON) 0=disable 5-240 s	30	117
Attendant Call Forward No Answer Timer 10-240 s	30	118
Apply Key Line Conference Warning Tone	ENABLED	126
Can Flash If Talking To An Incoming Trunk	ENABLED	212
Can Flash If Talking To An Outgoing Trunk	ENABLED	213
Data Security	ENABLED	216
Override Security	ENABLED	238
Line Privacy	ENABLED	240
Call Forward - Don't Answer Timer 2-6 rings	3	253
PBX Telephone - Call Hold Recall Timer 1-10 min	1	254
Repeated Camp-On Beeps Timer 5-15 seconds	10	255
UCD Music On Hold Timer 0-50 minutes	0	256
Display Prime As Forwarder	ENABLED	258
ONS Voice Mail Port	ENABLED	261
Delay Ring Timer 2-6 rings	3	263
Paging Default (0-9) (0 Gives All Enabled Zones)	0	312
Recording Failure to Hangup Timer 1-255 seconds	30	404
Display CLASS Name	ENABLED	503
ONS Positive Disconnect <0 - 5 sec> <0 = disable>	0	506
Station/Set: Allow My Number to be Displayed	ENABLED	507
SUPERSET Tel. - Guest Rm Template (0-3)(DN)	0	610
Alarm Audio Level for Sets	RINGER	618
SUPERSET Telephone - Max Call Logs Allowed (0-20)	0	620
ACD - Agent Template (0-3, 0=disable)	0	650
ACD - Supervisor Template (0-3, 0=disable)	0	651
ACD - Senior Supervisor Template (0-3, 0=disable)	0	652
Key Set/Sub Att - Call Hold Notify Timer 0-600 s	60	681
SMDR - Drop Calls < n Digits ( 0..11, disable=0 )	0	803
Delay ONS Ring - Wait for Network Name ( 0-6 s )	0	813
DTRX Herald Text Select ( 1-4 )	1	905

CLASS OF SERVICE OPTIONS

[COS:04 SUB ATT ] OPTION	STATUS	OPTION NUM
Attendant Bell-Off	ENABLED	100
Attendant Flexible Night Service Setup	ENABLED	104
Attendant New Call Tone	ENABLED	106
Attendant Automatic Call Forward - No Answer	ENABLED	107
Attendant-Timed Recall (NO ANS) 0=disable 5-240 s	0	115
Attendant-Timed Recall (HOLD) 10-240 seconds	240	116
Attendant-Timed Recall (CAMPON) 0=disable 5-240 s	0	117
Attendant Call Forward No Answer Timer 10-240 s	15	118
Attendant Hold Position Security	ENABLED	124
Attendant Multi-New Call Tone	ENABLED	125
Apply Key Line Conference Warning Tone	ENABLED	126
Sub-Attendant Station Setup Advisory Message	ENABLED	150
Alarm Call	ENABLED	202
Call Forwarding - Busy	ENABLED	206
Call Forwarding - No Answer	ENABLED	207
Call Forwarding - External	ENABLED	208
Call Forwarding - Always	ENABLED	209
Call Hold And Retrieve Access	ENABLED	211
Can Flash If Talking To An Incoming Trunk	ENABLED	212
Can Flash If Talking To An Outgoing Trunk	ENABLED	213
Directed Call Pickup	ENABLED	218
Discriminating Dial Tone	ENABLED	219
Do Not Disturb	ENABLED	220
Clear All Features	ENABLED	221
Call Forwarding Inhibit on Hold Timeout	ENABLED	222
Priority Dial 0	ENABLED	239
Line Privacy	ENABLED	240
Abbreviated Dialing Access	ENABLED	245
SMDR - Extended Record	ENABLED	246
Transfer Dial Tone	ENABLED	251
Call Forward - Don't Answer Timer 2-6 rings	3	253
PBX Telephone - Call Hold Recall Timer 1-10 min	5	254
Repeated Camp-On Beeps Timer 5-15 seconds	10	255
UCD Music On Hold Timer 0-50 minutes	0	256
Display Prime As Forwarder	ENABLED	258
Ignore Forward Busy with Free Appearance	ENABLED	262
Delay Ring Timer 2-6 rings	3	263
Flash-in Conference	ENABLED	302
Paging Zone 1 Access	ENABLED	303
Paging Zone 2 Access	ENABLED	304
Paging Default (0-9) (0 Gives All Enabled Zones)	0	312
CO Trunk To CO Trunk Connect	ENABLED	313
CO Trunk To DID Trunk Connect	ENABLED	315
DID Trunk To DID Trunk Connect	ENABLED	318
Extension Non-CO Trunk To Trunk Connect	ENABLED	319
Call Park	ENABLED	401
Recording Failure to Hangup Timer 1-255 seconds	30	404

Override	ENABLED	500
ONS Positive Disconnect <0 - 5 sec> <0 = disable>	0	506
Station/Set: Allow My Number to be Displayed	ENABLED	507
SUPERSET Telephone - Auto-Answer	ENABLED	600
PBX SUPERSET Telephone - Automatic Outgoing Line	ENABLED	604
SUPERSET Telephone - Enhanced Answering Position	ENABLED	606
SUPERSET Telephone - Night Service Switching	ENABLED	609
SUPERSET Tel. - Guest Rm Template (0-3)(DN)	0	610

CLASS OF SERVICE OPTIONS

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[COS:04 SUB ATT ] OPTION	STATUS	OPTION NUM
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SUPERSET Telephone - Handset Volume Saved	ENABLED	614
Alarm Audio Level for Sets	RINGER	618
SUPERSET Telephone - Max Call Logs Allowed (0-20)	0	620
ACD - Agent Template (0-3, 0=disable)	0	650
ACD - Supervisor Template (0-3, 0=disable)	0	651
ACD - Senior Supervisor Template (0-3, 0=disable)	0	652
Key Set/Sub Att - Call Hold Notify Timer 0-600 s	240	681
SMDR - Overwrite Buffer	ENABLED	702
Automatic Overflow from Attendant	ENABLED	705
Limited Wait For Dial Tone	ENABLED	802
SMDR - Drop Calls < n Digits ( 0..11, disable=0 )	0	803
Delay ONS Ring - Wait for Network Name ( 0-6 s )	0	813
DTRX Herald Text Select ( 1-4 )	1	905

CLASS OF SERVICE OPTIONS

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[COS:05 VISITOR ] OPTION	STATUS	OPTION NUM
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Attendant-Timed Recall (NO ANS) 0=disable 5-240 s	30	115
Attendant-Timed Recall (HOLD) 10-240 seconds	30	116
Attendant-Timed Recall (CAMPON) 0=disable 5-240 s	30	117
Attendant Call Forward No Answer Timer 10-240 s	30	118
Apply Key Line Conference Warning Tone	ENABLED	126
Alarm Call	ENABLED	202
Call Forwarding - Busy	ENABLED	206
Call Forwarding - No Answer	ENABLED	207
Call Forwarding - External	ENABLED	208
Call Forwarding - Always	ENABLED	209
Call Hold And Retrieve Access	ENABLED	211
Can Flash If Talking To An Incoming Trunk	ENABLED	212
Can Flash If Talking To An Outgoing Trunk	ENABLED	213
Cannot Dial A Trunk After Flashing	ENABLED	214

Cannot Dial A Trunk If Holding Or Conf With One	ENABLED	215
Directed Call Pickup	ENABLED	218
Discriminating Dial Tone	ENABLED	219
Clear All Features	ENABLED	221
Call Forwarding Inhibit on Hold Timeout	ENABLED	222
Manual Line ( Dial 0 Hotline )	ENABLED	228
Priority Dial 0	ENABLED	239
Line Privacy	ENABLED	240
Abbreviated Dialing Access	ENABLED	245
SMDR - Extended Record	ENABLED	246
Transfer Dial Tone	ENABLED	251
Call Forward - Don't Answer Timer	2-6 rings 4	253
PBX Telephone - Call Hold Recall Timer	1-10 min 5	254
Repeated Camp-On Beeps Timer	5-15 seconds 10	255
UCD Music On Hold Timer	0-50 minutes 0	256
Display Prime As Forwarder	ENABLED	258
Delay Ring Timer	2-6 rings 4	263
Flash-in Conference	ENABLED	302
Paging Default (0-9) (0 Gives All Enabled Zones)	0	312
CO Trunk To DID Trunk Connect	ENABLED	315
DID Trunk To DID Trunk Connect	ENABLED	318
Call Park	ENABLED	401
Recording Failure to Hangup Timer	1-255 seconds 30	404
ONS Positive Disconnect <0 - 5 sec> <0 = disable>	0	506
Station/Set: Allow My Number to be Displayed	ENABLED	507
SUPERSET Telephone - Auto-Answer	ENABLED	600
PBX SUPERSET Telephone - Automatic Outgoing Line	ENABLED	604
SUPERSET Tel. - Guest Rm Template (0-3)(DN)	0	610
SUPERSET Telephone - Handset Volume Saved	ENABLED	614
Alarm Audio Level for Sets	RINGER	618
SUPERSET Telephone - Max Call Logs Allowed (0-20)	0	620
ACD - Agent Template (0-3, 0=disable)	0	650
ACD - Supervisor Template (0-3, 0=disable)	0	651
ACD - Senior Supervisor Template (0-3, 0=disable)	0	652
Key Set/Sub Att - Call Hold Notify Timer	0-600 s 60	681
SMDR - Overwrite Buffer	ENABLED	702
Automatic Overflow from Attendant	ENABLED	705
Limited Wait For Dial Tone	ENABLED	802
SMDR - Drop Calls < n Digits ( 0..11, disable=0 )	0	803
Delay ONS Ring - Wait for Network Name ( 0-6 s )	0	813
DTRX Herald Text Select ( 1-4 )	1	905

CLASS OF SERVICE OPTIONS

[COS:06 ] OPTION	STATUS	OPTION NUM
Attendant-Timed Recall (NO ANS) 0=disable 5-240 s	30	115
Attendant-Timed Recall (HOLD) 10-240 seconds	30	116
Attendant-Timed Recall (CAMPON) 0=disable 5-240 s	30	117

Attendant Call Forward No Answer Timer	10-240 s	30	118
Apply Key Line Conference Warning Tone	ENABLED		126
Alarm Call	ENABLED	202	
Call Forwarding - Busy	ENABLED	206	
Call Forwarding - No Answer	ENABLED	207	
Call Forwarding - External	ENABLED	208	
Call Forwarding - Always	ENABLED	209	
Call Hold And Retrieve Access	ENABLED	211	
Can Flash If Talking To An Incoming Trunk	ENABLED	212	
Can Flash If Talking To An Outgoing Trunk	ENABLED	213	
Directed Call Pickup	ENABLED	218	
Discriminating Dial Tone	ENABLED	219	
Do Not Disturb	ENABLED	220	
Clear All Features	ENABLED	221	
Call Forwarding Inhibit on Hold Timeout	ENABLED	222	
Priority Dial 0	ENABLED	239	
Line Privacy	ENABLED	240	
Abbreviated Dialing Access	ENABLED	245	
SMDR - Extended Record	ENABLED	246	
Transfer Dial Tone	ENABLED	251	
Call Forward - Don't Answer Timer	2-6 rings	2	253
PBX Telephone - Call Hold Recall Timer	1-10 min	5	254
Repeated Camp-On Beeps Timer	5-15 seconds	10	255
UCD Music On Hold Timer	0-50 minutes	0	256
Display Prime As Forwarder	ENABLED	258	
Delay Ring Timer	2-6 rings	2	263
Flash-in Conference	ENABLED	302	
Paging Default (0-9) (0 Gives All Enabled Zones)	0	312	
CO Trunk To CO Trunk Connect	ENABLED	313	
CO Trunk To DID Trunk Connect	ENABLED	315	
DID Trunk To DID Trunk Connect	ENABLED	318	
Extension Non-CO Trunk To Trunk Connect	ENABLED	319	
Call Park	ENABLED	401	
Recording Failure to Hangup Timer	1-255 seconds	30	404
ONS Positive Disconnect <0 - 5 sec> <0 = disable>	0	506	
Station/Set: Allow My Number to be Displayed	ENABLED	507	
SUPERSET Telephone - Auto-Answer	ENABLED	600	
PBX SUPERSET Telephone - Automatic Outgoing Line	ENABLED	604	
SUPERSET Tel. - Guest Rm Template (0-3)(DN)	0	610	
SUPERSET Telephone - Handset Volume Saved	ENABLED	614	
Alarm Audio Level for Sets	RINGER	618	
SUPERSET Telephone - Max Call Logs Allowed (0-20)	0	620	
ACD - Agent Template (0-3, 0=disable)	0	650	
ACD - Supervisor Template (0-3, 0=disable)	0	651	
ACD - Senior Supervisor Template (0-3, 0=disable)	0	652	
Key Set/Sub Att - Call Hold Notify Timer	0-600 s	60	681
SMDR - Overwrite Buffer	ENABLED	702	
Limited Wait For Dial Tone	ENABLED	802	
SMDR - Drop Calls < n Digits ( 0..11, disable=0 )	0	803	
Delay ONS Ring - Wait for Network Name ( 0-6 s )	0	813	
DTRX Herald Text Select ( 1-4 )	1	905	

CLASS OF SERVICE OPTIONS

[COS:07 USED ] OPTION	STATUS	OPTION NUM
Attendant-Timed Recall (NO ANS) 0=disable 5-240 s	30	115
Attendant-Timed Recall (HOLD) 10-240 seconds	30	116
Attendant-Timed Recall (CAMPON) 0=disable 5-240 s	30	117
Attendant Call Forward No Answer Timer 10-240 s	30	118
Apply Key Line Conference Warning Tone	ENABLED	126
Alarm Call	ENABLED	202
Call Forwarding - Busy	ENABLED	206
Call Forwarding - No Answer	ENABLED	207
Call Forwarding - External	ENABLED	208
Call Forwarding - Always	ENABLED	209
Call Hold And Retrieve Access	ENABLED	211
Can Flash If Talking To An Incoming Trunk	ENABLED	212
Can Flash If Talking To An Outgoing Trunk	ENABLED	213
Directed Call Pickup	ENABLED	218
Discriminating Dial Tone	ENABLED	219
Do Not Disturb	ENABLED	220
Clear All Features	ENABLED	221
Call Forwarding Inhibit on Hold Timeout	ENABLED	222
Priority Dial 0	ENABLED	239
Line Privacy	ENABLED	240
Abbreviated Dialing Access	ENABLED	245
SMDR - Extended Record	ENABLED	246
Transfer Dial Tone	ENABLED	251
Call Forward - Don't Answer Timer 2-6 rings	6	253
PBX Telephone - Call Hold Recall Timer 1-10 min	5	254
Repeated Camp-On Beeps Timer 5-15 seconds	10	255
UCD Music On Hold Timer 0-50 minutes	0	256
Display Prime As Forwarder	ENABLED	258
Ignore Forward Busy with Free Appearance	ENABLED	262
Delay Ring Timer 2-6 rings	3	263
Flash-in Conference	ENABLED	302
Paging Default (0-9) (0 Gives All Enabled Zones)	0	312
CO Trunk To CO Trunk Connect	ENABLED	313
CO Trunk To DID Trunk Connect	ENABLED	315
DID Trunk To DID Trunk Connect	ENABLED	318
Extension Non-CO Trunk To Trunk Connect	ENABLED	319
Call Park	ENABLED	401
Recording Failure to Hangup Timer 1-255 seconds	30	404
ONS Positive Disconnect <0 - 5 sec> <0 = disable>	0	506
Station/Set: Allow My Number to be Displayed	ENABLED	507
SUPERSET Telephone - Auto-Answer	ENABLED	600
PBX SUPERSET Telephone - Automatic Outgoing Line	ENABLED	604
SUPERSET Telephone - Night Service Switching	ENABLED	609
SUPERSET Tel. - Guest Rm Template (0-3)(DN)	0	610
SUPERSET Telephone - Handset Volume Saved	ENABLED	614
Alarm Audio Level for Sets	RINGER	618
SUPERSET Telephone - Max Call Logs Allowed (0-20)	0	620
ACD - Agent Template (0-3, 0=disable)	0	650

ACD - Supervisor Template (0-3, 0=disable)	0	651
ACD - Senior Supervisor Template (0-3, 0=disable)	0	652
Key Set/Sub Att - Call Hold Notify Timer 0-600 s	60	681
SMDR - Overwrite Buffer	ENABLED	702
Automatic Overflow from Attendant	ENABLED	705
Limited Wait For Dial Tone	ENABLED	802
SMDR - Drop Calls < n Digits ( 0..11, disable=0 )	0	803

CLASS OF SERVICE OPTIONS

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[COS:07 USED ] OPTION	STATUS	OPTION NUM
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Delay ONS Ring - Wait for Network Name ( 0-6 s )	0	813
DTRX Herald Text Select ( 1-4 )	1	905

CLASS OF SERVICE OPTIONS

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[COS:08 ] OPTION	STATUS	OPTION NUM
-----	-----	-----
Attendant-Timed Recall (NO ANS) 0=disable 5-240 s	30	115
Attendant-Timed Recall (HOLD) 10-240 seconds	30	116
Attendant-Timed Recall (CAMPON) 0=disable 5-240 s	30	117
Attendant Call Forward No Answer Timer 10-240 s	30	118
Apply Key Line Conference Warning Tone	ENABLED	126
Line Privacy	ENABLED	240
Call Forward - Don't Answer Timer 2-6 rings	3	253
PBX Telephone - Call Hold Recall Timer 1-10 min	1	254
Repeated Camp-On Beeps Timer 5-15 seconds	10	255
UCD Music On Hold Timer 0-50 minutes	0	256
Display Prime As Forwarder	ENABLED	258
Delay Ring Timer 2-6 rings	3	263
Paging Default (0-9) (0 Gives All Enabled Zones)	0	312
Recording Failure to Hangup Timer 1-255 seconds	30	404
Display CLASS Name	ENABLED	503
ONS Positive Disconnect <0 - 5 sec> <0 = disable>	0	506
Station/Set: Allow My Number to be Displayed	ENABLED	507
SUPERSET Tel. - Guest Rm Template (0-3)(DN)	0	610
Alarm Audio Level for Sets	RINGER	618
SUPERSET Telephone - Max Call Logs Allowed (0-20)	0	620
ACD - Agent Template (0-3, 0=disable)	0	650
ACD - Supervisor Template (0-3, 0=disable)	0	651
ACD - Senior Supervisor Template (0-3, 0=disable)	0	652
Key Set/Sub Att - Call Hold Notify Timer 0-600 s	60	681
SMDR - Drop Calls < n Digits ( 0..11, disable=0 )	0	803
Delay ONS Ring - Wait for Network Name ( 0-6 s )	0	813

CLASS OF SERVICE OPTIONS

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[ COS:09 ] OPTION          STATUS  OPTION NUM
-----
Attendant-Timed Recall (NO ANS) 0=disable 5-240 s  30    115
Attendant-Timed Recall (HOLD) 10-240 seconds  30    116
Attendant-Timed Recall (CAMPON) 0=disable 5-240 s  30    117
Attendant Call Forward No Answer Timer 10-240 s  30    118
Apply Key Line Conference Warning Tone          ENABLED  126
Line Privacy          ENABLED  240
Call Forward - Don't Answer Timer 2-6 rings  3    253
PBX Telephone - Call Hold Recall Timer 1-10 min  1    254
Repeated Camp-On Beeps Timer 5-15 seconds  10   255
UCD Music On Hold Timer 0-50 minutes  0    256
Display Prime As Forwarder          ENABLED  258
Delay Ring Timer 2-6 rings  3    263
Paging Default (0-9) (0 Gives All Enabled Zones)  0    312
Recording Failure to Hangup Timer 1-255 seconds  30   404
Display CLASS Name          ENABLED  503
ONS Positive Disconnect <0 - 5 sec> <0 = disable>  0    506
Station/Set: Allow My Number to be Displayed  ENABLED  507
SUPERSET Tel. - Guest Rm Template (0-3)(DN)  0    610
Alarm Audio Level for Sets          RINGER  618
SUPERSET Telephone - Max Call Logs Allowed (0-20)  0    620
ACD - Agent Template (0-3, 0=disable)  0    650
ACD - Supervisor Template (0-3, 0=disable)  0    651
ACD - Senior Supervisor Template (0-3, 0=disable)  0    652
Key Set/Sub Att - Call Hold Notify Timer 0-600 s  60   681
SMDR - Drop Calls < n Digits ( 0..11, disable=0 )  0    803
Delay ONS Ring - Wait for Network Name ( 0-6 s )  0    813
DTRX Herald Text Select ( 1-4 ) 1    905
    
```

CLASS OF SERVICE OPTIONS

```

[ COS:10 ] OPTION          STATUS  OPTION NUM
-----
Attendant-Timed Recall (NO ANS) 0=disable 5-240 s  30    115
Attendant-Timed Recall (HOLD) 10-240 seconds  30    116
Attendant-Timed Recall (CAMPON) 0=disable 5-240 s  30    117
Attendant Call Forward No Answer Timer 10-240 s  30    118
Apply Key Line Conference Warning Tone          ENABLED  126
Line Privacy          ENABLED  240
Call Forward - Don't Answer Timer 2-6 rings  3    253
PBX Telephone - Call Hold Recall Timer 1-10 min  1    254
    
```



Repeated Camp-On Beeps Timer	5-15 seconds	10	255
UCD Music On Hold Timer	0-50 minutes	0	256
Display Prime As Forwarder	ENABLED		258
Delay Ring Timer	2-6 rings	3	263
Paging Default (0-9) (0 Gives All Enabled Zones)		0	312
Recording Failure to Hangup Timer	1-255 seconds	30	404
Display CLASS Name	ENABLED		503
ONS Positive Disconnect <0 - 5 sec> <0 = disable>		0	506
Station/Set: Allow My Number to be Displayed	ENABLED		507
SUPERSET Tel. - Guest Rm Template (0-3)(DN)		0	610
Alarm Audio Level for Sets	RINGER		618
SUPERSET Telephone - Max Call Logs Allowed (0-20)		0	620
ACD - Agent Template (0-3, 0=disable)		0	650
ACD - Supervisor Template (0-3, 0=disable)		0	651
ACD - Senior Supervisor Template (0-3, 0=disable)		0	652
Key Set/Sub Att - Call Hold Notify Timer	0-600 s	60	681
SMDR - Drop Calls < n Digits ( 0..11, disable=0 )		0	803
Delay ONS Ring - Wait for Network Name ( 0-6 s )		0	813
DTRX Herald Text Select ( 1-4 )		1	905

### SYSTEM OPTIONS

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System Options	STATUS	OPTION
-----	-----	-----
Clock Format (example 16:00, 4:00, 4:00a)	24 HOUR	01
Message Lamp Test Enable	DISABLED	02
Single Paging Amplifier	ENABLED	03
Message Waiting & Message Register Clear Print	DISABLED	04
Verified Account Codes	DISABLED	05
Analogue Networking SMDR	DISABLED	06
Cancel 24-hour Message Waiting	DISABLED	07
Five Digit SMDR	DISABLED	08
Attendant Call Block	DISABLED	09
Attendant Conference Beeps	DISABLED	10
Automatic Wake-up	ENABLED	11
Automatic Wake-up Alarm	DISABLED	12
Automatic Wake-up Print	DISABLED	13
Automatic Wake-up Music	DISABLED	14
Data Demultiplexer	DISABLED	15
	16	
Discriminating Ringing	DISABLED	17
Discriminating Ringing Always	DISABLED	18
	19	
Holiday Messages	DISABLED	20
Incoming to Outgoing Call Forward	ENABLED	21
Last Party Clear - Dial Tone	ENABLED	22
Message Reg. Count Additional Supervisions	DISABLED	23
Message Register Audit	DISABLED	24
Message Register Zero After Audit	DISABLED	25

No Overlap Outpulsing	DISABLED	26	
Room Status Audit	DISABLED	27	
SMDR Indicate Long Calls	DISABLED	28	
Telephone Last Number Redial	ENABLED	29	
	30		
Satellite PBX	DISABLED	31	
Outgoing Call Restriction	DISABLED	32	
Room Status	DISABLED	33	
Auto Room Status Conversion/Auto Wake-up Print	DISABLED	34	
DSS/BLF Call Pickup	DISABLED	35	
End of Dial Character ( # )	DISABLED	36	
Calibrated Flash	DISABLED	37	
Switch-Hook Flash	ENABLED	38	
DATA SMDR Indicate Long Calls	DISABLED	39	
Message Register Follows Talker	DISABLED	40	
	41		
ACD Silent Monitoring	DISABLED	42	
ACD Silent Monitoring Beeps	DISABLED	43	
ACD Reports	DISABLED	44	
Disable PMS Logs	DISABLED	45	
Digit Translation Plan	0-3	0	46
ARS Unknown Digit Length Time-out	2-60 seconds	5	47
Limited Wait For Dial Tone	1-15 seconds	1	48
Pseudo Answer Supervision Timer	10-60 seconds	20	49
Dialing Conflict Timer	2-10 seconds	5	50
Final Ring Time-out	1-30 minutes	10	51
Minimum Flash Timer	20-50 ms ( 10 ms inc )	20	52
Maximum Flash Timer	20-150 ms ( 10 ms inc )	100	53
DISA Answer Timer	1-8 seconds	8	54
Account Code Length	Variable or 4-12 digits	6	55

### SYSTEM OPTIONS

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System Options	STATUS	OPTION	
-----	-----	-----	
Auto Room Stat Conver/Wakeup Print timer(HH:MM)	00:00		56
Vacant/Reserved Room Default Call Restriction	INTERNAL		57
Occupied Room Default Call Restriction	INTERNAL		58
Receivers Reserved For Non-Auto-Attendant Use	UNKNOWN		59
Tone Plan	NA	60	
Class Receivers in Spine Bay #1 (0..5)	4	61	
Class Receivers in Spine Bay #2 (0..5)	4	62	
Class Receivers in Spine Bay #3 (0..5)	4	63	
Class Receivers in Spine Bay #4 (0..5)	4	64	
Class Receivers in Spine Bay #5 (0..5)	4	65	
Class Receivers in Spine Bay #6 (0..5)	4	66	
Class Receivers in Spine Bay #7 (0..5)	4	67	
DSP DTMF Receiver Channels (0..7)	7	68	
DTMF ON Timer	5-15 ( in 10 ms inc )	9	69

DTMF OFF Timer	5-15 ( in 10 ms inc )	9	70
Slot 10 FIM Capacity (2 or 3 Bays)		3	71
Slot 11 FIM Capacity (2 or 3 Bays)		3	72
Advance to Daylight Savings Time ( mm:dd:hh )		00:11:02	73
		74	
		75	
Go Back to Standard Time ( mm:dd:hh )		00:01:00	76
		77	
		78	
Daylight - Standard Time difference (30-240min)		60	79
MyAdministrator Access	DISABLED		80
		81	
		82	
		83	
Multiple Guest Suite Phones	DISABLED		84
Speak@Ease Integration	DISABLED		85
PRI Card: Q.sig	DISABLED		86
Record a Call	DISABLED		87
TAPI Desktop (0..50 in increments of 5)		5	88
Class Functionality for ONS Sets	DISABLED		89
ACD Real Time Events	DISABLED		90
PRI Card: NFAS	DISABLED		91
PRI Card: D Channel Backup	DISABLED		92
PRI Card: Remote LAN Access	DISABLED		93
PRI Card: Min/Max	DISABLED		94
PRI Card: Auto Min/Max	DISABLED		95
Number of Links (0-8)		0	96
Support Softkey Access to Voicemail	DISABLED		97
Support 3DN and 4DN Set Type	DISABLED		98
Fax Tone Detection	DISABLED		99
Mitel Options Password	11871174		100
System Identity Code	39398		101
Feature Level (0..99)		2	102
Maximum Devices		672	103
Maximum ACD Agents		0	104
Mitel Application Interface	DISABLED		105
Automated Attendant	ENABLED		106
Lodging	DISABLED		107
Property Management System	DISABLED		108
Remote Software Download	ENABLED		109
Maximum BNIC Cards (0..40)		2	110

### SYSTEM OPTIONS

System Options	STATUS	OPTION
-----	-----	-----
Maximum BONS Cards (0..40)	1	111
SS4000 Series Sets	ENABLED	112
Centralized Attendant/VoiceMail	DISABLED	113

Maximum IP Sets	0	114
Maximum IP Trunks	0	115
IP Signalling Bay Number (0-7)	0	116
IP Signalling Bay IP Address		117
IP Signalling Bay Gateway Address		118
IP Signalling Bay Subnet Mask		119
Voice Compression Resources	0	120

TENANT INTERCONNECTION TABLE

-----

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

-----

01	O	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02	*	O	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03	*	*	O	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04	*	*	*	O	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05	*	*	*	*	O	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06	*	*	*	*	*	O	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07	*	*	*	*	*	*	O	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08	*	*	*	*	*	*	*	O	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09	*	*	*	*	*	*	*	*	O	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10	*	*	*	*	*	*	*	*	*	O	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11	*	*	*	*	*	*	*	*	*	*	O	*	*	*	*	*	*	*	*	*	*	*	*	*
12	*	*	*	*	*	*	*	*	*	*	*	O	*	*	*	*	*	*	*	*	*	*	*	*
13	*	*	*	*	*	*	*	*	*	*	*	*	O	*	*	*	*	*	*	*	*	*	*	*
14	*	*	*	*	*	*	*	*	*	*	*	*	*	O	*	*	*	*	*	*	*	*	*	*
15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	O	*	*	*	*	*	*	*	*	*
16	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	O	*	*	*	*	*	*	*	*
17	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	O	*	*	*	*	*	*	*
18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	O	*	*	*	*	*	*
19	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	O	*	*	*	*	*
20	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	O	*	*	*	*
21	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	O	*	*	*
22	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	O	*	*
23	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	O	*
24	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	O
25	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	O

TENANT NIGHT SWITCHING CONTROL

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01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

-----

01	O	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
02	.	O	.	.	.	.	*	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

```

03.. O . . . . .
04.. O * . . . . .
05.. O . . . . .
06.. O . . . . .
07.. O . . . . .
08.. O . . . . .
09.. O . . . . .
10.. O . . . . .
11.. O . . . . .
12.. O . . . . .
13.. O . . . . .
14.. O . . . . .
15.. O . . . . .
16.. O . . . . .
17.. O . . . . .
18.. O . . . . .
19.. O . . . . .
20.. O . . . . .
21.. O . . . . .
22.. O . . . . .
23.. O . . . . .
24.. O . . . . .
25.. O . . . . .

```

CONSOLE ASSIGNMENTS

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BAY	SLT	CCT	EXT	NUM	COS	COR	TENANT	COMMENTS	CESID
---	---	---	---	---	---	---	---	---	---
1	01	02	4005	21	01	02	temp		
3	03	03							
3	03	07							
3	03	09							
3	04	03							
3	04	04							
3	04	06							
3	04	10							
4	06	01	5300	21	02	02	courts consel	0202020202	
6	02	06							
6	02	09							
6	02	10							
6	02	11							
7	01	08							
7	05	08							
7	05	09							
7	05	10							
7	05	11							
7	05	12							

ATTENDANT PKM APPEARANCE DEFINITION

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\*\*\*\*\* CDE DATA PRINT OPTION 7\* FORM IS EMPTY \*\*\*\*\*

ATTENDANT LDN ASSIGNMENTS

-----

BAY/SLT/CCT : 01_01_02	KEY	DIR NUMBER	LABEL	COMMENTS
------------------------	-----	------------	-------	----------

-----

2  
3  
4  
5  
6  
7  
8  
9  
0

ATTENDANT LDN ASSIGNMENTS

-----

BAY/SLT/CCT : 04_06_01	KEY	DIR NUMBER	LABEL	COMMENTS
------------------------	-----	------------	-------	----------

-----

2	5264	INTERNAL	LEAH'S LINE	
3	5004	LDN 1		
4	5251	COURT ADMIN		
5	5000	BENTONCOUNTY		
6				
7				
8				
9				
0				

DESKTOP DEVICES DEFINITION

-----

B/S/CCT TEN	EXTN	COS	COR	TYPE	PG NAME	ASSOC	COMMENTS/LOC	CESID
-------------	------	-----	-----	------	---------	-------	--------------	-------

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1/01/01	3	8131	1	1	4025			
---------	---	------	---	---	------	--	--	--

1/01/03	7	5001	1	1	4025	
1/01/04	1	8106	1	1	4025	0202020202
1/01/05	1	8286	1	1	401	F
1/01/06	2	5205	2	2	410	I
1/01/07	2	4353	2	2	410	
1/01/08	2	5201	2	2	410	
1/01/09	1	8120	1	1	4001	
1/01/10	1	8121	1	1	4001	
1/01/11	1	8122	1	1	401	0202020202
1/01/12	1	8123	1	1	401	0202020202
1/02/01	1	8111	1	1	401	0202020202
1/02/02	1	8110	1	1	401	0202020202
1/02/03	1	8118	1	1	401	0202020202
1/02/04	1	8119	1	1	410	
1/02/05	1	8129	1	1	401	0202020202
1/02/06	1	8130	1	1	401	0202020202
1/02/07	1	8128	1	1	401	0202020202
1/02/08	1	8124	1	1	401	0202020202
1/02/09	1	8127	1	1	401	0202020202
1/02/10	1	8132	1	1	401	0202020202
1/02/11	1	8133	1	1	401	0202020202
1/02/12	1	8108	1	1	401	0202020202
1/04/01	1	8101	13	1	Stn	0202020202
1/04/02	1	8102	13	1	Stn	0202020202
1/04/03	1	8103	13	1	Stn	0202020202
1/04/04	1	8104	13	1	Stn	0202020202
1/04/05	1	8155	5	1	Stn	0202020202
1/04/06	1	8189	5	1	Stn	0202020202
1/04/07					Stn	
1/04/08	1	7121	1	1	Stn	0202020202
1/04/09	1	7123	1	1	Stn	0202020202
1/04/10	1	451	1	1	Stn	0202020202
1/04/11	1	6752	1	1	Stn	0202020202
1/04/12	1	8203	5	1	Stn	0202020202
1/05/01	1	8109	1	1	401	
1/05/02	1	8137	1	1	401	
1/05/03	1	8135	1	1	401	0202020202
1/05/04	1	8136	1	1	401	0202020202
1/05/05	1	8222	1	1	401	t
1/05/06	1	8138	1	1	401	0202020202
1/05/07	1	8139	1	1	4025	
1/05/08	1	8100	1	1	401	
1/05/09	1	8141	1	1	401	0202020202
1/05/10	1	8142	1	1	401	0202020202
1/05/11	1	8143	1	1	401	0202020202
1/05/12	1	8144	1	1	401	0202020202
1/07/01	1	8284	1	1	Stn	
1/07/02	1	8285	1	1	Stn	
1/07/03	1	6347	1	1	Stn	
1/07/04	1	6885	1	1	Stn	
1/07/05	1	8081	1	1	Stn	
1/07/06	1	8881	1	1	Stn	
1/07/07	1	8112	1	1	Stn	
1/07/08	1	8171	1	1	Stn	P

DESKTOP DEVICES DEFINITION

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B/S/CCT	TEN	EXTN	COS	COR	TYPE	PG NAME	ASSOC	COMMENTS/LOC	CESID
-----	----	-----	----	-----	-----	-----	-----	-----	-----
1/07/09	1	8172	1	1	Stn				
1/07/10	1	8134	1	1	Stn				
1/07/11	1	8167	1	1	Stn				
1/07/12					Stn				
2/01/01	1	8257	1	1	401		0202020202		
2/01/02	1	8256	1	1	401		0202020202		
2/01/03	1	8273	1	1	4001				
2/01/04	1	8274	1	1	401		0202020202		
2/01/05	1	8272	1	1	4025		0202020202		
2/01/06	1	8276	1	1	401		0202020202		
2/01/07	1	8277	1	1	401		0202020202		
2/01/08	1	8278	1	1	401		0202020202		
2/01/09	1	8271	1	1	4025				
2/01/10	2	5227	2	2	410				
2/01/11	1	8269	1	1	4025				
2/01/12	1	8279	1	1	4001		0202020202		
2/02/01	1	8154	1	4	401		0202020202		
2/02/02	1	8153	1	1	401		0202020202		
2/02/03	1	8264	1	1	401		0202020202		
2/02/04	1	8126	1	1	410		0202020202		
2/02/05	1	8125	1	1	410		0202020202		
2/02/06	1	81*0	1	1	4025	9	0202020202		
2/02/07	1	8150	1	1	410		0202020202		
2/02/08	1	8181	1	1	4001		0202020202		
2/02/09	1	8151	1	1	410		0202020202		
2/02/10	1	8260	1	1	410		0202020202		
2/02/11	1	8107	1	1	4025		0202020202		
2/02/12	1	8182	1	1	4025		0202020202		
2/03/01	1	8183	1	1	4025		0202020202		
2/03/02	1	8275	1	1	401		0202020202		
2/03/03	1	8297	1	1	410		0202020202		
2/03/04	1	8117	1	1	4025				
2/03/05	1	8185	1	1	401		0202020202		
2/03/06	1	8186	1	1	401		0202020202		
2/03/07	1	8187	1	1	401		0202020202		
2/03/08	1	8188	1	1	401		0202020202		
2/03/09	1	8192	1	1	401		0202020202		
2/03/10	1	8191	1	1	401		0202020202		
2/03/11	1	8190	1	1	410				
2/03/12	1	8193	1	1	401		0202020202		
2/04/01	1	8194	1	1	401		0202020202		
2/04/02	1	8268	1	1	4001		0202020202		
2/04/03	1	8267	1	1	410				
2/04/04	1	8266	1	1	401		0202020202		



2/04/05	1	8195	1	1	401		0202020202
2/04/06	1	8184	1	1	401		0202020202
2/04/07	1	8161	1	1	401		
2/04/08	1	8280	1	1	401		0202020202
2/04/09	1	8160	1	1	401		0202020202
2/04/10	1	8281	1	1	401		0202020202
2/04/11	1	8282	1	1	401		0202020202
2/04/12	1	8283	1	1	401		0202020202
2/05/01	1	8145	1	1	401		0202020202
2/05/02	1	8146	1	1	401		0202020202
2/05/03	1	8147	1	1	401		0202020202

DESKTOP DEVICES DEFINITION

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B/S/CCT	TEN	EXTN	COS	COR	TYPE	PG NAME	ASSOC	COMMENTS/LOC	CESID
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
2/05/04	1	8148	1	1	401			0202020202	
2/05/05	1	8149	1	1	401			0202020202	
2/05/06	1	8258	1	1	4001			0202020202	
2/05/07	1	8152	1	1	410			0202020202	
2/05/08	1	8265	1	1	410				
2/05/09	1	8261	1	1	4001			0202020202	
2/05/10	1	8262	1	1	4001			0202020202	
2/05/11	1	8263	1	1	410			0202020202	
2/05/12	1	8259	1	1	401			0202020202	
2/07/01					Stn				
2/07/02	1	4030	1	1	Stn				
2/07/03	1	4031	1	1	Stn				
2/07/04	1	4032	1	1	Stn				
2/07/05	1	4033	1	1	Stn				
2/07/06	1	4034	1	1	Stn				
2/07/07	1	4035	1	1	Stn				
2/07/08	1	8211	1	1	Stn				
2/07/09	1	8198	1	1	Stn	MODEM		0202020202	
2/07/10	1	8202	1	1	Stn	0202020202			
2/07/11	1	8201	1	1	Stn	0202020202			
2/07/12	1	8225	1	1	Stn	0202020202			
2/08/01	1	8156	1	1	410				
2/08/02	1	8157	1	1	4025				
2/08/03	1	8158	1	1	420			0202020202	
2/08/04	1	8001	1	1	410			0202020202	
2/08/05	1	8002	1	1	410			0202020202	
2/08/06	1	8114	1	1	410				
2/08/07	1	8116	1	1	4025				
2/08/08	1	8113	1	1	4001			0202020202	
2/08/09	2	5228	2	2	410				
2/08/10	1	8199	1	1	4025			0202020202	
2/08/11	1	8115	1	1	4025				
2/08/12	2	5229	2	2	410				

3/01/01	3	5188	2	2	4025		0202020202
3/01/02	2	5002	2	2	420		
3/01/03	2	5003	2	2	410	01	0202020202
3/01/04	2	5171	2	2	4025		
3/01/05	3	5172	2	2	4025		0202020202
3/01/06	2	5007	2	2	410		0202020202
3/01/07	2	5008	2	2	420		0202020202
3/01/08	2	5009	2	2	410		0202020202
3/01/09	2	5010	2	2	410		0202020202
3/01/10	2	5011	2	2	410		0202020202
3/01/11	3	5173	2	2	410		0202020202
3/01/12	2	5014	2	2	4025		0202020202
3/02/01	3	5174	2	2	4025		0202020202
3/02/02	2	5017	2	2	4025		0202020202
3/02/03	3	5204	2	2	4025		0202020202
3/02/04	2	5020	2	2	410		0202020202
3/02/05	2	5021	2	2	410		0202020202
3/02/06	2	5022	2	2	410		0202020202
3/02/07	2	5023	2	2	420		0202020202
3/02/08	3	5203	2	2	410		0202020202
3/02/09	2	5028	2	2	420		0202020202
3/02/10	2	5029	2	2	410		0202020202

DESKTOP DEVICES DEFINITION

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B/S/CCT	TEN	EXTN	COS	COR	TYPE	PG	NAME	ASSOC	COMMENTS/LOC	CESID
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
3/02/11	2	5030	2	2	410			0202020202		
3/02/12	2	5031	2	2	420			0202020202		
3/03/01	3	5032	2	2	4025			0202020202		
3/03/02	2	5033	2	2	410			0202020202		
3/03/03					4025					
3/03/04	2	5038	2	2	410			0202020202		
3/03/05	2	5039	2	2	410			0202020202		
3/03/06	2	5040	2	2	410			0202020202		
3/03/07					4025					
3/03/08	2	5044	2	2	410			0202020202		
3/03/09					4025					
3/03/10	2	5048	2	2	410	01		0202020202		
3/03/11	2	5049	2	2	4025	01		0202020202		
3/03/12	2	5074	2	2	410			0202020202		
3/04/01	2	5045	2	2	410					
3/04/02	2	5046	2	2	410					
3/04/03					4025					
3/04/04					4025					
3/04/05	2	5190	2	2	4025					
3/04/06					4025					
3/04/07	3	5058	2	2	4015			0202020202		
3/04/08	2	8270	2	2	401					

3/04/09	2	5060	1	2	410			0202020202
3/04/10					4025			
3/04/11	3	5187	2	2	410			0202020202
3/04/12	2	5066	2	2	420			0202020202
3/06/01	2	5067	2	2	410			0202020202
3/06/02	2	5068	2	2	410			0202020202
3/06/03	2	5069	2	2	410			0202020202
3/06/04	2	5070	2	2	410			0202020202
3/06/05	2	5071	2	2	4025			0202020202
3/06/06	3	5072	2	2	4025			0202020202
3/06/07	2	5073	2	2	410			0202020202
3/06/08	2	5050	2	2	4025	01		
3/06/09	2	5078	2	2	420			0202020202
3/06/10	2	5079	2	2	4025			0202020202
3/06/11	2	8105	1	1	4025			
3/06/12	2	5081	2	2	410			0202020202
3/07/01	2	5077	2	2	420			0202020202
3/07/02	2	5083	2	2	410			0202020202
3/07/03	2	6030	2	2	410			0202020202
3/07/04	2	5082	2	2	410			0202020202
3/07/05	3	5088	2	2	4025			0202020202
3/07/06	3	5089	2	2	4025			0202020202
3/07/07	3	5090	2	2	410			0202020202
3/07/08	3	5091	2	2	4025			0202020202
3/07/09	3	5092	2	2	410			0202020202
3/07/10	3	5093	2	2	410			0202020202
3/07/11	3	5094	2	2	410			0202020202
3/07/12	3	5095	2	2	410			0202020202
3/08/01	2	5292	2	2	Stn			
3/08/02	1	6034	5	1	Stn		elavator	0202020202
3/08/03	2	5065	7	2	Stn		DEPT #	0202020202
3/08/04	2	5051	2	2	Stn		DEPT #	0202020202
3/08/05	2	7777	2	2	Stn		DIRECT TO VM	

DESKTOP DEVICES DEFINITION

B/S/CCT	TEN	EXTN	COS	COR	TYPE	PG NAME	ASSOC	COMMENTS/LOC	CESID
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
3/08/06	2	5027	2	2	Stn		DEPT #	0202020202	
3/08/07	2	5019	2	2	Stn		DEPT #	0202020202	
3/08/08	2	5299	2	2	Stn		MODEM	0202020202	
3/08/09	2	5006	2	2	Stn		DEPT #	0202020202	
3/08/10	2	8197	2	2	Stn	L Modem		0202020202	
3/08/11	2	5297	2	2	Stn			0202020202	
3/08/12	2	5296	2	2	Stn			0202020202	
4/01/01	3	5096	2	2	410			0202020202	
4/01/02	3	5097	2	2	4025			0202020202	
4/01/03	3	5098	2	2	4025			0202020202	
4/01/04	3	5099	2	2	410			0202020202	

4/01/05	3	5100	2	2	4025		0202020202
4/01/06	3	5101	2	2	410		0202020202
4/01/07	3	5102	2	2	4025		0202020202
4/01/08	3	5103	2	2	4025		0202020202
4/01/09	3	5104	2	2	410		0202020202
4/01/10	3	5105	2	2	410		0202020202
4/01/11	3	5106	2	2	410		0202020202
4/01/12	3	5107	2	2	410		0202020202
4/02/01	3	5108	2	2	410		0202020202
4/02/02	3	5109	2	2	410		0202020202
4/02/03	3	5110	2	2	4025		0202020202
4/02/04	3	5111	2	2	410		0202020202
4/02/05	3	5112	2	2	410		0202020202
4/02/06	3	5113	2	2	4025		0202020202
4/02/07	3	5114	2	2	4025		0202020202
4/02/08	3	5115	2	2	4025		0202020202
4/02/09	3	5116	2	2	4025		0202020202
4/02/10	3	5117	2	2	4025		0202020202
4/02/11	3	5118	2	2	410		0202020202
4/02/12	3	5119	4	2	Sub		
4/03/01	3	5120	2	2	4025	E	0202020202
4/03/02	3	5121	2	2	410		0202020202
4/03/03	3	5122	2	2	4025		0202020202
4/03/04	3	5123	2	2	4025		0202020202
4/03/05	3	5124	2	2	4025		0202020202
4/03/06	3	5125	2	2	4025		0202020202
4/03/07	3	5126	2	2	4025		0202020202
4/03/08	3	5128	2	2	4025		0202020202
4/03/09	3	5129	2	2	410		0202020202
4/03/10	3	5130	2	2	4025		0202020202
4/03/11	3	5131	2	2	410		0202020202
4/03/12	3	5132	2	2	4025		0202020202
4/04/01	3	5133	2	2	4025		0202020202
4/04/02	3	5134	2	2	4025		0202020202
4/04/03	3	5135	2	2	4025		0202020202
4/04/04	2	6003	2	2	4025		0202020202
4/04/05	3	5137	2	2	4025		0202020202
4/04/06	3	5138	2	2	4025		0202020202
4/04/07	3	5139	2	2	410		0202020202
4/04/08	3	5140	2	2	4025		0202020202
4/04/09	3	5141	2	2	410		0202020202
4/04/10	3	5142	2	2	410		0202020202
4/04/11	3	5143	2	2	420	M	0202020202
4/04/12	3	5144	2	2	4015		0202020202

DESKTOP DEVICES DEFINITION

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B/S/CCT	TEN	EXTN	COS	COR	TYPE	PG NAME	ASSOC	COMMENTS/LOC	CESID
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4/05/01 3	5145	2	2	410	0202020202
4/05/02 3	5146	2	2	410	0202020202
4/05/03 3	5147	2	2	410	0202020202
4/05/04 3	5148	2	2	4025	0202020202
4/05/05 3	5149	2	2	410	0202020202
4/05/06 3	5150	2	2	4025	0202020202
4/05/07 3	5151	2	2	410	0202020202
4/05/08 3	5152	2	2	410	0202020202
4/05/09 3	5153	2	2	410	0202020202
4/05/10 2	5154	2	2	410	0202020202
4/05/11 3	5155	2	2	410	0202020202
4/05/12 3	5156	2	2	4025	0202020202
4/06/02 3	5157	2	2	4025	0202020202
4/06/03 3	5158	2	2	410	0202020202
4/06/04 3	5159	2	2	4025	0202020202
4/06/05 3	5160	2	2	410	0202020202
4/06/06 3	5161	2	2	410	0202020202
4/06/07 3	5162	2	2	410	0202020202
4/06/08 3	5163	2	2	4025	0202020202
4/06/09 2	6031	2	2	410	0202020202
4/06/10 3	5202	4	2	Sub	
4/06/11 3	5170	2	2	4025	0202020202
4/06/12 3	5127	2	2	4025	0202020202
4/08/01 2	5005	2	2	4025	0202020202
4/08/02 2	5018	2	2	410	0202020202
4/08/03 2	5041	2	2	410	0202020202
4/08/04 3	5164	2	2	4025	0202020202
4/08/05 3	5165	2	2	410	0202020202
4/08/06 3	5166	2	2	410	0202020202
4/08/07 3	5167	2	2	4025	0202020202
4/08/08 3	5084	2	2	4025	0202020202
4/08/09 2	5265	2	2	410	0202020202
4/08/10 2	5085	2	2	410	0202020202
4/08/11 2	5086	6	2	410	0202020202
4/08/12 2	5035	2	2	410	0202020202
5/01/01 2	5198	2	2	420	0202020202
5/01/02 2	5176	2	2	410	0202020202
5/01/03 2	5177	2	2	420	0202020202
5/01/04 2	5178	2	2	410	0202020202
5/01/05 2	5179	2	2	410	0202020202
5/01/06 2	5180	2	2	410	0202020202
5/01/07 2	5181	2	2	4025	0202020202
5/01/08 2	5182	2	2	410	0202020202
5/01/09 2	5183	2	2	410	0202020202
5/01/10 2	6000	2	2	410	0202020202
5/01/11 2	5185	2	2	4025	
5/01/12 2	5234	2	2	410	0202020202
5/02/01 2	5175	2	2	420	0202020202
5/02/02 2	5186	2	2	410	0202020202
5/02/03 2	5193	2	2	410	0202020202
5/02/04 2	5194	2	2	410	0202020202
5/02/05 2	5195	2	2	410	0202020202
5/02/06 2	5196	2	2	410	0202020202
5/02/07 2	5197	2	2	410	0202020202

## DESKTOP DEVICES DEFINITION

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B/S/CCT	TEN	EXTN	COS	COR	TYPE	PG NAME	ASSOC	COMMENTS/LOC	CESID
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
5/02/09	2	5277	2	2	4025				
5/02/10	2	8223	2	2	420		0202020202		
5/02/11	2	6006	2	2	4025		0202020202		
5/02/12	2	5192	2	2	420		0202020202		
5/03/01	2	6007	2	2	410		0202020202		
5/03/02	2	5199	2	2	410		0202020202		
5/03/03	4	5206	2	2	420				
5/03/04	4	5225	2	2	420				
5/03/05	4	5207	2	2	410		0202020202		
5/03/06	4	5208	2	2	410		0202020202		
5/03/07	4	5209	2	2	410		0202020202		
5/03/08	4	5210	2	2	410		0202020202		
5/03/09	4	5211	2	2	410		0202020202		
5/03/10	4	5212	2	2	410		0202020202		
5/03/11	4	5213	2	2	410		0202020202		
5/03/12	2	5214	2	2	410		0202020202		
5/04/01	4	5215	2	2	410		0202020202		
5/04/02	4	5216	2	2	410				
5/04/03	2	6008	2	2	420		0202020202		
5/04/04	2	6009	2	2	410		0202020202		
5/04/05	2	6010	2	2	420		0202020202		
5/04/06	2	6011	2	2	410		0202020202		
5/04/07	2	6012	2	2	410		0202020202		
5/04/08	2	6013	2	2	410		0202020202		
5/04/09	2	5233	2	2	4025		0202020202		
5/04/10	2	5217	2	2	410		0202020202		
5/04/11	2	5218	2	2	410		0202020202		
5/04/12	2	5219	7	2	420		0202020202		
5/05/01	2	5220	2	2	420		0202020202		
5/05/02	2	5221	2	2	420		0202020202		
5/05/03	2	5222	2	2	410		0202020202		
5/05/04	2	5223	2	2	410		0202020202		
5/05/05	2	6014	2	2	410		0202020202		
5/05/06	2	6015	2	2	410		0202020202		
5/05/07	2	6016	2	2	410		0202020202		
5/05/08	2	6017	2	2	410		0202020202		
5/05/09	2	6018	2	2	410		0202020202		
5/05/10	2	6019	2	2	410		0202020202		
5/05/11	2	6020	2	2	410		0202020202		
5/05/12	2	6021	2	2	410		0202020202		
5/06/01	2	5347	2	2	Stn				
5/06/02	2	5346	2	2	Stn				
5/06/03	2	5348	2	2	Stn				

5/06/04	2	5352	2	2	Stn		
5/06/05	2	5353	2	2	Stn		
5/06/06	2	5354	2	2	Stn		
5/06/07	2	5355	2	2	Stn		
5/06/08	2	5356	2	2	Stn		
5/06/09	2	5357	2	2	Stn		
5/06/10	2	5358	2	2	Stn		
5/06/11	2	5359	2	2	Stn		
5/06/12					Stn		
5/07/01	2	4001	5	2	Stn	0202020202	
5/07/02	2	4002	5	2	Stn	0202020202	
5/07/03	2	4003	5	2	Stn	T 0202020202	

DESKTOP DEVICES DEFINITION

B/S/CCT	TEN	EXTN	COS	COR	TYPE	PG	NAME	ASSOC	COMMENTS/LOC	CESID
-----	----	-----	----	----	-----	-----	-----	-----	-----	-----
5/07/04	2	4004	5	2	Stn		0202020202			
5/07/05	2	4357	1	1	Stn		0202020202			
5/07/06	2	5184	2	2	Stn					
5/07/07	2	8200	2	2	Stn					
5/07/08	2	442	23	2	Stn					
5/07/09	2	5987	2	2	Stn					
5/07/10	5	4351	2	2	Stn					
5/07/11					Stn					
5/07/12	10	5200	22	1	Stn					
5/08/01	2	5224	2	2	410		0202020202			
5/08/02	2	5226	2	2	4025					
5/08/03	2	6024	2	2	410		0202020202			
5/08/04	2	6025	2	2	410		0202020202			
5/08/05	2	6026	2	2	410		0202020202			
5/08/06	2	6027	2	2	410		0202020202			
5/08/07	2	6028	2	2	410		0202020202			
5/08/08	2	6029	2	2	410		0202020202			
5/08/09	2	5016	2	2	410		0202020202			
5/08/10	2	8888	2	3	410		0202020202			
5/08/11	2	6033	2	2	410		0202020202			
5/08/12	2	6032	2	2	410		0202020202			
6/01/01	2	5052	2	2	4025		0202020202			
6/01/02	2	5054	2	2	4025		0202020202			
6/01/03	2	5053	2	2	430		0202020202			
6/01/04	2	5062	2	2	430		0202020202			
6/01/05	2	5063	2	2	410		0202020202			
6/01/06	2	5061	2	2	4025		0202020202			
6/01/07	2	5025	2	2	4025					
6/01/08	2	5026	2	2	420					
6/01/09	2	5015	2	2	4025					
6/01/10	2	5076	2	2	4025					
6/01/11	2	5168	2	2	4025					

6/01/12	2	5169	2	2	4025	
6/02/01	2	5055	2	2	4025	0202020202
6/02/02	2	5057	2	2	410	0202020202
6/02/03	2	5059	2	2	410	0202020202
6/02/04	2	5012	2	2	4025	
6/02/05	2	5043	2	2	401	
6/02/06					4025	
6/02/07	2	5064	2	2	4025	0202020202
6/02/08	2	5056	2	2	4025	0202020202
6/02/09					4025	
6/02/10					4025	
6/02/11					4025	
6/02/12	1	8180	1	1	4025	
6/03/01					Stn	
6/03/02					Stn	
6/03/03					Stn	
6/03/04					Stn	
6/03/05					Stn	
6/03/06					Stn	
6/03/07					Stn	
6/03/08					Stn	
6/03/09					Stn	
6/03/10					Stn	

DESKTOP DEVICES DEFINITION

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B/S/CCT	TEN	EXTN	COS	COR	TYPE	PG NAME	ASSOC	COMMENTS/LOC	CESID
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6/03/11						Stn			
6/03/12						Stn			
6/04/01	2	5333	2	2	Stn				
6/04/02	2	5230	2	2	Stn				
6/04/03	2	5189	2	2	Stn				
6/04/04	2	5034	2	2	Stn				
6/04/05					Stn				
6/04/06					Stn				
6/04/07	2	5231	2	2	Stn				
6/04/08					Stn				
6/04/09					Stn				
6/04/10					Stn				
6/04/11					Stn				
6/04/12	3	5321	2	2	Stn				
7/01/01	2	5270	2	2	410				
7/01/02	3	5271	2	2	4025				
7/01/03	3	5272	2	2	410				
7/01/04	3	5087	2	2	4025				
7/01/05	2	5274	2	2	4025				
7/01/06	2	5275	2	2	410				
7/01/07	2	5276	2	2	420				



7/01/08					4025
7/01/09	2	5278	2	2	410
7/01/10	2	5279	2	2	410
7/01/11	2	5280	2	2	410
7/01/12	2	5281	2	2	4025
7/02/01	2	5282	2	2	410
7/02/02	2	5283	2	2	4025
7/02/03	2	5284	2	2	410
7/02/04	2	5285	2	2	4025
7/02/05	2	5286	2	2	4025
7/02/06	2	5287	2	2	4025
7/02/07	2	5288	2	2	410
7/02/08	2	5289	2	2	4001
7/02/09	2	5290	2	2	410
7/02/10	2	5291	2	2	410
7/02/11	2	5047	2	2	410 01
7/02/12	2	5075	2	2	4025
7/03/01	3	5256	2	2	410
7/03/02	2	5257	2	2	4150
7/03/03	2	5258	2	2	410
7/03/04	2	5259	2	2	4025
7/03/05	2	5260	2	2	410
7/03/06	2	5261	2	2	410
7/03/07	2	5262	2	2	410
7/03/08	3	5263	2	2	410
7/03/09	2	5266	2	2	410
7/03/10	3	5267	2	2	4025
7/03/11	3	5268	2	2	410
7/03/12	2	5269	2	2	4025
7/04/01	1	5901	13	2	430
7/04/02	1	5902	13	2	430
7/04/03	1	5903	13	2	430
7/04/04	1	5904	13	2	430
7/04/05	1	5905	13	2	430

DESKTOP DEVICES DEFINITION

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B/S/CCT	TEN	EXTN	COS	COR	TYPE	PG NAME	ASSOC	COMMENTS/LOC	CESID
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
7/04/06	1	5906	13	2					430
7/04/07	1	5907	13	2					430
7/04/08	1	5908	13	2					430
7/04/09	1	5909	13	2					430
7/04/10	1	5910	13	2					430
7/04/11	1	5911	14	2					430
7/04/12	1	5912	14	2					430
7/05/01	2	5024	2	2					410
7/05/02	2	5293	2	2					410
7/05/03	2	5191	2	2					410

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7/05/04 2 5042 2 2 4025
7/05/05 2 5080 2 2 410
7/05/06 2 5036 2 2 410
7/05/07 2 5013 2 2 410
7/05/08          4025
7/05/09          4025
7/05/10          4025
7/05/11          4025
7/05/12          4025
7/06/01 2 5306 2 2 Stn
7/06/02 2 5307 2 2 Stn
7/06/03 2 5309 2 2 Stn
7/06/04 2 5318 2 2 Stn
7/06/05 2 5319 2 2 Stn
7/06/06 2 5320 2 2 Stn
7/06/07 2 5328 2 2 Stn
7/06/08 2 5329 2 2 Stn
7/06/09 2 4330 2 2 Stn
7/06/10 2 5331 2 4 Stn
7/06/11 2 5332 2 2 Stn
7/06/12          Stn
7/07/01 2 5334 2 2 Stn
7/07/02 2 5336 2 2 Stn
7/07/03 2 5337 2 2 Stn
7/07/04 2 5339 2 2 Stn
7/07/05 2 5349 2 2 Stn
7/07/06 2 5350 2 2 Stn
7/07/07 2 5351 2 2 Stn
7/07/08 2 5335 2 4 Stn
7/07/09 2 5338 2 2 Stn
7/07/10 2 5303 2 4 Stn
7/07/11          Stn
7/07/12          Stn

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DESKTOP LINE APPEARANCE DEFINITION

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KEY   TYPE   DIR   RING  SEC  DSS  EXT NUM TRK NUM LABEL
---   ---   ---   ---   ---  ---  ---  ---  ---
*01 Prime   In/Out Immed No   8131
*01 Prime   In/Out Immed No   5001
*01 Prime   In/Out Immed No   8106
05 Auto Answer
*01 Prime   In/Out Immed No   8286
*01 Prime   In/Out Immed No   5205

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*01 Prime	In/Out	Immed	No	4353
*01 Prime	In/Out	Immed	No	5201
*01 Prime	In/Out	Immed	No	8120
*01 Prime	In/Out	Immed	No	8121
*01 Prime	In/Out	Immed	No	8122
*01 Prime	In/Out	Immed	No	8123
*01 Prime	In/Out	Immed	No	8111
*01 Prime	In/Out	Immed	No	8110
*01 Prime	In/Out	Immed	No	8118
*01 Prime	In/Out	Immed	No	8119
*01 Prime	In/Out	Immed	No	8129
*01 Prime	In/Out	Immed	No	8130
*01 Prime	In/Out	Immed	No	8128
*01 Prime	In/Out	Immed	No	8124
*01 Prime	In/Out	Immed	No	8127
*01 Prime	In/Out	Immed	No	8132
*01 Prime	In/Out	Immed	No	8133
*01 Prime	In/Out	Immed	No	8108
*01 Prime	In/Out	Immed	No	8109
*01 Prime	In/Out	Immed	No	8137
*01 Prime	In/Out	Immed	No	8135
*01 Prime	In/Out	Immed	No	8136

DESKTOP LINE APPEARANCE DEFINITION

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KEY	TYPE	DIR	RING	SEC	DSS	EXT NUM	TRK NUM	LABEL
-----	------	-----	------	-----	-----	---------	---------	-------

--- --- --- --- --- --- --- --- ---

*01 Prime	In/Out	Immed	No	8222
*01 Prime	In/Out	Immed	No	8138
*01 Prime	In/Out	Immed	No	8139
02 Multiple	In/Out	Immed	No	8139
*01 Prime	In/Out	Immed	No	8100
*01 Prime	In/Out	Immed	No	8141
*01 Prime	In/Out	Immed	No	8142
*01 Prime	In/Out	Immed	No	8143
*01 Prime	In/Out	Immed	No	8144
*01 Prime	In/Out	Immed	No	8257
*01 Prime	In/Out	Immed	No	8256
*01 Prime	In/Out	Immed	No	8273
*01 Prime	In/Out	Immed	No	8274
*01 Prime	In/Out	Immed	No	8272
03 Multiple	In/Out	None	No	8275
05 Multiple	In/Out	None	No	8297
*01 Prime	In/Out	Immed	No	8276
*01 Prime	In/Out	Immed	No	8277
*01 Prime	In/Out	Immed	No	8278
*01 Prime	In/Out	Immed	No	8271
02 Multiple	In/Out	Immed	No	8269
*01 Prime	In/Out	Immed	No	5227
*01 Prime	In/Out	Immed	No	8269
02 Multiple	In/Out	Immed	No	8271
*01 Prime	In/Out	Immed	No	8279
*01 Prime	In/Out	Immed	No	8154
*01 Prime	In/Out	Immed	No	8153
*01 Prime	In/Out	Immed	No	8264
*01 Prime	In/Out	Immed	No	8126
05 Auto Answer				

\*01 Prime In/Out Immed No 8125

DESKTOP LINE APPEARANCE DEFINITION

-----  
KEY TYPE DIR RING SEC DSS EXT NUM TRK NUM LABEL  
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05 Auto Answer

\*01 Prime In/Out Immed No 81\*0  
02 Multiple In/Out None No 8181  
03 Multiple In/Out None No 8182  
04 Multiple In/Out None No 8183  
05 Auto Answer  
13 Key In/Out Immed No 8179

\*01 Prime In/Out Immed No 8150  
02 Multiple In/Out None No 8151  
03 Multiple In/Out None No 8152  
04 Multiple In/Out None No 8156  
05 Multiple In/Out Immed No 8222

\*01 Prime In/Out Immed No 8181

\*01 Prime In/Out Immed No 8151  
02 Multiple In/Out None No 8150  
03 Multiple In/Out None No 8152  
04 Multiple In/Out None No 8156  
05 Multiple In/Out Immed No 8222

\*01 Prime In/Out Immed No 8260

\*01 Prime In/Out Immed No 8107  
02 Multiple In/Out None No 8199  
04 Multiple In/Out None No 8115  
05 Auto Answer  
06 Multiple In/Out None No 8106

\*01 Prime In/Out Immed No 8182  
05 Auto Answer

\*01 Prime In/Out Immed No 8183  
05 Auto Answer

\*01 Prime In/Out Immed No 8275

\*01 Prime In/Out Immed No 8297  
03 Multiple In/Out None No 8275  
05 Multiple In/Out None No 8272

*01 Prime	In/Out	Immed	No	8117
*01 Prime	In/Out	Immed	No	8185
*01 Prime	In/Out	Immed	No	8186
*01 Prime	In/Out	Immed	No	8187
*01 Prime	In/Out	Immed	No	8188
*01 Prime	In/Out	Immed	No	8192

DESKTOP LINE APPEARANCE DEFINITION

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KEY	TYPE	DIR	RING	SEC	DSS	EXT NUM	TRK NUM	LABEL
---	---	---	---	---	---	---	---	---
*01 Prime	In/Out	Immed	No					8191
*01 Prime	In/Out	Immed	No					8190
*01 Prime	In/Out	Immed	No					8193
*01 Prime	In/Out	Immed	No					8194
*01 Prime	In/Out	Immed	No					8268
*01 Prime	In/Out	Immed	No					8267
*01 Prime	In/Out	Immed	No					8266
*01 Prime	In/Out	Immed	No					8195
*01 Prime	In/Out	Immed	No					8184
*01 Prime	In/Out	Immed	No					8161
*01 Prime	In/Out	Immed	No					8280
*01 Prime	In/Out	Immed	No					8160
*01 Prime	In/Out	Immed	No					8281
*01 Prime	In/Out	Immed	No					8282
*01 Prime	In/Out	Immed	No					8283
*01 Prime	In/Out	Immed	No					8145

*01 Prime	In/Out	Immed	No	8146
*01 Prime	In/Out	Immed	No	8147
*01 Prime	In/Out	Immed	No	8148
*01 Prime	In/Out	Immed	No	8149
*01 Prime	In/Out	Immed	No	8258
*01 Prime	In/Out	Immed	No	8152
02 Multiple	In/Out	None	No	8151
03 Multiple	In/Out	None	No	8150
04 Multiple	In/Out	None	No	8156
05 Multiple	In/Out	Immed	No	8222
*01 Prime	In/Out	Immed	No	8265
*01 Prime	In/Out	Immed	No	8261
*01 Prime	In/Out	Immed	No	8262
*01 Prime	In/Out	Immed	No	8263

DESKTOP LINE APPEARANCE DEFINITION

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KEY	TYPE	DIR	RING	SEC	DSS	EXT NUM	TRK NUM	LABEL
---	----	---	----	---	----	-----	-----	-----

*01 Prime	In/Out	Immed	No	8259
*01 Prime	In/Out	Immed	No	8156
02 Multiple	In/Out	None	No	8150
03 Multiple	In/Out	None	No	8151
04 Multiple	In/Out	None	No	8152
05 Multiple	In/Out	Immed	No	8222
*01 Prime	In/Out	Immed	No	8157
*01 Prime	In/Out	Immed	No	8158
02 Multiple	In/Out	None	No	8890
05 Multiple	In/Out	None	No	8101
06 Multiple	In/Out	None	No	7123
07 Multiple	In/Out	None	No	8102
08 Multiple	In/Out	None	No	7121
09 Multiple	In/Out	None	No	8103
10 Multiple	In/Out	None	No	6752
11 Multiple	In/Out	None	No	8104

*01 Prime	In/Out	Immed	No	8001
*01 Prime	In/Out	Immed	No	8002
*01 Prime	In/Out	Immed	No	8114
*01 Prime	In/Out	Immed	No	8116
*01 Prime	In/Out	Immed	No	8113
*01 Prime	In/Out	Immed	No	5228
*01 Prime	In/Out	Immed	No	8199
*01 Prime	In/Out	Immed	No	8115
*01 Prime	In/Out	Immed	No	5229
*01 Prime	In/Out	Immed	No	5188
*01 Prime	In/Out	Immed	No	5002
*01 Prime	In/Out	Immed	No	5003
06 Do Not Dist				
*01 Prime	In/Out	Immed	No	5171
*01 Prime	In/Out	Immed	No	5172
*01 Prime	In/Out	Immed	No	5007
02 Multiple	In/Out	Immed	No	5006
03 Multiple	In/Out	Delay	No	5008
04 Multiple	In/Out	Delay	No	5027
05 Multiple	In/Out	Delay	No	5013

DESKTOP LINE APPEARANCE DEFINITION

KEY	TYPE	DIR	RING	SEC	DSS	EXT NUM	TRK NUM	LABEL
---	---	---	---	---	---	---	---	---
*01 Prime	In/Out	Immed	No					5008
02 Multiple	In/Out	None	No					5006
03 Multiple	In/Out	None	No					5027
04 Multiple	In/Out	None	No					5006
05 Multiple	In/Out	None	No					5013
06 Multiple	In/Out	None	No					5006
*01 Prime	In/Out	Immed	No					5009
02 Multiple	In/Out	Immed	No					5006



03	Multiple	In/Out	Delay	No	5008
04	Multiple	In/Out	Delay	No	5027
05	Multiple	In/Out	Delay	No	5013
*01	Prime	In/Out	Immed	No	5010
02	Multiple	In/Out	None	No	5006
03	Multiple	In/Out	None	No	5027
04	Multiple	In/Out	None	No	5013
*01	Prime	In/Out	Immed	No	5011
02	Multiple	In/Out	Immed	No	5006
03	Multiple	In/Out	Immed	No	5027
*01	Prime	In/Out	Immed	No	5173
*01	Prime	In/Out	Immed	No	5014
02	Multiple	In/Out	None	No	5017
*01	Prime	In/Out	Immed	No	5174
*01	Prime	In/Out	Immed	No	5017
02	Multiple	In/Out	None	No	5014
10	Paging				
12	Direct Page				
*01	Prime	In/Out	Immed	No	5204
*01	Prime	In/Out	Immed	No	5020
02	Multiple	In/Out	Delay	No	5019
05	Call Pickup				
*01	Prime	In/Out	Immed	No	5021
02	Multiple	In/Out	Delay	No	5019
05	Call Pickup				
*01	Prime	In/Out	Immed	No	5022
02	Multiple	In/Out	Delay	No	5019
05	Call Pickup				
*01	Prime	In/Out	Immed	No	5023
02	Multiple	In/Out	Immed	No	5019
03	Key	In/Out	Delay	No	5020
04	Multiple	In/Out	Immed	No	5019
05	Key	In/Out	Delay	No	5021
06	Multiple	In/Out	Immed	No	5019

DESKTOP LINE APPEARANCE DEFINITION

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KEY	TYPE	DIR	RING	SEC	DSS	EXT NUM	TRK NUM	LABEL
---	----	---	----	---	----	-----	-----	-----

07 Key	In/Out	Delay	No	5022
09 Key	In/Out	Delay	No	5024
*01 Prime	In/Out	Immed	No	5203
*01 Prime	In/Out	Immed	No	5028
02 Multiple	In/Out	Immed	No	5028
11 Night Answer				
*01 Prime	In/Out	Immed	No	5029
*01 Prime	In/Out	Immed	No	5030
02 Multiple	In/Out	Immed	No	5027
03 Multiple	In/Out	Immed	No	5006
04 Multiple	In/Out	None	No	5013
*01 Prime	In/Out	Immed	No	5031
02 Multiple	In/Out	Immed	No	5027
03 Multiple	In/Out	Delay	No	5006
04 Multiple	In/Out	Immed	No	5027
05 Multiple	In/Out	Delay	No	5013
06 Multiple	In/Out	Immed	No	5027
*01 Prime	In/Out	Immed	No	5032
*01 Prime	In/Out	Immed	No	5033
02 Multiple	In/Out	None	No	5027
03 Multiple	In/Out	Delay	No	5006
04 Multiple	In/Out	None	No	5013
*01 Prime	In/Out	Immed	No	5038
02 Multiple	In/Out	Immed	No	5037
*01 Prime	In/Out	Immed	No	5039
02 Multiple	In/Out	Immed	No	5037
*01 Prime	In/Out	Immed	No	5040
02 Multiple	In/Out	Immed	No	5037
*01 Prime	In/Out	Immed	No	5044
*01 Prime	In/Out	Immed	No	5048
02 Multiple	In/Out	Immed	No	5047
03 Multiple	In/Out	Immed	No	5048
*01 Prime	In/Out	Immed	No	5049
02 Multiple	In/Out	Immed	No	5047
14 Auto Answer				
*01 Prime	In/Out	Immed	No	5074
02 Multiple	In/Out	None	No	5065
*01 Prime	In/Out	Immed	No	5045

\*01 Prime In/Out Immed No 5046

DESKTOP LINE APPEARANCE DEFINITION

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KEY TYPE DIR RING SEC DSS EXT NUM TRK NUM LABEL  
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\*01 Prime In/Out Immed No 5190  
14 Direct Page

\*01 Prime In/Out Immed No 5058  
02 Multiple In/Out None No 5051

\*01 Prime In/Out Immed No 8270

\*01 Prime In/Out Immed No 5060  
02 Multiple In/Out None No 5051

\*01 Prime In/Out Immed No 5187

\*01 Prime In/Out Immed No 5066  
02 Multiple In/Out Immed No 5065  
03 Key In/Out None No 5075  
04 Multiple In/Out Immed No 5065  
05 Key In/Out None No 5067  
06 Multiple In/Out Immed No 5065  
07 Key In/Out None No 5071  
08 Key In/Out None No 5074  
09 Multiple In/Out None No 5066  
10 Key In/Out None No 5068  
11 Key In/Out None No 5079

\*01 Prime In/Out Immed No 5067  
02 Multiple In/Out None No 5065

\*01 Prime In/Out Immed No 5068  
02 Multiple In/Out Immed No 5065

\*01 Prime In/Out Immed No 5069  
02 Multiple In/Out Immed No 5065

\*01 Prime In/Out Immed No 5070  
02 Multiple In/Out Immed No 5065

\*01 Prime In/Out Immed No 5071  
02 Multiple In/Out None No 5065  
03 Multiple In/Out Immed No 5042  
04 Multiple In/Out Immed No 5047

05 Group Listen

*01 Prime	In/Out	Immed	No	5072
02 Multiple	In/Out	None	No	5065
*01 Prime	In/Out	Immed	No	5073
02 Multiple	In/Out	None	No	5065
*01 Prime	In/Out	Immed	No	5050
02 Multiple	In/Out	Immed	No	5047
*01 Prime	In/Out	Immed	No	5078
02 Multiple	In/Out	Immed	No	5077

DESKTOP LINE APPEARANCE DEFINITION

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KEY	TYPE	DIR	RING	SEC	DSS	EXT NUM	TRK NUM	LABEL
---	---	---	---	---	---	---	---	---
03	Key	In/Out	None	No		5079		
04	Multiple	In/Out	Immed	No		5077		
06	Multiple	In/Out	Immed	No		5077		
07	Key	In/Out	None	No		5081		
09	Key	In/Out	None	No		5083		
*01	Prime	In/Out	Immed	No		5079		
02	Multiple	In/Out	Delay	No		5077		
*01	Prime	In/Out	Immed	No		8105		
*01	Prime	In/Out	Immed	No		5081		
02	Multiple	In/Out	Delay	No		5077		
*01	Prime	In/Out	Immed	No		5077		
02	Multiple	In/Out	Immed	No		5077		
03	Key	In/Out	None	No		5079		
04	Multiple	In/Out	Immed	No		5077		
06	Multiple	In/Out	Immed	No		5077		
07	Key	In/Out	None	No		5081		
09	Key	In/Out	None	No		5083		
*01	Prime	In/Out	Immed	No		5083		
02	Multiple	In/Out	Delay	No		5077		
*01	Prime	In/Out	Immed	No		6030		
*01	Prime	In/Out	Immed	No		5082		
*01	Prime	In/Out	Immed	No		5088		

*01 Prime	In/Out	Immed	No	5089
*01 Prime	In/Out	Immed	No	5090
*01 Prime	In/Out	Immed	No	5091
*01 Prime	In/Out	Immed	No	5092
*01 Prime	In/Out	Immed	No	5093
*01 Prime	In/Out	Immed	No	5094
*01 Prime	In/Out	Immed	No	5095
*01 Prime	In/Out	Immed	No	5096
*01 Prime	In/Out	Immed	No	5097
*01 Prime	In/Out	Immed	No	5098
*01 Prime	In/Out	Immed	No	5099
*01 Prime	In/Out	Immed	No	5100

DESKTOP LINE APPEARANCE DEFINITION

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KEY	TYPE	DIR	RING	SEC	DSS	EXT NUM	TRK NUM	LABEL
---	----	---	----	----	----	-----	-----	-----
*01 Prime	In/Out	Immed	No			5101		
*01 Prime	In/Out	Immed	No			5102		
*01 Prime	In/Out	Immed	No			5103		
*01 Prime	In/Out	Immed	No			5104		
*01 Prime	In/Out	Immed	No			5105		
*01 Prime	In/Out	Immed	No			5106		
*01 Prime	In/Out	Immed	No			5107		
*01 Prime	In/Out	Immed	No			5108		
*01 Prime	In/Out	Immed	No			5109		
*01 Prime	In/Out	Immed	No			5110		

*01 Prime	In/Out	Immed	No	5111	
*01 Prime	In/Out	Immed	No	5112	
*01 Prime	In/Out	Immed	No	5113	
*01 Prime	In/Out	Immed	No	5114	
*01 Prime	In/Out	Immed	No	5115	
*01 Prime	In/Out	Immed	No	5116	
*01 Prime	In/Out	Immed	No	5117	
*01 Prime	In/Out	Immed	No	5118	
*01 Prime	In/Out	Immed	No	5119	
02 LDN		Immed		5273	SOCIAL SEVR
03 Multiple	In/Out	Immed	No	5232	
04 Recall		Immed			RECALL
05 Hold Pos					
07 Hold Pos					
09 Hold Pos					
11 Hold Pos					
14 Do Not Dist					

*01 Prime	In/Out	Immed	No	5120	
02 Key	In/Out	Immed	No	5321	
*01 Prime	In/Out	Immed	No	5121	
*01 Prime	In/Out	Immed	No	5122	
*01 Prime	In/Out	Immed	No	5123	

DESKTOP LINE APPEARANCE DEFINITION

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KEY	TYPE	DIR	RING	SEC	DSS	EXT NUM	TRK NUM	LABEL
---	---	---	---	---	---	---	---	---
*01 Prime	In/Out	Immed	No			5124		
*01 Prime	In/Out	Immed	No			5125		
*01 Prime	In/Out	Immed	No			5126		
*01 Prime	In/Out	Immed	No			5128		
*01 Prime	In/Out	Immed	No			5129		

*01 Prime	In/Out	Immed	No	5130
*01 Prime	In/Out	Immed	No	5131
*01 Prime	In/Out	Immed	No	5132
*01 Prime	In/Out	Immed	No	5133
*01 Prime	In/Out	Immed	No	5134
*01 Prime	In/Out	Immed	No	5135
12 Auto Answer				
*01 Prime	In/Out	Immed	No	6003
*01 Prime	In/Out	Immed	No	5137
*01 Prime	In/Out	Immed	No	5138
*01 Prime	In/Out	Immed	No	5139
*01 Prime	In/Out	Immed	No	5140
*01 Prime	In/Out	Immed	No	5141
*01 Prime	In/Out	Immed	No	5142
*01 Prime	In/Out	Immed	No	5143
*01 Prime	In/Out	Immed	No	5144
*01 Prime	In/Out	Immed	No	5145
*01 Prime	In/Out	Immed	No	5146
*01 Prime	In/Out	Immed	No	5147
*01 Prime	In/Out	Immed	No	5148
*01 Prime	In/Out	Immed	No	5149
*01 Prime	In/Out	Immed	No	5150
*01 Prime	In/Out	Immed	No	5151

DESKTOP LINE APPEARANCE DEFINITION

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KEY	TYPE	DIR	RING	SEC	DSS	EXT NUM	TRK NUM	LABEL
-----	------	-----	------	-----	-----	---------	---------	-------

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*01 Prime    In/Out Immed No    5152
*01 Prime    In/Out Immed No    5153
*01 Prime    In/Out Immed No    5154
*01 Prime    In/Out Immed No    5155
*01 Prime    In/Out Immed No    5156
*01 Prime    In/Out Immed No    5157
*01 Prime    In/Out Immed No    5158
*01 Prime    In/Out Immed No    5159
*01 Prime    In/Out Immed No    5160
*01 Prime    In/Out Immed No    5161
*01 Prime    In/Out Immed No    5162
*01 Prime    In/Out Immed No    5163
*01 Prime    In/Out Immed No    6031
*01 Prime    In/Out Immed No    5202
02 LDN          Immed      5273    SOCIAL SERV
03 Multiple    In/Out Immed No    5232
04 Recall      Immed          RECALL
05 Hold Pos
07 Hold Pos
09 Hold Pos
11 Hold Pos
14 Do Not Dist

*01 Prime    In/Out Immed No    5170
*01 Prime    In/Out Immed No    5127
*01 Prime    In/Out Immed No    5005
*01 Prime    In/Out Immed No    5018
*01 Prime    In/Out Immed No    5041
02 Multiple    In/Out Immed No    5037
*01 Prime    In/Out Immed No    5164
*01 Prime    In/Out Immed No    5165
*01 Prime    In/Out Immed No    5166

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\*01 Prime In/Out Immed No 5167

DESKTOP LINE APPEARANCE DEFINITION

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KEY	TYPE	DIR	RING	SEC	DSS	EXT NUM	TRK NUM	LABEL
---	---	---	---	---	---	---	---	---
*01	Prime	In/Out	Immed	No		5084		
*01	Prime	In/Out	Immed	No		5265		
*01	Prime	In/Out	Immed	No		5085		
*01	Prime	In/Out	Immed	No		5086		
*01	Prime	In/Out	Immed	No		5035		
*01	Prime	In/Out	Immed	No		5198		
03	Multiple	In/Out	Delay	No		5192		
05	Multiple	In/Out	Delay	No		5192		
*01	Prime	In/Out	Immed	No		5176		
02	Multiple	In/Out	None	No		5175		
*01	Prime	In/Out	Immed	No		5177		
02	Multiple	In/Out	None	No		5175		
*01	Prime	In/Out	Immed	No		5178		
02	Multiple	In/Out	None	No		5175		
*01	Prime	In/Out	Immed	No		5179		
02	Multiple	In/Out	None	No		5175		
*01	Prime	In/Out	Immed	No		5180		
02	Multiple	In/Out	None	No		5175		
*01	Prime	In/Out	Immed	No		5181		
02	Multiple	In/Out	None	No		5175		
*01	Prime	In/Out	Immed	No		5182		
02	Multiple	In/Out	None	No		5175		
*01	Prime	In/Out	Immed	No		5183		
02	Multiple	In/Out	None	No		5175		
*01	Prime	In/Out	Immed	No		6000		
*01	Prime	In/Out	Immed	No		5185		

*01 Prime	In/Out	Immed	No	5234
*01 Prime	In/Out	Immed	No	5175
02 Multiple	In/Out	Immed	No	5175
*01 Prime	In/Out	Immed	No	5186
*01 Prime	In/Out	Immed	No	5193
02 Multiple	In/Out	Delay	No	5192
04 Multiple	In/Out	Delay	No	5192
06 Multiple	In/Out	Delay	No	5192
*01 Prime	In/Out	Immed	No	5194

DESKTOP LINE APPEARANCE DEFINITION

KEY	TYPE	DIR	RING	SEC	DSS	EXT NUM	TRK NUM	LABEL
02 Multiple	In/Out	Delay	No	5192				
*01 Prime	In/Out	Immed	No	5195				
02 Multiple	In/Out	Delay	No	5192				
*01 Prime	In/Out	Immed	No	5196				
02 Multiple	In/Out	Delay	No	5192				
*01 Prime	In/Out	Immed	No	5197				
02 Multiple	In/Out	Delay	No	5192				
*01 Prime	In/Out	Immed	No	5136				
*01 Prime	In/Out	Immed	No	5277				
*01 Prime	In/Out	Immed	No	8223				
*01 Prime	In/Out	Immed	No	6006				
*01 Prime	In/Out	Immed	No	5192				
03 Multiple	In/Out	Immed	No	5192				
05 Multiple	In/Out	Immed	No	5192				
*01 Prime	In/Out	Immed	No	6007				
*01 Prime	In/Out	Immed	No	5199				
02 Multiple	In/Out	Delay	No	5192				
*01 Prime	In/Out	Immed	No	5206				
02 Multiple	In/Out	Immed	No	4352				

04	Multiple	In/Out	Immed	No	4352
06	Multiple	In/Out	Immed	No	4352
*01	Prime	In/Out	Immed	No	5225
02	Multiple	In/Out	Delay	No	4352
*01	Prime	In/Out	Immed	No	5207
02	Multiple	In/Out	Delay	No	4352
*01	Prime	In/Out	Immed	No	5208
02	Multiple	In/Out	Delay	No	4352
*01	Prime	In/Out	Immed	No	5209
02	Multiple	In/Out	Delay	No	4352
*01	Prime	In/Out	Immed	No	5210
02	Multiple	In/Out	Delay	No	4352
*01	Prime	In/Out	Immed	No	5211
02	Multiple	In/Out	Delay	No	4352
*01	Prime	In/Out	Immed	No	5212
02	Multiple	In/Out	Delay	No	4352
*01	Prime	In/Out	Immed	No	5213

DESKTOP LINE APPEARANCE DEFINITION

-----

KEY	TYPE	DIR	RING	SEC	DSS	EXT NUM	TRK NUM	LABEL
---	----	---	----	---	-----	-----	-----	-----
02	Multiple	In/Out	Delay	No		4352		
*01	Prime	In/Out	Immed	No		5214		
*01	Prime	In/Out	Immed	No		5215		
02	Multiple	In/Out	Delay	No		4352		
*01	Prime	In/Out	Immed	No		5216		
02	Multiple	In/Out	Delay	No		4352		
*01	Prime	In/Out	Immed	No		6008		
*01	Prime	In/Out	Immed	No		6009		
*01	Prime	In/Out	Immed	No		6010		
*01	Prime	In/Out	Immed	No		6011		
*01	Prime	In/Out	Immed	No		6012		

*01 Prime	In/Out	Immed	No	6013
*01 Prime	In/Out	Immed	No	5233
*01 Prime	In/Out	Immed	No	5217
*01 Prime	In/Out	Immed	No	5218
*01 Prime	In/Out	Immed	No	5219
*01 Prime	In/Out	Immed	No	5220
*01 Prime	In/Out	Immed	No	5221
*01 Prime	In/Out	Immed	No	5222
*01 Prime	In/Out	Immed	No	5223
*01 Prime	In/Out	Immed	No	6014
*01 Prime	In/Out	Immed	No	6015
*01 Prime	In/Out	Immed	No	6016
*01 Prime	In/Out	Immed	No	6017
*01 Prime	In/Out	Immed	No	6018
*01 Prime	In/Out	Immed	No	6019
*01 Prime	In/Out	Immed	No	6020
*01 Prime	In/Out	Immed	No	6021
*01 Prime	In/Out	Immed	No	5224

DESKTOP LINE APPEARANCE DEFINITION

-----

KEY	TYPE	DIR	RING	SEC	DSS	EXT NUM	TRK NUM	LABEL
---	---	---	---	---	---	---	---	---
*01 Prime	In/Out	Immed	No					5226
02 Multiple	In/Out	Delay	No					4352
*01 Prime	In/Out	Immed	No					6024
*01 Prime	In/Out	Immed	No					6025

*01 Prime	In/Out	Immed	No	6026
*01 Prime	In/Out	Immed	No	6027
*01 Prime	In/Out	Immed	No	6028
*01 Prime	In/Out	Immed	No	6029
*01 Prime	In/Out	Immed	No	5016
02 Multiple	In/Out	None	No	5014
*01 Prime	In/Out	Immed	No	8888
*01 Prime	In/Out	Immed	No	6033
*01 Prime	In/Out	Immed	No	6032
*01 Prime	In/Out	Immed	No	5052
*01 Prime	In/Out	Immed	No	5054
02 Multiple	In/Out	None	No	5051
*01 Prime	In/Out	Immed	No	5053
02 Multiple	In/Out	Immed	No	5051
04 Multiple	In/Out	Immed	No	5051
06 Multiple	In/Out	Immed	No	5051
*01 Prime	In/Out	Immed	No	5062
02 Multiple	In/Out	None	No	5051
*01 Prime	In/Out	Immed	No	5063
02 Multiple	In/Out	None	No	5051
*01 Prime	In/Out	Immed	No	5061
*01 Prime	In/Out	Immed	No	5025
*01 Prime	In/Out	Immed	No	5026
02 Multiple	In/Out	None	No	5051
*01 Prime	In/Out	Immed	No	5015
*01 Prime	In/Out	Immed	No	5076
*01 Prime	In/Out	Immed	No	5168
02 Multiple	In/Out	None	No	5051

DESKTOP LINE APPEARANCE DEFINITION

-----

KEY	TYPE	DIR	RING	SEC	DSS	EXT NUM	TRK NUM	LABEL
---	---	---	---	---	---	---	---	---
*01	Prime	In/Out	Immed	No		5169		
02	Multiple	In/Out	Immed	No		5051		
*01	Prime	In/Out	Immed	No		5055		
02	Multiple	In/Out	None	No		5051		
*01	Prime	In/Out	Immed	No		5057		
02	Multiple	In/Out	None	No		5051		
*01	Prime	In/Out	Immed	No		5059		
02	Multiple	In/Out	None	No		5051		
*01	Prime	In/Out	Immed	No		5012		
*01	Prime	In/Out	Immed	No		5043		
*01	Prime	In/Out	Immed	No		5064		
*01	Prime	In/Out	Immed	No		5056		
02	Multiple	In/Out	Delay	No		5051		
*01	Prime	In/Out	Immed	No		8180		
*01	Prime	In/Out	Immed	No		5270		
*01	Prime	In/Out	Immed	No		5271		
*01	Prime	In/Out	Immed	No		5272		
*01	Prime	In/Out	Immed	No		5087		
*01	Prime	In/Out	Immed	No		5274		
*01	Prime	In/Out	Immed	No		5275		
*01	Prime	In/Out	Immed	No		5276		
*01	Prime	In/Out	Immed	No		5278		
*01	Prime	In/Out	Immed	No		5279		
*01	Prime	In/Out	Immed	No		5280		
*01	Prime	In/Out	Immed	No		5281		
*01	Prime	In/Out	Immed	No		5282		
*01	Prime	In/Out	Immed	No		5283		
*01	Prime	In/Out	Immed	No		5284		

\*01 Prime In/Out Immed No 5285  
 \*01 Prime In/Out Immed No 5286

DESKTOP LINE APPEARANCE DEFINITION

-----

KEY	TYPE	DIR	RING	SEC	DSS	EXT NUM	TRK NUM	LABEL
---	---	---	---	---	---	---	---	---
*01	Prime	In/Out	Immed	No		5287		
*01	Prime	In/Out	Immed	No		5288		
*01	Prime	In/Out	Immed	No		5289		
*01	Prime	In/Out	Immed	No		5290		
*01	Prime	In/Out	Immed	No		5291		
02	Multiple	In/Out	Immed	No		5292		
05	Night Answer							
*01	Prime	In/Out	Immed	No		5047		
02	Multiple	In/Out	Immed	No		5048		
03	Multiple	In/Out	Immed	No		5049		
04	Multiple	In/Out	Immed	No		5050		
05	Multiple	In/Out	Immed	No		5042		
*01	Prime	In/Out	Immed	No		5075		
02	Multiple	In/Out	Delay	No		5065		
*01	Prime	In/Out	Immed	No		5256		
*01	Prime	In/Out	Immed	No		5257		
*01	Prime	In/Out	Immed	No		5258		
*01	Prime	In/Out	Immed	No		5259		
*01	Prime	In/Out	Immed	No		5260		
*01	Prime	In/Out	Immed	No		5261		
*01	Prime	In/Out	Immed	No		5262		
*01	Prime	In/Out	Immed	No		5263		
*01	Prime	In/Out	Immed	No		5266		
*01	Prime	In/Out	Immed	No		5267		

*01 Prime	In/Out	Immed	No	5268
*01 Prime	In/Out	Immed	No	5269
*01 Prime	In/Out	Immed	No	5901
*01 Prime	In/Out	Immed	No	5902
*01 Prime	In/Out	Immed	No	5903
*01 Prime	In/Out	Immed	No	5904
*01 Prime	In/Out	Immed	No	5905

DESKTOP LINE APPEARANCE DEFINITION

-----

KEY	TYPE	DIR	RING	SEC	DSS	EXT NUM	TRK NUM	LABEL
---	---	---	---	---	---	---	---	---
*01 Prime	In/Out	Immed	No					5906
*01 Prime	In/Out	Immed	No					5907
*01 Prime	In/Out	Immed	No					5908
*01 Prime	In/Out	Immed	No					5909
*01 Prime	In/Out	Immed	No					5910
*01 Prime	In/Out	Immed	No					5911
*01 Prime	In/Out	Immed	No					5912
*01 Prime	In/Out	Immed	No					5024
02 Multiple	In/Out	Delay	No					5019
05 Call Pickup								
*01 Prime	In/Out	Immed	No					5293
*01 Prime	In/Out	Immed	No					5191
*01 Prime	In/Out	Immed	No					5042
02 Multiple	In/Out	Immed	No					5047
13 Direct Page								
14 Paging								
*01 Prime	In/Out	Immed	No					5080
02 Multiple	In/Out	None	No					5013



03	Multiple	In/Out	None	No	5006
04	Multiple	In/Out	None	No	5027
*01	Prime	In/Out	Immed	No	5036
*01	Prime	In/Out	Immed	No	5013
02	Multiple	In/Out	None	No	5006
03	Multiple	In/Out	None	No	5027

PAGING GROUPS

-----

[PAGING GROUP : 01] [     ] EXTN BAY SLT CCT COMMENTS

-----

5048	03	03	10
5050	03	06	08
5047	07	02	11
5049	03	03	11
5003	03	01	03

IP DESKTOP DEVICES

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\*\*\*\*\* CDE DATA PRINT OPTION 9\*\*\* FORM IS EMPTY \*\*\*\*\*

PICKUP GROUPS

-----

[PICKUP GRP 01:     ] EXT NUM BAY SLT CCT COMMENTS

-----

8151	02	02	09
8150	02	02	07

PICKUP GROUPS

-----

[PICKUP GRP 02:     ] EXT NUM BAY SLT CCT COMMENTS

-----

5024	07	05	01
------	----	----	----

5023 03 02 07  
 5022 03 02 06  
 5021 03 02 05  
 5020 03 02 04

DATA CIRCUIT DESCRIPTOR

```

-----
[ DESCRIPTOR NUMBER : 1 ] PARAMETER                VALUE
-----
Session Inactivity Disconnect Timer 0 - 255 minutes      0
Guard Timer                0 - 99 seconds                2
Minimum Baud Rate          110
Default Baud Rate          9600
Maximum Baud Rate         19200
Always Use Default Baud Rate When Called                NO
DTR Off Disconnect Timer  0 - 99 seconds                5
DTR To CTS Delay Timer    0 - 9900 msec ( 100 msec inc ) 100
DTR Forced High           NO
RTS Forced High           NO
DSR Is Held High When Device Is Idle                   YES
CTS Is Held High When Device Is Idle                   YES
Originate A DTRX Call With A Low->High Transition of DTR NO
Action Taken If The Idle DTE Has DTR Low ( Auto Answer ) REFUSE
Pooled Modem Communication Established Indicator        DCD
First Modem Tone ( 2025 Hz, 2100 Hz, 2225 Hz )        2025 Hz
Second Modem Tone ( 2025 Hz, 2100 Hz, 2225 Hz )       2225 Hz
ASYNC: Keyboard Origination Allowed ( Auto Baud )      YES
ASYNC: ADL Auto Baud                                     NO
ASYNC: Flow Control                                     XON/OFF
ASYNC: XON Character ( 0 - 127, decimal value of ASCII code ) 17
ASYNC: XOFF Character ( 0 - 127, decimal value of ASCII code ) 19
ASYNC: Break Key Function                               SYS ATT
ASYNC: PBX Attention Character ( 0 - 127 )             4
ASYNC: Parity                                           ODD
ASYNC: Character Length ( 7 - 8 ; 8 bits implies no parity ) 7
ASYNC: Number of Stop Bits ( 1 - 2 )                   1
ASYNC: Autobaud To Host Character 1 ( 0 - 127 )        13
ASYNC: Autobaud To Host Character 2 ( 0 - 127 )        0
ASYNC: Delay Between Autobaud Characters 0-1270 msec (10msec inc) 100
DS2100: Operating Mode ( ASYNC, SYNC )                 ASYNC.
SYNC: Rate Adaptation Scheme ( MiNET, X.31 )          MiNET
SYNC: Clock Source ( INTERNAL, SYSTEM, TX EXT, TX & RX EXT ) INTERNAL
  
```

DATA CIRCUIT DESCRIPTOR

[ DESCRIPTOR NUMBER : 2 ]	PARAMETER	VALUE
-----	-----	-----
	Session Inactivity Disconnect Timer 0 - 255 minutes	0
	Guard Timer 0 - 99 seconds	2
	Minimum Baud Rate	110
	Default Baud Rate	9600
	Maximum Baud Rate	19200
	Always Use Default Baud Rate When Called	NO
	DTR Off Disconnect Timer 0 - 99 seconds	5
	DTR To CTS Delay Timer 0 - 9900 msec ( 100 msec inc )	100
	DTR Forced High	NO
	RTS Forced High	NO
	DSR Is Held High When Device Is Idle	YES
	CTS Is Held High When Device Is Idle	YES
	Originate A DTRX Call With A Low->High Transition of DTR	NO
	Action Taken If The Idle DTE Has DTR Low ( Auto Answer )	REFUSE
	Pooled Modem Communication Established Indicator	DCD
	First Modem Tone ( 2025 Hz, 2100 Hz, 2225 Hz )	2025 Hz
	Second Modem Tone ( 2025 Hz, 2100 Hz, 2225 Hz )	2225 Hz
	ASYNC: Keyboard Origination Allowed ( Auto Baud )	YES
	ASYNC: ADL Auto Baud	NO
	ASYNC: Flow Control	XON/OFF
	ASYNC: XON Character ( 0 - 127, decimal value of ASCII code )	17
	ASYNC: XOFF Character ( 0 - 127, decimal value of ASCII code )	19
	ASYNC: Break Key Function	SYS ATT
	ASYNC: PBX Attention Character ( 0 - 127 )	4
	ASYNC: Parity	ODD
	ASYNC: Character Length ( 7 - 8 ; 8 bits implies no parity )	7
	ASYNC: Number of Stop Bits ( 1 - 2 )	1
	ASYNC: Autobaud To Host Character 1 ( 0 - 127 )	13
	ASYNC: Autobaud To Host Character 2 ( 0 - 127 )	0
	ASYNC: Delay Between Autobaud Characters 0-1270 msec (10msec inc)	100
	DS2100: Operating Mode ( ASYNC, SYNC )	ASYNC.
	SYNC: Rate Adaptation Scheme ( MiNET, X.31 )	MiNET
	SYNC: Clock Source ( INTERNAL, SYSTEM, TX EXT, TX & RX EXT )	INTERNAL

DATA CIRCUIT DESCRIPTOR

[ DESCRIPTOR NUMBER : 3 ]	PARAMETER	VALUE
-----	-----	-----
	Session Inactivity Disconnect Timer 0 - 255 minutes	0
	Guard Timer 0 - 99 seconds	2
	Minimum Baud Rate	110
	Default Baud Rate	9600
	Maximum Baud Rate	19200
	Always Use Default Baud Rate When Called	NO
	DTR Off Disconnect Timer 0 - 99 seconds	5
	DTR To CTS Delay Timer 0 - 9900 msec ( 100 msec inc )	100
	DTR Forced High	NO

```

RTS Forced High                      NO
DSR Is Held High When Device Is Idle  YES
CTS Is Held High When Device Is Idle  YES
Originate A DTRX Call With A Low->High Transition of DTR  NO
Action Taken If The Idle DTE Has DTR Low ( Auto Answer )  REFUSE
Pooled Modem Communication Established Indicator           DCD
First Modem Tone ( 2025 Hz, 2100 Hz, 2225 Hz )          2025 Hz
Second Modem Tone ( 2025 Hz, 2100 Hz, 2225 Hz )         2225 Hz
ASYNC: Keyboard Origination Allowed ( Auto Baud )        YES
ASYNC: ADL Auto Baud                                    NO
ASYNC: Flow Control                                     XON/OFF
ASYNC: XON Character ( 0 - 127, decimal value of ASCII code )  17
ASYNC: XOFF Character ( 0 - 127, decimal value of ASCII code )  19
ASYNC: Break Key Function                               SYS ATT
ASYNC: PBX Attention Character ( 0 - 127 )              4
ASYNC: Parity                                           ODD
ASYNC: Character Length ( 7 - 8 ; 8 bits implies no parity )  7
ASYNC: Number of Stop Bits ( 1 - 2 )                   1
ASYNC: Autobaud To Host Character 1 ( 0 - 127 )         13
ASYNC: Autobaud To Host Character 2 ( 0 - 127 )         0
ASYNC: Delay Between Autobaud Characters 0-1270 msec (10msec inc)  100
DS2100: Operating Mode ( ASYNC, SYNC )                 ASYNC.
SYNC: Rate Adaptation Scheme ( MiNET, X.31 )          MiNET
SYNC: Clock Source ( INTERNAL, SYSTEM, TX EXT, TX & RX EXT )  INTERNAL

```

DATA CIRCUIT DESCRIPTOR REVIEW

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\*\*\*\*\* CDE DATA PRINT OPTION 11\* FORM IS EMPTY \*\*\*\*\*

DATA ASSIGNMENT TABLE

-----

BAY SLT CCT TYPE TEN EXT NUM COS COR CDN DTE AVL HOTLINE COMMENTS

-----

```

1 01 01
1 01 02
1 01 03
1 01 04
1 01 05
1 01 06
1 01 07
1 01 08
1 01 11
1 01 12
1 02 01
1 02 02

```

1 02 03  
1 02 04  
1 02 05  
1 02 06  
1 02 07  
1 02 08  
1 02 09  
1 02 10  
1 02 11  
1 02 12  
1 05 01  
1 05 02  
1 05 03  
1 05 04  
1 05 05  
1 05 06  
1 05 07  
1 05 08  
1 05 09  
1 05 10  
1 05 11  
1 05 12  
2 01 01  
2 01 02  
2 01 04  
2 01 05  
2 01 06  
2 01 07  
2 01 08  
2 01 09  
2 01 10  
2 01 11  
2 02 01  
2 02 02  
2 02 03  
2 02 04  
2 02 05  
2 02 06  
2 02 07  
2 02 09  
2 02 10  
2 02 11  
2 02 12

DATA ASSIGNMENT TABLE

-----

BAY SLT CCT TYPE TEN EXT NUM COS COR CDN DTE AVL HOTLINE COMMENTS

-----

2 03 01

2 03 02  
2 03 03  
2 03 04  
2 03 05  
2 03 06  
2 03 07  
2 03 08  
2 03 09  
2 03 10  
2 03 11  
2 03 12  
2 04 01  
2 04 03  
2 04 04  
2 04 05  
2 04 06  
2 04 07  
2 04 08  
2 04 09  
2 04 10  
2 04 11  
2 04 12  
2 05 01  
2 05 02  
2 05 03  
2 05 04  
2 05 05  
2 05 07  
2 05 08  
2 05 11  
2 05 12  
2 08 01  
2 08 02  
2 08 03  
2 08 04  
2 08 05  
2 08 06  
2 08 07  
2 08 09  
2 08 10  
2 08 11  
2 08 12  
3 01 01  
3 01 02  
3 01 03  
3 01 04  
3 01 05  
3 01 06  
3 01 07  
3 01 08  
3 01 09  
3 01 10  
3 01 11  
3 01 12

DATA ASSIGNMENT TABLE

-----

BAY SLT CCT TYPE TEN EXT NUM COS COR CDN DTE AVL HOTLINE COMMENTS

-----

3 02 01  
3 02 02  
3 02 03  
3 02 04  
3 02 05  
3 02 06  
3 02 07  
3 02 08  
3 02 09  
3 02 10  
3 02 11  
3 02 12  
3 03 01  
3 03 02  
3 03 03  
3 03 04  
3 03 05  
3 03 06  
3 03 07  
3 03 08  
3 03 09  
3 03 10  
3 03 11  
3 03 12  
3 04 01  
3 04 02  
3 04 03  
3 04 04  
3 04 05  
3 04 06  
3 04 08  
3 04 09  
3 04 10  
3 04 11  
3 04 12  
3 06 01  
3 06 02  
3 06 03  
3 06 04  
3 06 05  
3 06 06  
3 06 07  
3 06 08  
3 06 09

3 06 10  
3 06 11  
3 06 12  
3 07 01  
3 07 02  
3 07 03  
3 07 04  
3 07 05  
3 07 06  
3 07 07  
3 07 08

DATA ASSIGNMENT TABLE

-----

BAY SLT CCT TYPE TEN EXT NUM COS COR CDN DTE AVL HOTLINE COMMENTS

-----

3 07 09  
3 07 10  
3 07 11  
3 07 12  
4 01 01  
4 01 02  
4 01 03  
4 01 04  
4 01 05  
4 01 06  
4 01 07  
4 01 08  
4 01 09  
4 01 10  
4 01 11  
4 01 12  
4 02 01  
4 02 02  
4 02 03  
4 02 04  
4 02 05  
4 02 06  
4 02 07  
4 02 08  
4 02 09  
4 02 10  
4 02 11  
4 02 12  
4 03 01  
4 03 02  
4 03 03  
4 03 04  
4 03 05



4 03 06  
4 03 07  
4 03 08  
4 03 09  
4 03 10  
4 03 11  
4 03 12  
4 04 01  
4 04 02  
4 04 03  
4 04 04  
4 04 05  
4 04 06  
4 04 07  
4 04 08  
4 04 09  
4 04 10  
4 04 11  
4 05 01  
4 05 02  
4 05 03  
4 05 04

DATA ASSIGNMENT TABLE

-----

BAY SLT CCT TYPE TEN EXT NUM COS COR CDN DTE AVL HOTLINE COMMENTS

-----

4 05 05  
4 05 06  
4 05 07  
4 05 08  
4 05 09  
4 05 10  
4 05 11  
4 05 12  
4 06 01  
4 06 02  
4 06 03  
4 06 04  
4 06 05  
4 06 06  
4 06 07  
4 06 08  
4 06 09  
4 06 10  
4 06 11  
4 06 12  
4 08 01  
4 08 02

4 08 03  
4 08 04  
4 08 05  
4 08 06  
4 08 07  
4 08 08  
4 08 09  
4 08 10  
4 08 11  
4 08 12  
5 01 01  
5 01 02  
5 01 03  
5 01 04  
5 01 05  
5 01 06  
5 01 07  
5 01 08  
5 01 09  
5 01 10  
5 01 11  
5 01 12  
5 02 01  
5 02 02  
5 02 03  
5 02 04  
5 02 05  
5 02 06  
5 02 07  
5 02 08  
5 02 09  
5 02 10  
5 02 11

DATA ASSIGNMENT TABLE

-----

BAY SLT CCT TYPE TEN EXT NUM COS COR CDN DTE AVL HOTLINE COMMENTS

-----

5 02 12  
5 03 01  
5 03 02  
5 03 03  
5 03 04  
5 03 05  
5 03 06  
5 03 07  
5 03 08  
5 03 09  
5 03 10

5 03 11  
5 03 12  
5 04 01  
5 04 02  
5 04 03  
5 04 04  
5 04 05  
5 04 06  
5 04 07  
5 04 08  
5 04 09  
5 04 10  
5 04 11  
5 04 12  
5 05 01  
5 05 02  
5 05 03  
5 05 04  
5 05 05  
5 05 06  
5 05 07  
5 05 08  
5 05 09  
5 05 10  
5 05 11  
5 05 12  
5 08 01  
5 08 02  
5 08 03  
5 08 04  
5 08 05  
5 08 06  
5 08 07  
5 08 08  
5 08 09  
5 08 10  
5 08 11  
5 08 12  
6 01 01  
6 01 02  
6 01 03  
6 01 04  
6 01 05  
6 01 06

DATA ASSIGNMENT TABLE

-----

BAY SLT CCT TYPE TEN EXT NUM COS COR CDN DTE AVL HOTLINE COMMENTS

-----

6 01 07  
6 01 08  
6 01 09  
6 01 10  
6 01 11  
6 01 12  
6 02 01  
6 02 02  
6 02 03  
6 02 04  
6 02 05  
6 02 06  
6 02 07  
6 02 08  
6 02 09  
6 02 10  
6 02 11  
6 02 12  
7 01 01  
7 01 02  
7 01 03  
7 01 04  
7 01 05  
7 01 06  
7 01 07  
7 01 08  
7 01 09  
7 01 10  
7 01 11  
7 01 12  
7 02 01  
7 02 02  
7 02 03  
7 02 04  
7 02 05  
7 02 06  
7 02 07  
7 02 09  
7 02 10  
7 02 11  
7 02 12  
7 03 01  
7 03 02  
7 03 03  
7 03 04  
7 03 05  
7 03 06  
7 03 07  
7 03 08  
7 03 09  
7 03 10  
7 03 11  
7 03 12  
7 04 01

DATA ASSIGNMENT TABLE

-----

BAY SLT CCT TYPE TEN EXT NUM COS COR CDN DTE AVL HOTLINE COMMENTS

-----

7 04 03  
 7 04 04  
 7 04 05  
 7 04 06  
 7 04 07  
 7 04 08  
 7 04 09  
 7 04 10  
 7 04 11  
 7 04 12  
 7 05 01  
 7 05 02  
 7 05 03  
 7 05 04  
 7 05 05  
 7 05 06  
 7 05 07  
 7 05 08  
 7 05 09  
 7 05 10  
 7 05 11  
 7 05 12

TRUNK CIRCUIT DESCRIPTOR

-----

[ 6 CCT CO TRUNK: 1 ] OPTION NAME STATUS

-----

Reverse to Idle	NO	
Far-end gives answer supervision		NO
Inhibit automatic supervision		NO
No seize alarm	NO	
No release alarm	NO	
Toll office	NO	
Is this a CO	NO	
DTMF	YES	
Save Busy-Out Status		YES
Impedance	COMPLEX	
Post call metering	0 - 15 seconds	0

Calling party disconnect timer	1 - 12 minutes	5
Dictation trunk	NO	
Ignore remote disconnect	NO	
Disconnect timer	100 - 9900 ms ( 100 ms inc )	500
Supervision direction: incoming trunk calls also	NO	
Guard timer	0 - 3000 ms ( 100 ms inc )	800
Ring cycle timer	6 - 10 seconds	6
Ignore line reversal during seizure	YES	
Ringing expected	YES	
Ringing debounce timer	5 - 12 seconds	6
Seize timer	10 - 60 s ( 10 s inc )	60
Flash timer	200 - 700 ms ( 100 ms inc )	300
Flash type	LOOP FSH	
Flash over trunk	YES	
Interdigit timer	300 - 800 ms ( 100 ms inc )	800
Digit outputing ratio	60/40	
Direct access on CO Line Keys: bypass Key System Toll Control	NO	

TRUNK CIRCUIT DESCRIPTOR

[ T1 DID/TIE : 2 ] OPTION NAME	STATUS
Reverse to Idle	NO
Far-end gives answer supervision	YES
Inhibit automatic supervision	NO
No seize alarm	NO
No release alarm	NO
Toll office	NO
Is this a CO	NO
DTMF	YES
Save Busy-Out Status	YES
Disconnect timer	150 - 900 ms ( 50 ms inc ) 950
Release acknowledge timer	2 - 120 seconds 20
Guard timer	200 - 1000 ms ( 100 ms inc ) 200
Incoming start type	WINK
Debounce timer	20 - 150 ms ( 10 ms inc ) 40
Wink timer	150 - 300 ms ( 50 ms inc ) 200
Outgoing start type	WINK
Digit outputing ratio	60/40
Outpulse delay timer	100 - 2000 ms ( 100 ms inc ) 800
Flash timer	200 - 700 ms ( 100 ms inc ) 300
Flash type	LOOP FSH
Flash over trunk	YES
Interdigit timer	300 - 800 ms ( 100 ms inc ) 800
Wait for delay timer	300 - 5000 ms ( 100 ms inc ) 5000
Remote end is a satellite	NO
Remote end is a satellite with OPS lines	NO
Direct access on CO Line Keys: bypass Key System Toll Control	NO
QSIG Supplementary Services	NO

TRUNK CIRCUIT DESCRIPTOR

```

-----
[ 8 CCT LS CLASS: 3 ] OPTION NAME          STATUS
-----
Reverse to Idle                            NO
Far-end gives answer supervision            NO
Inhibit automatic supervision              NO
No seize alarm                             NO
No release alarm                           NO
Toll office                                NO
Is this a CO                               YES
Save Busy-Out Status                       YES
Impedance                                  COMPLEX
Post call metering      0 - 15 seconds      0
Calling party disconnect timer  1 - 12 minutes  5
Ignore remote disconnect                NO
Disconnect timer      100 - 9900 ms ( 100 ms inc )  500
Supervision direction: incoming trunk calls also  NO
Guard timer          0 - 3000 ms ( 100 ms inc )  800
Class trunk                                                  NO
Ring cycle timer      6 - 10 seconds          6
Ignore line reversal during seizure          YES
Ringing expected                                           NO
Ringing debounce timer      5 - 12 seconds      6
Seize timer              10 - 60 s ( 10 s inc )  60
Flash timer              200 - 700 ms ( 100 ms inc )  300
Flash over trunk                                                  NO
Direct access on CO Line Keys: bypass Key System Toll Control  NO

```

TRUNK CIRCUIT DESCRIPTOR

```

-----
[ 6 CCT CO TRUNK: 4 ] OPTION NAME          STATUS
-----
Reverse to Idle                            NO
Far-end gives answer supervision            NO
Inhibit automatic supervision              NO
No seize alarm                             NO
No release alarm                           NO
Toll office                                NO
Is this a CO                               YES
DTMF                                        NO
Save Busy-Out Status                       YES
Impedance                                  COMPLEX
Post call metering      0 - 15 seconds      0
Calling party disconnect timer  1 - 12 minutes  5
Dictation trunk                                                  NO

```

Ignore remote disconnect		NO	
Disconnect timer	100 - 9900 ms ( 100 ms inc )	500	
Supervision direction: incoming trunk calls also		NO	
Guard timer	0 - 3000 ms ( 100 ms inc )	800	
Ring cycle timer	6 - 10 seconds	6	
Ignore line reversal during seizure		YES	
Ringling expected		NO	
Ringling debounce timer	5 - 12 seconds	6	
Seize timer	10 - 60 s ( 10 s inc )	60	
Flash timer	200 - 700 ms ( 100 ms inc )	300	
Flash type		LOOP FSH	
Flash over trunk		NO	
Interdigit timer	300 - 800 ms ( 100 ms inc )	800	
Digit outpulsing ratio		60/40	
Direct access on CO Line Keys: bypass Key System Toll Control			NO

TRUNK CIRCUIT DESCRIPTOR

-----

[ 6 CCT CO TRUNK: 5 ]	OPTION NAME		STATUS
-----	-----		
	Reverse to Idle	NO	
	Far-end gives answer supervision		NO
	Inhibit automatic supervision		NO
	No seize alarm	NO	
	No release alarm	NO	
	Toll office	NO	
	Is this a CO	YES	
	DTMF	NO	
	Save Busy-Out Status		YES
	Impedance		COMPLEX
	Post call metering	0 - 15 seconds	0
	Calling party disconnect timer	1 - 12 minutes	5
	Dictation trunk	NO	
	Ignore remote disconnect		NO
	Disconnect timer	100 - 9900 ms ( 100 ms inc )	500
	Supervision direction: incoming trunk calls also		NO
	Guard timer	0 - 3000 ms ( 100 ms inc )	800
	Ring cycle timer	6 - 10 seconds	6
	Ignore line reversal during seizure		YES
	Ringling expected		NO
	Ringling debounce timer	5 - 12 seconds	6
	Seize timer	10 - 60 s ( 10 s inc )	60
	Flash timer	200 - 700 ms ( 100 ms inc )	300
	Flash type		LOOP FSH
	Flash over trunk		NO
	Interdigit timer	300 - 800 ms ( 100 ms inc )	800
	Digit outpulsing ratio		60/40
	Direct access on CO Line Keys: bypass Key System Toll Control		NO



TRUNK CIRCUIT DESCRIPTOR REVIEW

-----

[ 6 CCT CO TRUNK: 1 ]	TRK	NUM	BAY	SLT	CCT	COMMENTS
-----	----	---	---	---	-----	
	25	1	3	6	968-7201	
	99	1	3	1	9686236	
	26	1	3	2	9686267	
	27	1	3	3	9687123	
	28	1	3	4	9686302	
	29	1	3	5	Sauk Rapid Fire	

TRUNK CIRCUIT DESCRIPTOR REVIEW

-----

[ T1 DID/TIE : 2 ]	TRK	NUM	BAY	SLT	CCT	COMMENTS
-----	----	---	---	---	-----	
	1	2	6	1	Sheriff dial 9	
	2	2	6	2	2-WAY	
	3	2	6	3	2-WAY	
	4	2	6	4	2-WAY	
	5	2	6	5	2-WAY	
	6	2	6	6	2-WAY	
	7	2	6	7	2-WAY	
	8	2	6	8	2-WAY	
	9	2	6	9	2-WAY	
	10	2	6	10	sheriff dial 9	
	11	2	6	11		
	12	2	6	12	2-WAY	
	13	2	6	13	2-WAY	
	14	2	6	14	2-WAY	
	21	2	6	21		
	22	2	6	22		
	123	2	6	24	Sheriff dial 9	
	23	2	6	23	2-WAY	
	15	2	6	15	2-WAY	
	16	2	6	16	2-WAY	
	17	2	6	17		
	18	2	6	18	2-WAY	
	19	2	6	19	sheriff dial 9	
	20	2	6	20	2-WAY	

TRUNK CIRCUIT DESCRIPTOR REVIEW

-----

[ T1 DID/TIE : 25 ]	TRK	NUM	BAY	SLT	CCT	COMMENTS
---------------------	-----	-----	-----	-----	-----	----------

```

-----
62 1 6 13
63 1 6 14
50 1 6 1 Court Dial 3
51 1 6 2
52 1 6 3
53 1 6 4
54 1 6 5
55 1 6 6
56 1 6 7
57 1 6 8
58 1 6 9 Court Dial 3
59 1 6 10
60 1 6 11
61 1 6 12
64 1 6 15
65 1 6 16
66 1 6 17 Court Dial 3
67 1 6 18
68 1 6 19
69 1 6 20
70 1 6 21
71 1 6 22
72 1 6 23
73 1 6 24 Court Dial 3

```

NON DIAL-IN TRUNKS

```

-----
BAY SLT CCT COS TEN DAY N1 N2 CDN TK NUM TK NAME COMMENTS
-----
1 03 01 1 1 8101 8101 8101 1 99 LS-CO 9686236
1 03 02 1 1 7121 7121 7121 1 26 LS-CO 9686267
1 03 03 1 1 7123 7123 7123 1 27 LS-CO 9687123
1 03 04 1 1 451 451 451 1 28 LS-CO 9686302
1 03 05 1 1 6752 6752 6752 1 29 LS-CO
1 03 06 1 1 8101 8101 8101 1 25 LS-CO 968-7201

```

DIAL-IN TRUNKS

```

-----
BAY SLT CCT COS COR TEN N M X CDN TK NUM TK NAME COMMENTS
-----
1 06 01 1 1 2 4 0 25 50
1 06 02 1 1 2 4 0 25 51

```

1	06	03	1	1	2	4	0	25	52	
1	06	04	1	1	2	4	0	25	53	
1	06	05	1	1	2	4	0	25	54	
1	06	06	1	1	2	4	0	25	55	
1	06	07	1	1	2	4	0	25	56	
1	06	08	1	1	2	4	0	25	57	
1	06	09	1	1	2	4	0	25	58	
1	06	10	1	1	2	4	0	25	59	
1	06	11	1	1	2	4	0	25	60	
1	06	12	1	1	2	4	0	25	61	
1	06	13	1	1	2	4	0	25	62	
1	06	14	1	1	2	4	0	25	63	
1	06	15	1	1	2	4	0	25	64	
1	06	16	1	1	2	4	0	25	65	
1	06	17	1	1	2	4	0	25	66	
1	06	18	1	1	2	4	0	25	67	
1	06	19	1	1	2	4	0	25	68	
1	06	20	1	1	2	4	0	25	69	
1	06	21	1	1	2	4	0	25	70	
1	06	22	1	1	2	4	0	25	71	
1	06	23	1	1	2	4	0	25	72	
1	06	24	1	1	2	4	0	25	73	
2	06	01	1	1	1	4	0	2	1	
2	06	02	1	1	1	4	0	2	2	
2	06	03	1	1	1	4	0	2	3	2-WAY
2	06	04	1	1	1	4	0	2	4	2-WAY
2	06	05	1	1	1	4	0	2	5	2-WAY
2	06	06	1	1	1	4	0	2	6	2-WAY
2	06	07	1	1	1	4	0	2	7	2-WAY
2	06	08	1	1	1	4	0	2	8	2-WAY
2	06	09	1	1	1	4	0	2	9	2-WAY
2	06	10	1	1	1	4	0	2	10	
2	06	11	1	1	1	4	0	2	11	
2	06	12	1	1	1	4	0	2	12	2-WAY
2	06	13	1	1	1	4	0	2	13	2-WAY
2	06	14	1	1	1	4	0	2	14	2-WAY
2	06	15	1	1	1	4	0	2	15	2-WAY
2	06	16	1	1	1	4	0	2	16	2-WAY
2	06	17	1	1	1	4	0	2	17	
2	06	18	1	1	1	4	0	2	18	2-WAY
2	06	19	1	1	1	4	0	2	19	
2	06	20	1	1	1	4	0	2	20	2-WAY
2	06	21	1	1	1	4	0	2	21	2-WAY
2	06	22	1	1	1	4	0	2	22	2-WAY
2	06	23	1	1	1	4	0	2	23	2-WAY
2	06	24	1	1	1	4	0	2	123	

TRUNK GROUPS

-----

[GRP:02- ] [SMDR ] [CIRC] TK NUM BAY SLT CCT COMMENTS

```

-----
123 02 06 24
23 02 06 23 2-WAY
22 02 06 22
21 02 06 21
20 02 06 20 2-WAY
19 02 06 19
18 02 06 18 2-WAY
17 02 06 17
16 02 06 16 2-WAY
15 02 06 15 2-WAY
14 02 06 14 2-WAY
13 02 06 13 2-WAY
12 02 06 12 2-WAY
11 02 06 11
10 02 06 10
9 02 06 09 2-WAY
8 02 06 08 2-WAY
7 02 06 07 2-WAY
6 02 06 06 2-WAY
5 02 06 05 2-WAY
4 02 06 04 2-WAY
3 02 06 03 2-WAY
2 02 06 02 2-WAY
1 02 06 01

```

TRUNK GROUPS

```

-----
[GRP:04-LS-CO ] [SMDR ] [TERM] TK NUM BAY SLT CCT COMMENTS
-----

```

```

27 01 03 03 9687123
28 01 03 04 9686302
99 01 03 01 9686236
26 01 03 02 9686267

```

TRUNK GROUPS

```

-----
[GRP:06- ] [NO SMDR] [TERM] TK NUM BAY SLT CCT COMMENTS
-----

```

```

73 01 06 24
72 01 06 23
71 01 06 22
70 01 06 21
69 01 06 20
68 01 06 19

```

67	01	06	18
66	01	06	17
65	01	06	16
64	01	06	15
63	01	06	14
62	01	06	13
61	01	06	12
60	01	06	11
59	01	06	10
58	01	06	09
57	01	06	08
56	01	06	07
55	01	06	06
54	01	06	05
53	01	06	04
52	01	06	03
51	01	06	02

HUNT GROUPS

-----

[GRP 01:8212 ][TERM ]STN/SET ] EXT NUM BAY SLT CCT COMMENTS

-----

4030	02	07	02
4031	02	07	03
4032	02	07	04
4033	02	07	05
4034	02	07	06
4035	02	07	07
8211	02	07	08

HUNT GROUPS

-----

[GRP 02:8210 ][TERM ]RECORD. ] EXT NUM BAY SLT CCT COMMENTS

-----

5297	03	08	11
------	----	----	----

HUNT GROUPS

-----

[GRP 03:-----][TERM ]STN/SET ] EXT NUM BAY SLT CCT COMMENTS

-----

8001 02 08 04  
8002 02 08 05

HUNT GROUPS

-----

[GRP 04:8170 ][CIRC ]STN/SET ] EXT NUM BAY SLT CCT COMMENTS

-----

8171 01 07 08 Stearns Co Fwd  
8172 01 07 09 Stearns Co Fwd

HUNT GROUPS

-----

[GRP 05:5330 ][TERM ]STN/SET ] EXT NUM BAY SLT CCT COMMENTS

-----

4330 07 06 09  
5338 07 07 09  
5336 07 07 02  
5350 07 07 06  
5349 07 07 05

HUNT GROUPS

-----

[GRP 06:7201 ][TERM ]STN/SET ] EXT NUM BAY SLT CCT COMMENTS

-----

8101 01 04 01  
8102 01 04 02  
8103 01 04 03  
8104 01 04 04

HUNT GROUPS

-----

[GRP 13:21 ][CIRC ]STN/SET ] EXT NUM BAY SLT CCT COMMENTS

-----

5901 07 04 01  
5902 07 04 02  
5903 07 04 03  
5904 07 04 04  
5905 07 04 05

5906	07	04	06
5907	07	04	07
5908	07	04	08
5909	07	04	09
5910	07	04	10

HUNT GROUPS

-----

[GRP 14:22 ]	[[TERM ]	STN/SET ]	EXT NUM	BAY	SLT	CCT	COMMENTS
--------------	----------	-----------	---------	-----	-----	-----	----------

-----

5911	07	04	11
5912	07	04	12

HUNT GROUP OPTIONS

-----

[GRP 01:8212 ]	[[TERM ]	STN/SET ]	OPTIONS
----------------	----------	-----------	---------

-----

Name	
Overflow	
Record-a-Call: Maximum Port Usage (1-20)	0

HUNT GROUP OPTIONS

-----

[GRP 02:8210 ]	[[TERM ]	RECORD. ]	OPTIONS
----------------	----------	-----------	---------

-----

Name	
Message Length	0:10

HUNT GROUP OPTIONS

-----

[GRP 03:-----]	[[TERM ]	STN/SET ]	OPTIONS
----------------	----------	-----------	---------

-----

Name	
Overflow	
Record-a-Call: Maximum Port Usage (1-20)	0





-----  
Name  
Overflow  
Record-a-Call: Maximum Port Usage (1-20) 0

MISCELLANEOUS SYSTEM PORTS  
-----

ENTRY DESCRIPTION BAY SLT CCT SCT DIR PAGER EXT #  
-----

01	Music On Hold	01	08	01	01			
02	Pager 1	01	08	02	02	1		
03	Pager 2	01	08	01	02	1		
04	Pager 3							
05	Pager 4							
06	Pager 5							
07	Pager 6							
08	Pager 7							
09	Pager 8							
10	Pager 9							
11	Minor Alarm							
12	Major Alarm							
13	Critical Alarm							
14	Night Bell 01							
15	Night Bell 02							
16	Night Bell 03							
17	Night Bell 04							
18	Night Bell 05							
19	Night Bell 06							
20	Night Bell 07							
21	Night Bell 08							
22	Night Bell 09							
23	Night Bell 10							
24	Night Bell 11							
25	Night Bell 12							
26	Night Bell 13							
27	Night Bell 14							
28	Night Bell 15							
29	Night Bell 16							
30	Night Bell 17							
31	Night Bell 18							
32	Night Bell 19							
33	Night Bell 20							
34	Night Bell 21							
35	Night Bell 22							
36	Night Bell 23							
37	Night Bell 24							
38	Night Bell 25							

CALL REROUTING TABLE

-----

[TENANT : 01 JAIL ]	TYPE OF CALL	DAY	N1	N2
-----	-----	---	--	--
Station Dial 0 Routing	8104	8104	8104	
Priority Dial 0 Routing	8104	8104	8104	
DID Recall Points On Busy				
DID Recall Points On No Answer				
DID Routing For Calls Into This Tenant				
DID Illegal # Intercept For This Tenant				
DID Vacant Number Routing For This Tenant				
DID Attendant Access Night Points		-----		
Non-Dial-In Trunks Alternate Recall Points				
Dial-In Tie Recall Points On Busy				
Dial-In Tie Recall Points On No Answer				
Dial-In Tie Routing For Calls Into This Tenant				
Dial-In Tie Illegal # Intercept For This Tenant				
Dial-In Tie Vacant Number Routing For This Tenant				
Dial-In Tie Attendant Access Night Points		-----		
DND Intercept Routing For This Tenant				
Automatic Wake-up Routing For This Tenant				
Personal Wake-up Routing For This Tenant				
UCD/Attendant Recording For This Tenant				
UCD On Hold Time-Out For This Tenant				
DISA Day Service Routing For This Tenant		-----	-----	
Station Vacant Number Routing For This Tenant				
CO Line Routing Points On No Answer				
Music Sources For This Tenant				
Record a Call Voicemail Destination For This Tenant				
Station Illegal Number Routing For This Tenant				
Speak@Ease Number For This Tenant				
Call Forward Busy Number For This Tenant				
Call Forward No Answer Number For This Tenant				
Voicemail Number For This Tenant				
ONS Notification Number For 911 Calls and Lockouts				

CALL REROUTING TABLE

-----

[TENANT : 02 COURTS ]	TYPE OF CALL	DAY	N1	N2
-----	-----	---	--	--
Station Dial 0 Routing	5000	5087	5087	
Priority Dial 0 Routing	5000	5265	5087	
DID Recall Points On Busy				
DID Recall Points On No Answer				

DID Routing For Calls Into This Tenant  
 DID Illegal # Intercept For This Tenant  
 DID Vacant Number Routing For This Tenant  
 DID Attendant Access Night Points ----- 5265 5087  
 Non-Dial-In Trunks Alternate Recall Points  
 Dial-In Tie Recall Points On Busy  
 Dial-In Tie Recall Points On No Answer  
 Dial-In Tie Routing For Calls Into This Tenant  
 Dial-In Tie Illegal # Intercept For This Tenant  
 Dial-In Tie Vacant Number Routing For This Tenant  
 Dial-In Tie Attendant Access Night Points ----- 5265 5087  
 DND Intercept Routing For This Tenant  
 Automatic Wake-up Routing For This Tenant  
 Personal Wake-up Routing For This Tenant  
 UCD/Attendant Recording For This Tenant  
 UCD On Hold Time-Out For This Tenant  
 DISA Day Service Routing For This Tenant -----  
 Station Vacant Number Routing For This Tenant 5300 5265 5087  
 CO Line Routing Points On No Answer 5300  
 Music Sources For This Tenant  
 Record a Call Voicemail Destination For This Tenant  
 Station Illegal Number Routing For This Tenant  
 Speak@Ease Number For This Tenant  
 Call Forward Busy Number For This Tenant  
 Call Forward No Answer Number For This Tenant  
 Voicemail Number For This Tenant  
 ONS Notification Number For 911 Calls and Lockouts

CALL REROUTING TABLE

-----

[TENANT : 03 HUMAN SE]	TYPE OF CALL	DAY	N1	N2
-----	-----	---	--	--
Station Dial 0 Routing	5087 5087	5087		
Priority Dial 0 Routing	5087 5087	5087		
DID Recall Points On Busy				
DID Recall Points On No Answer				
DID Routing For Calls Into This Tenant				
DID Illegal # Intercept For This Tenant				
DID Vacant Number Routing For This Tenant				
DID Attendant Access Night Points	-----			
Non-Dial-In Trunks Alternate Recall Points				
Dial-In Tie Recall Points On Busy				
Dial-In Tie Recall Points On No Answer				
Dial-In Tie Routing For Calls Into This Tenant				
Dial-In Tie Illegal # Intercept For This Tenant				
Dial-In Tie Vacant Number Routing For This Tenant				
Dial-In Tie Attendant Access Night Points	-----			
DND Intercept Routing For This Tenant				
Automatic Wake-up Routing For This Tenant				
Personal Wake-up Routing For This Tenant				

UCD/Attendant Recording For This Tenant 8210 8210 8210  
 UCD On Hold Time-Out For This Tenant  
 DISA Day Service Routing For This Tenant -----  
 Station Vacant Number Routing For This Tenant  
 CO Line Routing Points On No Answer  
 Music Sources For This Tenant  
 Record a Call Voicemail Destination For This Tenant  
 Station Illegal Number Routing For This Tenant  
 Speak@Ease Number For This Tenant  
 Call Forward Busy Number For This Tenant  
 Call Forward No Answer Number For This Tenant  
 Voicemail Number For This Tenant  
 ONS Notification Number For 911 Calls and Lockouts

CALL REROUTING TABLE

-----

[TENANT : 04 COURT AD]	TYPE OF CALL	DAY	N1	N2
-----	-----	---	--	--
Station Dial 0 Routing	5000 5265	5265		
Priority Dial 0 Routing	5000 5265	5265		
DID Recall Points On Busy				
DID Recall Points On No Answer				
DID Routing For Calls Into This Tenant				
DID Illegal # Intercept For This Tenant				
DID Vacant Number Routing For This Tenant				
DID Attendant Access Night Points	-----			
Non-Dial-In Trunks Alternate Recall Points				
Dial-In Tie Recall Points On Busy				
Dial-In Tie Recall Points On No Answer				
Dial-In Tie Routing For Calls Into This Tenant				
Dial-In Tie Illegal # Intercept For This Tenant				
Dial-In Tie Vacant Number Routing For This Tenant				
Dial-In Tie Attendant Access Night Points	-----			
DND Intercept Routing For This Tenant				
Automatic Wake-up Routing For This Tenant				
Personal Wake-up Routing For This Tenant				
UCD/Attendant Recording For This Tenant				
UCD On Hold Time-Out For This Tenant				
DISA Day Service Routing For This Tenant	-----	-----		
Station Vacant Number Routing For This Tenant				
CO Line Routing Points On No Answer				
Music Sources For This Tenant				
Record a Call Voicemail Destination For This Tenant				
Station Illegal Number Routing For This Tenant				
Speak@Ease Number For This Tenant				
Call Forward Busy Number For This Tenant				
Call Forward No Answer Number For This Tenant				
Voicemail Number For This Tenant				
ONS Notification Number For 911 Calls and Lockouts				

CALL REROUTING TABLE

-----

[TENANT : 05	]	TYPE OF CALL	DAY	N1	N2
-----	-----	---	--	--	
Station Dial 0 Routing			4351	4351	
Priority Dial 0 Routing					
DID Recall Points On Busy					
DID Recall Points On No Answer					
DID Routing For Calls Into This Tenant					
DID Illegal # Intercept For This Tenant					
DID Vacant Number Routing For This Tenant					
DID Attendant Access Night Points			----		
Non-Dial-In Trunks Alternate Recall Points					
Dial-In Tie Recall Points On Busy					
Dial-In Tie Recall Points On No Answer					
Dial-In Tie Routing For Calls Into This Tenant					
Dial-In Tie Illegal # Intercept For This Tenant					
Dial-In Tie Vacant Number Routing For This Tenant					
Dial-In Tie Attendant Access Night Points			-----		
DND Intercept Routing For This Tenant					
Automatic Wake-up Routing For This Tenant					
Personal Wake-up Routing For This Tenant					
UCD/Attendant Recording For This Tenant					
UCD On Hold Time-Out For This Tenant					
DISA Day Service Routing For This Tenant			-----	-----	
Station Vacant Number Routing For This Tenant					
CO Line Routing Points On No Answer					
Music Sources For This Tenant					
Record a Call Voicemail Destination For This Tenant					
Station Illegal Number Routing For This Tenant					
Speak@Ease Number For This Tenant					
Call Forward Busy Number For This Tenant					
Call Forward No Answer Number For This Tenant					
Voicemail Number For This Tenant					
ONS Notification Number For 911 Calls and Lockouts					

CALL REROUTING TABLE

-----

[TENANT : 06	]	TYPE OF CALL	DAY	N1	N2
-----	-----	---	--	--	
Station Dial 0 Routing			4352	4351	21
Priority Dial 0 Routing			4352	4351	21
DID Recall Points On Busy					
DID Recall Points On No Answer					
DID Routing For Calls Into This Tenant					
DID Illegal # Intercept For This Tenant					

DID Vacant Number Routing For This Tenant  
 DID Attendant Access Night Points -----  
 Non-Dial-In Trunks Alternate Recall Points  
 Dial-In Tie Recall Points On Busy  
 Dial-In Tie Recall Points On No Answer  
 Dial-In Tie Routing For Calls Into This Tenant  
 Dial-In Tie Illegal # Intercept For This Tenant  
 Dial-In Tie Vacant Number Routing For This Tenant  
 Dial-In Tie Attendant Access Night Points -----  
 DND Intercept Routing For This Tenant  
 Automatic Wake-up Routing For This Tenant  
 Personal Wake-up Routing For This Tenant  
 UCD/Attendant Recording For This Tenant  
 UCD On Hold Time-Out For This Tenant  
 DISA Day Service Routing For This Tenant -----  
 Station Vacant Number Routing For This Tenant  
 CO Line Routing Points On No Answer  
 Music Sources For This Tenant  
 Record a Call Voicemail Destination For This Tenant  
 Station Illegal Number Routing For This Tenant  
 Speak@Ease Number For This Tenant  
 Call Forward Busy Number For This Tenant  
 Call Forward No Answer Number For This Tenant  
 Voicemail Number For This Tenant  
 ONS Notification Number For 911 Calls and Lockouts

CALL REROUTING TABLE

-----

[TENANT : 07 5100 ] TYPE OF CALL DAY N1 N2

-----  
 Station Dial 0 Routing  
 Priority Dial 0 Routing  
 DID Recall Points On Busy  
 DID Recall Points On No Answer  
 DID Routing For Calls Into This Tenant 21 21 21  
 DID Illegal # Intercept For This Tenant  
 DID Vacant Number Routing For This Tenant  
 DID Attendant Access Night Points -----  
 Non-Dial-In Trunks Alternate Recall Points  
 Dial-In Tie Recall Points On Busy  
 Dial-In Tie Recall Points On No Answer  
 Dial-In Tie Routing For Calls Into This Tenant  
 Dial-In Tie Illegal # Intercept For This Tenant  
 Dial-In Tie Vacant Number Routing For This Tenant  
 Dial-In Tie Attendant Access Night Points -----  
 DND Intercept Routing For This Tenant  
 Automatic Wake-up Routing For This Tenant  
 Personal Wake-up Routing For This Tenant  
 UCD/Attendant Recording For This Tenant  
 UCD On Hold Time-Out For This Tenant

DISA Day Service Routing For This Tenant -----  
 Station Vacant Number Routing For This Tenant  
 CO Line Routing Points On No Answer  
 Music Sources For This Tenant  
 Record a Call Voicemail Destination For This Tenant  
 Station Illegal Number Routing For This Tenant  
 Speak@Ease Number For This Tenant  
 Call Forward Busy Number For This Tenant  
 Call Forward No Answer Number For This Tenant  
 Voicemail Number For This Tenant  
 ONS Notification Number For 911 Calls and Lockouts

CALL REROUTING TABLE  
 -----

[TENANT : 10 AUTO ATT]	TYPE OF CALL	DAY	N1	N2
-----	-----	---	--	--
Station Dial 0 Routing	5000 5265	5987		
Priority Dial 0 Routing	5000 5265	5987		
DID Recall Points On Busy				
DID Recall Points On No Answer				
DID Routing For Calls Into This Tenant				
DID Illegal # Intercept For This Tenant				
DID Vacant Number Routing For This Tenant				
DID Attendant Access Night Points		-----		
Non-Dial-In Trunks Alternate Recall Points				
Dial-In Tie Recall Points On Busy				
Dial-In Tie Recall Points On No Answer				
Dial-In Tie Routing For Calls Into This Tenant				
Dial-In Tie Illegal # Intercept For This Tenant				
Dial-In Tie Vacant Number Routing For This Tenant				
Dial-In Tie Attendant Access Night Points		-----		
DND Intercept Routing For This Tenant				
Automatic Wake-up Routing For This Tenant				
Personal Wake-up Routing For This Tenant				
UCD/Attendant Recording For This Tenant				
UCD On Hold Time-Out For This Tenant				
DISA Day Service Routing For This Tenant		-----	-----	
Station Vacant Number Routing For This Tenant				
CO Line Routing Points On No Answer				
Music Sources For This Tenant				
Record a Call Voicemail Destination For This Tenant				
Station Illegal Number Routing For This Tenant				
Speak@Ease Number For This Tenant				
Call Forward Busy Number For This Tenant				
Call Forward No Answer Number For This Tenant				
Voicemail Number For This Tenant				
ONS Notification Number For 911 Calls and Lockouts				

ARS COR GROUP DEFINITION

-----

COR GROUP	COR GROUP MEMBERS (SEPARATE WITH SPACES)	COMMENTS
-----	-----	-----
01	1 4	
02	2	
03	3	
04	3-4	

ARS DAY ZONE DEFINITION

-----

DAY ZONE	SUN.	MON.	TUE.	WED.	THU.	FRI.	SAT.
-----	----	----	----	----	----	----	----
01	*	*	*	*	*	*	*
02							
03							

ARS MODIFIED DIGIT TABLE

-----

ENTRY	QTY TO DEL	DIGITS TO BE INSERTED	COMMENTS
-----	-----	-----	-----
01	1		delete the #9
02	1	8*9*9	delete the 8
03	1	9	locall
04	1	9	911 Route
05	1		Delete 3 Court Tks
11	1		9911

ARS ROUTE DEFINITION

-----

ROUTE NUM	TRUNK GROUP	COR GROUP	MOD DIGIT ENTRY	COMMENTS
-----	-----	-----	-----	-----
01	2	3	1	
02	3	3	1	
03	4	3	1	Analog Tks



04	5	3	4
05	5	3	2
06	5	3	3
07	6	3	5
08	2	4	1
09	4	4	1
10	2	3	10
11	2	3	11
12	4	3	12
13	4	4	1

IP ROUTE DEFINITION

-----

\*\*\*\*\* CDE DATA PRINT OPTION 23\* FORM IS EMPTY \*\*\*\*\*

ARS ROUTE LISTS

-----

LIST NUM FIRST SECOND WT THIRD WT FOURTH WT FIFTH WT SIXTH WT

-----

01	1	3					
02	8	9					
03	3	1					
04	1	2	3	4			
05	7	3					
11	11	3	1				
12	10	12					

ARS ROUTE PLAN [ 1 ]

-----

\*\*\*\*\* CDE DATA PRINT OPTION 25 FORM IS EMPTY \*\*\*\*\*

ARS LEADING DIGIT STRINGS

-----

LEADING DIGITS RETURN DIAL TONE RESTRICTED COR GROUP

-----

9	YES	2
---	-----	---

ARS DIGIT STRINGS [ 9 ]

-----

DIGITS TO BE ANALYZED	QTY TO FOLLOW	DESIGNATION	TERM TYPE AND NUM
-----	-----	-----	-----
0	Unknown	LOCAL LIST	1
11	0	EMERGENCY LIST	12
13202311729	0	LOCAL ROUTE	13
13206162496	0	LOCAL ROUTE	3
1500	7	LOCAL LIST	1
1800	7	LOCAL LIST	1
1855	7	LOCAL LIST	1
1866	7	LOCAL LIST	1
18773834802	0	LOCAL ROUTE	3
1877	7	LOCAL LIST	1
18889972227	0	LOCAL ROUTE	3
1888	7	LOCAL LIST	1
1900	Unknown	LONG DISTANCE ROUTE	99
19524695060	0	LOCAL ROUTE	3
1976	Unknown	LONG DISTANCE ROUTE	99
1X	9	LOCAL LIST	2
211	0	LOCAL LIST	1
2X	5	LOCAL LIST	1
311	0	LOCAL LIST	1
3X	5	LOCAL LIST	1
411	0	LOCAL LIST	1
4X	5	LOCAL LIST	1
511	0	LOCAL LIST	1
5X	5	LOCAL LIST	1
611	0	LOCAL LIST	1
6162496	0	LOCAL ROUTE	3
6X	5	LOCAL LIST	1
711	0	LOCAL LIST	1
7X	5	LOCAL LIST	1
811	0	LOCAL LIST	1
8X	5	LOCAL LIST	1
911	0	EMERGENCY LIST	11
9X	5	LOCAL LIST	1

ARS DIGIT STRINGS [ 3 ]

-----

DIGITS TO BE ANALYZED	QTY TO FOLLOW	DESIGNATION	TERM TYPE AND NUM
-----	-----	-----	-----
011	Unknown	LOCAL ROUTE	99

0	Unknown	LOCAL	LIST	5
13202028046	0	LOCAL	ROUTE	3
13202311729	0	LOCAL	ROUTE	3
13202312601	0	LOCAL	ROUTE	3
13202350975	0	LOCAL	ROUTE	3
13202352635	0	LOCAL	ROUTE	3
13202528726	0	LOCAL	ROUTE	3
13203631027	0	LOCAL	ROUTE	3
13203932018	0	LOCAL	ROUTE	3
13204057094	0	LOCAL	ROUTE	3
13205845239	0	LOCAL	ROUTE	3
13206162496	0	LOCAL	ROUTE	3
13206325667	0	LOCAL	ROUTE	3
13206548452	0	LOCAL	ROUTE	3
13206569192	0	LOCAL	ROUTE	3
13207633277	0	LOCAL	ROUTE	3
13207633466	0	LOCAL	ROUTE	3
13207741621	0	LOCAL	ROUTE	3
13207741900	0	LOCAL	ROUTE	3
13207748990	0	LOCAL	ROUTE	3
1500	7	LOCAL	LIST	5
17632633684	0	LOCAL	ROUTE	3
17637531265	0	LOCAL	ROUTE	3
1800	7	LOCAL	LIST	5
1866	7	LOCAL	LIST	5
18773834802	0	LOCAL	ROUTE	3
1877	7	LOCAL	LIST	5
18889972227	0	LOCAL	ROUTE	3
1888	7	LOCAL	LIST	5
1900	Unknown	LOCAL	ROUTE	99
19524695060	0	LOCAL	ROUTE	3
1976	Unknown	LOCAL	ROUTE	99
1X	9	LONG DISTANCE	LIST	5
2021400	0	LOCAL	ROUTE	3
2028046	0	LOCAL	ROUTE	3
211	0	LOCAL	LIST	5
2306520	0	LOCAL	ROUTE	3
2409067	0	LOCAL	ROUTE	3
2527291	Unknown	LOCAL	ROUTE	3
2528726	0	LOCAL	ROUTE	3
2528755	0	LOCAL	ROUTE	3
2538306	0	LOCAL	ROUTE	3
2570738	0	LOCAL	ROUTE	3
2590296	0	LOCAL	ROUTE	3
2590586	0	LOCAL	ROUTE	3
2595587	Unknown	LOCAL	ROUTE	3
2813339	0	LOCAL	ROUTE	3
2815305	0	LOCAL	ROUTE	3
2815306	0	LOCAL	ROUTE	3
2815544	0	LOCAL	ROUTE	3
2X	5	LOCAL	LIST	5
311	0	LOCAL	LIST	5
3873517	0	LOCAL	ROUTE	3
3X	5	LOCAL	LIST	5

ARS DIGIT STRINGS [ 3 ]

-----

DIGITS TO BE ANALYZED	QTY TO FOLLOW	DESIGNATION	TERM TYPE AND NUM
-----	-----	-----	-----
411	0	LOCAL LIST	5
4970873	0	LOCAL ROUTE	3
4X	5	LOCAL LIST	5
511	0	LOCAL LIST	5
5X	5	LOCAL LIST	5
611	0	LOCAL LIST	5
6548452	0	LOCAL ROUTE	3
6569192	0	LOCAL ROUTE	3
6X	5	LOCAL LIST	5
711	0	LOCAL LIST	5
7741438	0	LOCAL ROUTE	3
7741900	0	LOCAL ROUTE	3
7X	5	LOCAL LIST	5
811	0	LOCAL LIST	5
8X	5	LOCAL LIST	5
911	0	LOCAL LIST	5
9684467	0	LOCAL ROUTE	3
9X	5	LOCAL LIST	5

ARS MAXIMUM NUMBER OF DIALED DIGITS

-----

COR	MAXIMUM NUMBER OF DIALED DIGITS
---	-----
1	Unlimited
2	Unlimited
3	Unlimited
4	Unlimited
5	Unlimited
6	Unlimited
7	Unlimited
8	Unlimited
9	Unlimited
10	Unlimited
11	Unlimited
12	Unlimited
13	Unlimited
14	Unlimited
15	Unlimited

16	Unlimited
17	Unlimited
18	Unlimited
19	Unlimited
20	Unlimited
21	Unlimited
22	Unlimited
23	Unlimited
24	Unlimited
25	Unlimited

FORM ACCESS RESTRICTION

-----

FORM NAME	INST	MAINT1	MAINT2	SUPER	ATT
-----------	------	--------	--------	-------	-----

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01 = SYSTEM CONFIGURATION	R/W	R/W	none	R/W	none
02 = FEATURE ACCESS CODES	R/W	R/W	none	R/W	none
03 = COS DEFINE	R/W	R/W	none	R/W	none
04 = SYS OPTIONS/SYS TIMERS	R/W	R/W	none	R/W	none
05 = TENANT INTERCONNECTION	R/W	R/W	none	R/W	none
06 = TENANT NIGHT SWITCHING	R/W	R/W	none	R/W	none
07 = CONSOLE ASSIGNMENTS	R/W	R/W	none	R/W	none
08 = ATTENDANT LDN ASGN	R/W	R/W	none	R/W	none
09 = DESKTOP DEVICE ASSIGNMENTS	R/W	R/W	none	R/W	none
10 = PICKUP GROUPS	R/W	R/W	none	R/W	none
11 = DATA CIRCUIT DESCRIPTOR	R/W	R/W	none	R/W	none
12 = DATA ASSIGNMENT	R/W	R/W	none	R/W	none
13 = TRUNK CIRCUIT DESC	R/W	R/W	none	R/W	none
14 = NON-DIAL-IN TRUNKS	R/W	R/W	none	R/W	none
15 = DIAL-IN TRUNKS	R/W	R/W	none	R/W	none
16 = TRUNK GROUPS	R/W	R/W	none	R/W	none
17 = HUNT GROUPS	R/W	R/W	none	R/W	none
18 = MISC SYSTEM PORTS	R/W	R/W	none	R/W	none
19 = CALL REROUTING TABLE	R/W	R/W	none	R/W	none
20 = ARS: COR GRP DEFINITION	R/W	R/W	none	R/W	none
21 = ARS: DAY ZONE DEFINITION	R/W	R/W	none	R/W	none
22 = ARS: MODIFIED DGT TABLE	R/W	R/W	none	R/W	none
23 = ARS: ROUTE DEFINITION	R/W	R/W	none	R/W	none
24 = ARS: ROUTE LISTS	R/W	R/W	none	R/W	none
25 = ARS: ROUTE PLANS	R/W	R/W	none	R/W	none
26 = ARS: DIGIT STRINGS	R/W	R/W	none	R/W	none
27 = ARS: MAXIMUM DIALED DIGITS	R/W	R/W	none	R/W	none
28 = FORM ACCESS RESTRICTION	R/W	R/W	none	R/W	none
29 = DTE PROFILE	R/W	R/W	none	R/W	none
30 = DEVICE INTERCON TABLE	R/W	R/W	none	R/W	none
31 = SYSTEM ABBREV DIAL ENTRY	R/W	R/W	none	R/W	none
32 = CDE DATA PRINT	R/W	R/W	none	R/W	none
33 = ACCOUNT CODE ENTRY	R/W	R/W	none	R/W	none
34 = DIRECTED IO	R/W	R/W	none	R/W	none

35 = GLOBAL FIND ACCESS CODE	R/W	R/W	none	R/W	none
36 = MODEM ASSIGNMENT	R/W	R/W	none	R/W	none
37 = GUEST RM SUPERSET KEYS TEM	R/W	R/W	none	R/W	none
38 = ACD KEYS TEMPLATE	R/W	R/W	none	R/W	none
39 = ACD AGENT GROUPS	R/W	R/W	none	R/W	none
40 = ACD SUPERVISORS	R/W	R/W	none	R/W	none
41 = ACD PATHS	R/W	R/W	none	R/W	none
42 = T1 LINK DESCRIPTORS	R/W	R/W	none	R/W	none
43 = T1 LINK ASSIGNMENT	R/W	R/W	none	R/W	none
44 = NETWORK SYNCHRONIZATION	R/W	R/W	none	none	none
45 = BRI TRUNK ASSIGNMENTS	R/W	R/W	none	none	none
46 = KEY SYSTEM TOLL CONTROL	R/W	R/W	R/W	none	none
47 = IP AND DHCP PARAMETERS	R/W	R/W	none	none	none
48 = IP NODES	R/W	none	R/W	none	none

DTE PROFILE TABLE

-----

[ PROFILE NUMBER : 1 ]	DTE OPTION	VALUE
-----	-----	-----
Terminal type	TELEPRINTER	
Language	ENGLISH	
DTRX Echoplex	DISABLED	
Editing	DISABLED	
Editing character delete (0 - 127, Decimal value of ASCII code)		0
Editing line display (0 - 127, Decimal value of ASCII code)		0
Inject <LF> after <CR>	ALWAYS	
Number of pads after <CR> (0 - 7)		0
Number of pads after <LF> (0 - 7)		0
DTRX Inactivity Timer 1 - 60 seconds		10

DTE PROFILE TABLE

-----

[ PROFILE NUMBER : 2 ]	DTE OPTION	VALUE
-----	-----	-----
Terminal type	VIDEO TERM	
Language	ENGLISH	
DTRX Echoplex	DISABLED	
Editing	DISABLED	
Editing character delete (0 - 127, Decimal value of ASCII code)		0
Editing line display (0 - 127, Decimal value of ASCII code)		0
Inject <LF> after <CR>	ALWAYS	
Number of pads after <CR> (0 - 7)		0
Number of pads after <LF> (0 - 7)		0
DTRX Inactivity Timer 1 - 60 seconds		10



19 \* \* \* \* \*  
 20 \* \* \* \* \*  
 21 \* \* \* \* \*  
 22 \* \* \* \* \*  
 23 \* \* \* \* \*  
 24 \* \* \* \* \*  
 25 \* \* \* \* \*

DEVICE INTERCONNECTION TRANSLATION TABLE

-----

ENTRY NUM	DEVICE TYPE DESCRIPTION	INTERCONNECT NUM
-----	-----	-----
01	Station/Set	1
02	Console	2
03	Loop Start Trunk	3
04	Ground Start Trunk	4
05	DID/Tie Trunk	5
06	E&M Trunk ( 2-Wire or 4-Wire )	6
07	RESERVED	7
08	RESERVED	8
09	RESERVED	9
10	RESERVED	10
11	RESERVED	11
12	RESERVED	12
13	RESERVED	13
14	RESERVED	14
15	RESERVED	15
16	RESERVED	16
17	RESERVED	17
18	RESERVED	18
19	RESERVED	19
20	RESERVED	20
21	RESERVED	21
22	RESERVED	22
23	RESERVED	23
24	RESERVED	24
25	RESERVED	25

SYSTEM ABBREVIATED DIAL NUMBERS

-----

INDEX NUMBER	DIGIT STRING	PRIVATE
-----	-----	-----
1	777*9*6*9	
2	777*9***6*9	



300 318006573611  
 301 \*\*2115273  
 302 \*\*21121  
 303 39804247

GLOBAL FIND ACCESS CODE TABLE  
 -----

ACCESS CODE      DEFINED      BAY SLT CCT SCT MULTIPLE APP.  
 -----

0	Feature Access Code								N/A
1	Feature Access Code								N/A
21	Hunt Group # 13								N/A
22	Hunt Group # 14								N/A
3	ARS Leading Digit								N/A
4001	Station	5	07	01					N/A
4002	Station	5	07	02					N/A
4003	Station	5	07	03					N/A
4004	Station	5	07	04					N/A
4005	Console	1	01	02	1				N/A
4030	Station	2	07	02					N/A
4031	Station	2	07	03					N/A
4032	Station	2	07	04					N/A
4033	Station	2	07	05					N/A
4034	Station	2	07	06					N/A
4035	Station	2	07	07					N/A
4330	Station	7	06	09					N/A
4351	Station	5	07	10					N/A
4352	Logical Line								N/A
4353	SUPERSET		1	01	07	1			N/A
4357	Station	5	07	05					N/A
442	Station	5	07	08					N/A
451	Station	1	04	10					N/A
5000	LDN	4	06	01	1				NO
5001	SUPERSET		1	01	03	1			N/A
5002	SUPERSET		3	01	02	1			N/A
5003	SUPERSET		3	01	03	1			N/A
5004	LDN	4	06	01	1				NO
5005	SUPERSET		4	08	01	1			N/A
5006	Station	3	08	09					N/A
5007	SUPERSET		3	01	06	1			N/A
5008	SUPERSET		3	01	07	1			N/A
5009	SUPERSET		3	01	08	1			N/A
5010	SUPERSET		3	01	09	1			N/A
5011	SUPERSET		3	01	10	1			N/A
5012	SUPERSET		6	02	04	1			N/A
5013	SUPERSET		7	05	07	1			N/A
5014	SUPERSET		3	01	12	1			N/A

5015	SUPERSET	6	01	09	1	N/A
5016	SUPERSET	5	08	09	1	N/A
5017	SUPERSET	3	02	02	1	N/A
5018	SUPERSET	4	08	02	1	N/A
5019	Station	3	08	07		N/A
5020	SUPERSET	3	02	04	1	N/A
5021	SUPERSET	3	02	05	1	N/A
5022	SUPERSET	3	02	06	1	N/A
5023	SUPERSET	3	02	07	1	N/A
5024	SUPERSET	7	05	01	1	N/A
5025	SUPERSET	6	01	07	1	N/A
5026	SUPERSET	6	01	08	1	N/A
5027	Station	3	08	06		N/A
5028	SUPERSET	3	02	09	1	N/A
5029	SUPERSET	3	02	10	1	N/A
5030	SUPERSET	3	02	11	1	N/A
5031	SUPERSET	3	02	12	1	N/A

GLOBAL FIND ACCESS CODE TABLE

ACCESS CODE	DEFINED	BAY	SLT	CCT	SCT	MULTIPLE APP.
5032	SUPERSET	3	03	01	1	N/A
5033	SUPERSET	3	03	02	1	N/A
5034	Station	6	04	04		N/A
5035	SUPERSET	4	08	12	1	N/A
5036	SUPERSET	7	05	06	1	N/A
5037	Logical Line					N/A
5038	SUPERSET	3	03	04	1	N/A
5039	SUPERSET	3	03	05	1	N/A
5040	SUPERSET	3	03	06	1	N/A
5041	SUPERSET	4	08	03	1	N/A
5042	SUPERSET	7	05	04	1	N/A
5043	SUPERSET	6	02	05	1	N/A
5044	SUPERSET	3	03	08	1	N/A
5045	SUPERSET	3	04	01	1	N/A
5046	SUPERSET	3	04	02	1	N/A
5047	SUPERSET	7	02	11	1	N/A
5048	SUPERSET	3	03	10	1	N/A
5049	SUPERSET	3	03	11	1	N/A
5050	SUPERSET	3	06	08	1	N/A
5051	Station	3	08	04		N/A
5052	SUPERSET	6	01	01	1	N/A
5053	SUPERSET	6	01	03	1	N/A
5054	SUPERSET	6	01	02	1	N/A
5055	SUPERSET	6	02	01	1	N/A
5056	SUPERSET	6	02	08	1	N/A
5057	SUPERSET	6	02	02	1	N/A
5058	SUPERSET	3	04	07	1	N/A

5059	SUPERSET	6	02	03	1	N/A
5060	SUPERSET	3	04	09	1	N/A
5061	SUPERSET	6	01	06	1	N/A
5062	SUPERSET	6	01	04	1	N/A
5063	SUPERSET	6	01	05	1	N/A
5064	SUPERSET	6	02	07	1	N/A
5065	Station	3	08	03		N/A
5066	SUPERSET	3	04	12	1	N/A
5067	SUPERSET	3	06	01	1	N/A
5068	SUPERSET	3	06	02	1	N/A
5069	SUPERSET	3	06	03	1	N/A
5070	SUPERSET	3	06	04	1	N/A
5071	SUPERSET	3	06	05	1	N/A
5072	SUPERSET	3	06	06	1	N/A
5073	SUPERSET	3	06	07	1	N/A
5074	SUPERSET	3	03	12	1	N/A
5075	SUPERSET	7	02	12	1	N/A
5076	SUPERSET	6	01	10	1	N/A
5077	SUPERSET	3	07	01	1	N/A
5078	SUPERSET	3	06	09	1	N/A
5079	SUPERSET	3	06	10	1	N/A
5080	SUPERSET	7	05	05	1	N/A
5081	SUPERSET	3	06	12	1	N/A
5082	SUPERSET	3	07	04	1	N/A
5083	SUPERSET	3	07	02	1	N/A
5084	SUPERSET	4	08	08	1	N/A
5085	SUPERSET	4	08	10	1	N/A
5086	SUPERSET	4	08	11	1	N/A

GLOBAL FIND ACCESS CODE TABLE

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ACCESS CODE	DEFINED	BAY	SLT	CCT	SCT	MULTIPLE APP.
-----	-----	---	---	---	---	-----
5087	SUPERSET	7	01	04	1	N/A
5088	SUPERSET	3	07	05	1	N/A
5089	SUPERSET	3	07	06	1	N/A
5090	SUPERSET	3	07	07	1	N/A
5091	SUPERSET	3	07	08	1	N/A
5092	SUPERSET	3	07	09	1	N/A
5093	SUPERSET	3	07	10	1	N/A
5094	SUPERSET	3	07	11	1	N/A
5095	SUPERSET	3	07	12	1	N/A
5096	SUPERSET	4	01	01	1	N/A
5097	SUPERSET	4	01	02	1	N/A
5098	SUPERSET	4	01	03	1	N/A
5099	SUPERSET	4	01	04	1	N/A
5100	SUPERSET	4	01	05	1	N/A
5101	SUPERSET	4	01	06	1	N/A
5102	SUPERSET	4	01	07	1	N/A

5103	SUPERSET	4	01	08	1	N/A
5104	SUPERSET	4	01	09	1	N/A
5105	SUPERSET	4	01	10	1	N/A
5106	SUPERSET	4	01	11	1	N/A
5107	SUPERSET	4	01	12	1	N/A
5108	SUPERSET	4	02	01	1	N/A
5109	SUPERSET	4	02	02	1	N/A
5110	SUPERSET	4	02	03	1	N/A
5111	SUPERSET	4	02	04	1	N/A
5112	SUPERSET	4	02	05	1	N/A
5113	SUPERSET	4	02	06	1	N/A
5114	SUPERSET	4	02	07	1	N/A
5115	SUPERSET	4	02	08	1	N/A
5116	SUPERSET	4	02	09	1	N/A
5117	SUPERSET	4	02	10	1	N/A
5118	SUPERSET	4	02	11	1	N/A
5119	SUPERSET	4	02	12	1	N/A
5120	SUPERSET	4	03	01	1	N/A
5121	SUPERSET	4	03	02	1	N/A
5122	SUPERSET	4	03	03	1	N/A
5123	SUPERSET	4	03	04	1	N/A
5124	SUPERSET	4	03	05	1	N/A
5125	SUPERSET	4	03	06	1	N/A
5126	SUPERSET	4	03	07	1	N/A
5127	SUPERSET	4	06	12	1	N/A
5128	SUPERSET	4	03	08	1	N/A
5129	SUPERSET	4	03	09	1	N/A
5130	SUPERSET	4	03	10	1	N/A
5131	SUPERSET	4	03	11	1	N/A
5132	SUPERSET	4	03	12	1	N/A
5133	SUPERSET	4	04	01	1	N/A
5134	SUPERSET	4	04	02	1	N/A
5135	SUPERSET	4	04	03	1	N/A
5136	SUPERSET	5	02	08	1	N/A
5137	SUPERSET	4	04	05	1	N/A
5138	SUPERSET	4	04	06	1	N/A
5139	SUPERSET	4	04	07	1	N/A
5140	SUPERSET	4	04	08	1	N/A
5141	SUPERSET	4	04	09	1	N/A

GLOBAL FIND ACCESS CODE TABLE

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ACCESS CODE	DEFINED	BAY	SLT	CCT	SCT	MULTIPLE APP.
-----	-----	---	---	---	---	-----
5142	SUPERSET	4	04	10	1	N/A
5143	SUPERSET	4	04	11	1	N/A
5144	SUPERSET	4	04	12	1	N/A
5145	SUPERSET	4	05	01	1	N/A
5146	SUPERSET	4	05	02	1	N/A

5147	SUPERSET	4	05	03	1	N/A
5148	SUPERSET	4	05	04	1	N/A
5149	SUPERSET	4	05	05	1	N/A
5150	SUPERSET	4	05	06	1	N/A
5151	SUPERSET	4	05	07	1	N/A
5152	SUPERSET	4	05	08	1	N/A
5153	SUPERSET	4	05	09	1	N/A
5154	SUPERSET	4	05	10	1	N/A
5155	SUPERSET	4	05	11	1	N/A
5156	SUPERSET	4	05	12	1	N/A
5157	SUPERSET	4	06	02	1	N/A
5158	SUPERSET	4	06	03	1	N/A
5159	SUPERSET	4	06	04	1	N/A
5160	SUPERSET	4	06	05	1	N/A
5161	SUPERSET	4	06	06	1	N/A
5162	SUPERSET	4	06	07	1	N/A
5163	SUPERSET	4	06	08	1	N/A
5164	SUPERSET	4	08	04	1	N/A
5165	SUPERSET	4	08	05	1	N/A
5166	SUPERSET	4	08	06	1	N/A
5167	SUPERSET	4	08	07	1	N/A
5168	SUPERSET	6	01	11	1	N/A
5169	SUPERSET	6	01	12	1	N/A
5170	SUPERSET	4	06	11	1	N/A
5171	SUPERSET	3	01	04	1	N/A
5172	SUPERSET	3	01	05	1	N/A
5173	SUPERSET	3	01	11	1	N/A
5174	SUPERSET	3	02	01	1	N/A
5175	SUPERSET	5	02	01	1	N/A
5176	SUPERSET	5	01	02	1	N/A
5177	SUPERSET	5	01	03	1	N/A
5178	SUPERSET	5	01	04	1	N/A
5179	SUPERSET	5	01	05	1	N/A
5180	SUPERSET	5	01	06	1	N/A
5181	SUPERSET	5	01	07	1	N/A
5182	SUPERSET	5	01	08	1	N/A
5183	SUPERSET	5	01	09	1	N/A
5184	Station	5	07	06		N/A
5185	SUPERSET	5	01	11	1	N/A
5186	SUPERSET	5	02	02	1	N/A
5187	SUPERSET	3	04	11	1	N/A
5188	SUPERSET	3	01	01	1	N/A
5189	Station	6	04	03		N/A
5190	SUPERSET	3	04	05	1	N/A
5191	SUPERSET	7	05	03	1	N/A
5192	SUPERSET	5	02	12	1	N/A
5193	SUPERSET	5	02	03	1	N/A
5194	SUPERSET	5	02	04	1	N/A
5195	SUPERSET	5	02	05	1	N/A
5196	SUPERSET	5	02	06	1	N/A

GLOBAL FIND ACCESS CODE TABLE

ACCESS CODE	DEFINED	BAY	SLT	CCT	SCT	MULTIPLE APP.
5197	SUPERSET	5	02	07	1	N/A
5198	SUPERSET	5	01	01	1	N/A
5199	SUPERSET	5	03	02	1	N/A
5200	Station	5	07	12		N/A
5201	SUPERSET	1	01	08	1	N/A
5202	SUPERSET	4	06	10	1	N/A
5203	SUPERSET	3	02	08	1	N/A
5204	SUPERSET	3	02	03	1	N/A
5205	SUPERSET	1	01	06	1	N/A
5206	SUPERSET	5	03	03	1	N/A
5207	SUPERSET	5	03	05	1	N/A
5208	SUPERSET	5	03	06	1	N/A
5209	SUPERSET	5	03	07	1	N/A
5210	SUPERSET	5	03	08	1	N/A
5211	SUPERSET	5	03	09	1	N/A
5212	SUPERSET	5	03	10	1	N/A
5213	SUPERSET	5	03	11	1	N/A
5214	SUPERSET	5	03	12	1	N/A
5215	SUPERSET	5	04	01	1	N/A
5216	SUPERSET	5	04	02	1	N/A
5217	SUPERSET	5	04	10	1	N/A
5218	SUPERSET	5	04	11	1	N/A
5219	SUPERSET	5	04	12	1	N/A
5220	SUPERSET	5	05	01	1	N/A
5221	SUPERSET	5	05	02	1	N/A
5222	SUPERSET	5	05	03	1	N/A
5223	SUPERSET	5	05	04	1	N/A
5224	SUPERSET	5	08	01	1	N/A
5225	SUPERSET	5	03	04	1	N/A
5226	SUPERSET	5	08	02	1	N/A
5227	SUPERSET	2	01	10	1	N/A
5228	SUPERSET	2	08	09	1	N/A
5229	SUPERSET	2	08	12	1	N/A
5230	Station	6	04	02		N/A
5231	Station	6	04	07		N/A
5232	Logical Line					N/A
5233	SUPERSET	5	04	09	1	N/A
5234	SUPERSET	5	01	12	1	N/A
5251	LDN	4	06	01	1	NO
5256	SUPERSET	7	03	01	1	N/A
5257	SUPERSET	7	03	02	1	N/A
5258	SUPERSET	7	03	03	1	N/A
5259	SUPERSET	7	03	04	1	N/A
5260	SUPERSET	7	03	05	1	N/A
5261	SUPERSET	7	03	06	1	N/A
5262	SUPERSET	7	03	07	1	N/A
5263	SUPERSET	7	03	08	1	N/A
5264	LDN	4	06	01	1	NO

5265	SUPERSET	4	08	09	1	N/A
5266	SUPERSET	7	03	09	1	N/A
5267	SUPERSET	7	03	10	1	N/A
5268	SUPERSET	7	03	11	1	N/A
5269	SUPERSET	7	03	12	1	N/A
5270	SUPERSET	7	01	01	1	N/A
5271	SUPERSET	7	01	02	1	N/A

GLOBAL FIND ACCESS CODE TABLE

ACCESS CODE	DEFINED	BAY	SLT	CCT	SCT	MULTIPLE APP.
5272	SUPERSET	7	01	03	1	N/A
5273	LDN				NO	
5274	SUPERSET	7	01	05	1	N/A
5275	SUPERSET	7	01	06	1	N/A
5276	SUPERSET	7	01	07	1	N/A
5277	SUPERSET	5	02	09	1	N/A
5278	SUPERSET	7	01	09	1	N/A
5279	SUPERSET	7	01	10	1	N/A
5280	SUPERSET	7	01	11	1	N/A
5281	SUPERSET	7	01	12	1	N/A
5282	SUPERSET	7	02	01	1	N/A
5283	SUPERSET	7	02	02	1	N/A
5284	SUPERSET	7	02	03	1	N/A
5285	SUPERSET	7	02	04	1	N/A
5286	SUPERSET	7	02	05	1	N/A
5287	SUPERSET	7	02	06	1	N/A
5288	SUPERSET	7	02	07	1	N/A
5289	SUPERSET	7	02	08	1	N/A
5290	SUPERSET	7	02	09	1	N/A
5291	SUPERSET	7	02	10	1	N/A
5292	Station	3	08	01		N/A
5293	SUPERSET	7	05	02	1	N/A
5296	Station	3	08	12		N/A
5297	Station	3	08	11		N/A
5299	Station	3	08	08		N/A
5300	Console	4	06	01	1	N/A
5303	Station	7	07	10		N/A
5306	Station	7	06	01		N/A
5307	Station	7	06	02		N/A
5309	Station	7	06	03		N/A
5318	Station	7	06	04		N/A
5319	Station	7	06	05		N/A
5320	Station	7	06	06		N/A
5321	Station	6	04	12		N/A
5328	Station	7	06	07		N/A
5329	Station	7	06	08		N/A
5330	Hunt Group # 5					N/A

5331	Station	7	06	10	N/A
5332	Station	7	06	11	N/A
5333	Station	6	04	01	N/A
5334	Station	7	07	01	N/A
5335	Station	7	07	08	N/A
5336	Station	7	07	02	N/A
5337	Station	7	07	03	N/A
5338	Station	7	07	09	N/A
5339	Station	7	07	04	N/A
5346	Station	5	06	02	N/A
5347	Station	5	06	01	N/A
5348	Station	5	06	03	N/A
5349	Station	7	07	05	N/A
5350	Station	7	07	06	N/A
5351	Station	7	07	07	N/A
5352	Station	5	06	04	N/A
5353	Station	5	06	05	N/A
5354	Station	5	06	06	N/A

GLOBAL FIND ACCESS CODE TABLE

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ACCESS CODE	DEFINED	BAY	SLT	CCT	SCT	MULTIPLE APP.
-----	-----	---	---	---	-----	-----
5355	Station	5	06	07		N/A
5356	Station	5	06	08		N/A
5357	Station	5	06	09		N/A
5358	Station	5	06	10		N/A
5359	Station	5	06	11		N/A
5901	SUPERSET	7	04	01	1	N/A
5902	SUPERSET	7	04	02	1	N/A
5903	SUPERSET	7	04	03	1	N/A
5904	SUPERSET	7	04	04	1	N/A
5905	SUPERSET	7	04	05	1	N/A
5906	SUPERSET	7	04	06	1	N/A
5907	SUPERSET	7	04	07	1	N/A
5908	SUPERSET	7	04	08	1	N/A
5909	SUPERSET	7	04	09	1	N/A
5910	SUPERSET	7	04	10	1	N/A
5911	SUPERSET	7	04	11	1	N/A
5912	SUPERSET	7	04	12	1	N/A
5987	Station	5	07	09		N/A
6000	SUPERSET	5	01	10	1	N/A
6003	SUPERSET	4	04	04	1	N/A
6006	SUPERSET	5	02	11	1	N/A
6007	SUPERSET	5	03	01	1	N/A
6008	SUPERSET	5	04	03	1	N/A
6009	SUPERSET	5	04	04	1	N/A
6010	SUPERSET	5	04	05	1	N/A
6011	SUPERSET	5	04	06	1	N/A



6012	SUPERSET	5	04	07	1	N/A
6013	SUPERSET	5	04	08	1	N/A
6014	SUPERSET	5	05	05	1	N/A
6015	SUPERSET	5	05	06	1	N/A
6016	SUPERSET	5	05	07	1	N/A
6017	SUPERSET	5	05	08	1	N/A
6018	SUPERSET	5	05	09	1	N/A
6019	SUPERSET	5	05	10	1	N/A
6020	SUPERSET	5	05	11	1	N/A
6021	SUPERSET	5	05	12	1	N/A
6024	SUPERSET	5	08	03	1	N/A
6025	SUPERSET	5	08	04	1	N/A
6026	SUPERSET	5	08	05	1	N/A
6027	SUPERSET	5	08	06	1	N/A
6028	SUPERSET	5	08	07	1	N/A
6029	SUPERSET	5	08	08	1	N/A
6030	SUPERSET	3	07	03	1	N/A
6031	SUPERSET	4	06	09	1	N/A
6032	SUPERSET	5	08	12	1	N/A
6033	SUPERSET	5	08	11	1	N/A
6034	Station	3	08	02		N/A
6347	Station	1	07	03		N/A
6752	Station	1	04	11		N/A
6885	Station	1	07	04		N/A
7121	Station	1	04	08		N/A
7123	Station	1	04	09		N/A
7201	Hunt Group # 6					N/A
7777	Station	3	08	05		N/A
8001	SUPERSET	2	08	04	1	N/A

GLOBAL FIND ACCESS CODE TABLE

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ACCESS CODE	DEFINED	BAY	SLT	CCT	SCT	MULTIPLE APP.
-----	-----	---	---	---	---	-----
8002	SUPERSET	2	08	05	1	N/A
8081	Station	1	07	05		N/A
8100	SUPERSET	1	05	08	1	N/A
8101	Station	1	04	01		N/A
8102	Station	1	04	02		N/A
8103	Station	1	04	03		N/A
8104	Station	1	04	04		N/A
8105	SUPERSET	3	06	11	1	N/A
8106	SUPERSET	1	01	04	1	N/A
8107	SUPERSET	2	02	11	1	N/A
8108	SUPERSET	1	02	12	1	N/A
8109	SUPERSET	1	05	01	1	N/A
8110	SUPERSET	1	02	02	1	N/A
8111	SUPERSET	1	02	01	1	N/A
8112	Station	1	07	07		N/A

8113	SUPERSET	2	08	08	1	N/A
8114	SUPERSET	2	08	06	1	N/A
8115	SUPERSET	2	08	11	1	N/A
8116	SUPERSET	2	08	07	1	N/A
8117	SUPERSET	2	03	04	1	N/A
8118	SUPERSET	1	02	03	1	N/A
8119	SUPERSET	1	02	04	1	N/A
8120	SUPERSET	1	01	09	1	N/A
8121	SUPERSET	1	01	10	1	N/A
8122	SUPERSET	1	01	11	1	N/A
8123	SUPERSET	1	01	12	1	N/A
8124	SUPERSET	1	02	08	1	N/A
8125	SUPERSET	2	02	05	1	N/A
8126	SUPERSET	2	02	04	1	N/A
8127	SUPERSET	1	02	09	1	N/A
8128	SUPERSET	1	02	07	1	N/A
8129	SUPERSET	1	02	05	1	N/A
8130	SUPERSET	1	02	06	1	N/A
8131	SUPERSET	1	01	01	1	N/A
8132	SUPERSET	1	02	10	1	N/A
8133	SUPERSET	1	02	11	1	N/A
8134	Station	1	07	10		N/A
8135	SUPERSET	1	05	03	1	N/A
8136	SUPERSET	1	05	04	1	N/A
8137	SUPERSET	1	05	02	1	N/A
8138	SUPERSET	1	05	06	1	N/A
8139	SUPERSET	1	05	07	1	N/A
8141	SUPERSET	1	05	09	1	N/A
8142	SUPERSET	1	05	10	1	N/A
8143	SUPERSET	1	05	11	1	N/A
8144	SUPERSET	1	05	12	1	N/A
8145	SUPERSET	2	05	01	1	N/A
8146	SUPERSET	2	05	02	1	N/A
8147	SUPERSET	2	05	03	1	N/A
8148	SUPERSET	2	05	04	1	N/A
8149	SUPERSET	2	05	05	1	N/A
8150	SUPERSET	2	02	07	1	N/A
8151	SUPERSET	2	02	09	1	N/A
8152	SUPERSET	2	05	07	1	N/A
8153	SUPERSET	2	02	02	1	N/A

GLOBAL FIND ACCESS CODE TABLE

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ACCESS CODE	DEFINED	BAY	SLT	CCT	SCT	MULTIPLE APP.
-----	-----	---	---	---	---	-----
8154	SUPERSET	2	02	01	1	N/A
8155	Station	1	04	05		N/A
8156	SUPERSET	2	08	01	1	N/A
8157	SUPERSET	2	08	02	1	N/A

8158	SUPERSET		2	08	03	1	N/A
8160	SUPERSET		2	04	09	1	N/A
8161	SUPERSET		2	04	07	1	N/A
8167	Station	1	07	11			N/A
8170	Hunt Group # 4						N/A
8171	Station	1	07	08			N/A
8172	Station	1	07	09			N/A
8179	Logical Line						N/A
8180	SUPERSET		6	02	12	1	N/A
8181	SUPERSET		2	02	08	1	N/A
8182	SUPERSET		2	02	12	1	N/A
8183	SUPERSET		2	03	01	1	N/A
8184	SUPERSET		2	04	06	1	N/A
8185	SUPERSET		2	03	05	1	N/A
8186	SUPERSET		2	03	06	1	N/A
8187	SUPERSET		2	03	07	1	N/A
8188	SUPERSET		2	03	08	1	N/A
8189	Station	1	04	06			N/A
8190	SUPERSET		2	03	11	1	N/A
8191	SUPERSET		2	03	10	1	N/A
8192	SUPERSET		2	03	09	1	N/A
8193	SUPERSET		2	03	12	1	N/A
8194	SUPERSET		2	04	01	1	N/A
8195	SUPERSET		2	04	05	1	N/A
8197	Station	3	08	10			N/A
8198	Station	2	07	09			N/A
8199	SUPERSET		2	08	10	1	N/A
81*0	SUPERSET		2	02	06	1	N/A
8200	Station	5	07	07			N/A
8201	Station	2	07	11			N/A
8202	Station	2	07	10			N/A
8203	Station	1	04	12			N/A
8210	Hunt Group # 2						N/A
8211	Station	2	07	08			N/A
8212	Hunt Group # 1						N/A
8222	SUPERSET		1	05	05	1	N/A
8223	SUPERSET		5	02	10	1	N/A
8225	Station	2	07	12			N/A
8256	SUPERSET		2	01	02	1	N/A
8257	SUPERSET		2	01	01	1	N/A
8258	SUPERSET		2	05	06	1	N/A
8259	SUPERSET		2	05	12	1	N/A
8260	SUPERSET		2	02	10	1	N/A
8261	SUPERSET		2	05	09	1	N/A
8262	SUPERSET		2	05	10	1	N/A
8263	SUPERSET		2	05	11	1	N/A
8264	SUPERSET		2	02	03	1	N/A
8265	SUPERSET		2	05	08	1	N/A
8266	SUPERSET		2	04	04	1	N/A
8267	SUPERSET		2	04	03	1	N/A
8268	SUPERSET		2	04	02	1	N/A

GLOBAL FIND ACCESS CODE TABLE

ACCESS CODE	DEFINED	BAY	SLT	CCT	SCT	MULTIPLE APP.
8269	SUPERSET	2	01	11	1	N/A
8270	SUPERSET	3	04	08	1	N/A
8271	SUPERSET	2	01	09	1	N/A
8272	SUPERSET	2	01	05	1	N/A
8273	SUPERSET	2	01	03	1	N/A
8274	SUPERSET	2	01	04	1	N/A
8275	SUPERSET	2	03	02	1	N/A
8276	SUPERSET	2	01	06	1	N/A
8277	SUPERSET	2	01	07	1	N/A
8278	SUPERSET	2	01	08	1	N/A
8279	SUPERSET	2	01	12	1	N/A
8280	SUPERSET	2	04	08	1	N/A
8281	SUPERSET	2	04	10	1	N/A
8282	SUPERSET	2	04	11	1	N/A
8283	SUPERSET	2	04	12	1	N/A
8284	Station	1	07	01		N/A
8285	Station	1	07	02		N/A
8286	SUPERSET	1	01	05	1	N/A
8297	SUPERSET	2	03	03	1	N/A
8881	Station	1	07	06		N/A
8888	SUPERSET	5	08	10	1	N/A
8890	Logical Line					N/A
9	ARS Leading Digit					N/A
*21	Feature Access Code					N/A
*22	Feature Access Code					N/A
*23	Feature Access Code					N/A
*24	Feature Access Code					N/A
*25	Feature Access Code					N/A
*27	Feature Access Code					N/A
*28	Feature Access Code					N/A
*29	Feature Access Code					N/A
*30	Feature Access Code					N/A
*31	Feature Access Code					N/A
*32	Feature Access Code					N/A
*33	Feature Access Code					N/A
*34	Feature Access Code					N/A
*35	Feature Access Code					N/A
*36	Feature Access Code					N/A
*37	Feature Access Code					N/A
*39	Feature Access Code					N/A
*42	Feature Access Code					N/A
*43	Feature Access Code					N/A
*44	Feature Access Code					N/A
*47	Feature Access Code					N/A
000	ARS Leading Digit					N/A

T1 LINK DESCRIPTORS

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[ LINK DESCRIPTOR NUMBER : 1 ]	VALUE
-----	-----
Alarm debounce timer ( 300 - 3200 ms )	2500
Line Coding ( AMI, AMI&ZCS, B8ZS)	AMI&ZCS
Line Build Out ( 0, -7.5, -15, -22.5 DB)	0 DB
Line Length ( max 132, 265, 398, 533 or 655)	266-398
Framing ( D4 or ESF )	D4
Slip rate - maintenance limit ( 0 - 9000 ) /24 hrs	255
Slip rate - service limit ( 0 - 9000 ) /24 hrs	7000
Slip rate - network sync limit ( 0 - 9000 ) /24 hrs	7
BER - maintenance limit ( 10** -n , n = ( 3,4,5,6 ) ) / hour	4
BER - service limit ( 10** -n , n = ( 3,4,5,6 ) ) / hour	3
Framing losses - maintenance limit ( 0 - 9000 ) /24 hrs	255
Framing losses - service limit ( 0 - 9000 ) /24 hrs	9000
RTS timer - service limit exceeded ( 1 - 255 min )	30
RTS timer - net slip limit exceeded ( 1 - 255 min )	30
RTS timer - after alarm ( 0 - 300 sec )	10

T1 LINK DESCRIPTORS

-----

[ LINK DESCRIPTOR NUMBER : 2 ]	VALUE
-----	-----
Alarm debounce timer ( 300 - 3200 ms )	2500
Line Coding ( AMI, AMI&ZCS, B8ZS)	AMI&ZCS
Line Build Out ( 0, -7.5, -15, -22.5 DB)	0 DB
Line Length ( max 132, 265, 398, 533 or 655)	266-398
Framing ( D4 or ESF )	D4
Slip rate - maintenance limit ( 0 - 9000 ) /24 hrs	255
Slip rate - service limit ( 0 - 9000 ) /24 hrs	7000
Slip rate - network sync limit ( 0 - 9000 ) /24 hrs	7
BER - maintenance limit ( 10** -n , n = ( 3,4,5,6 ) ) / hour	4
BER - service limit ( 10** -n , n = ( 3,4,5,6 ) ) / hour	3
Framing losses - maintenance limit ( 0 - 9000 ) /24 hrs	255
Framing losses - service limit ( 0 - 9000 ) /24 hrs	9000
RTS timer - service limit exceeded ( 1 - 255 min )	30
RTS timer - net slip limit exceeded ( 1 - 255 min )	30
RTS timer - after alarm ( 0 - 300 sec )	10

T1 LINK DESCRIPTORS

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[ LINK DESCRIPTOR NUMBER : 3 ]	VALUE
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Alarm debounce timer      ( 300 - 3200 ms )      2500
Line Coding               ( AMI, AMI&ZCS, B8ZS)      AMI&ZCS
Line Build Out           ( 0, -7.5, -15, -22.5 DB)      0 DB
Line Length              ( max 132, 265, 398, 533 or 655)  266-398
Framing                  ( D4 or ESF )              D4
Slip rate - maintenance limit ( 0 - 9000 ) /24 hrs      255
Slip rate - service limit   ( 0 - 9000 ) /24 hrs      7000
Slip rate - network sync limit ( 0 - 9000 ) /24 hrs      7
BER - maintenance limit ( 10** -n , n = ( 3,4,5,6 )) / hour      4
BER - service limit ( 10** -n , n = ( 3,4,5,6 )) / hour      3
Framing losses - maintenance limit ( 0 - 9000 ) /24 hrs      255
Framing losses - service limit ( 0 - 9000 ) /24 hrs      9000
RTS timer - service limit exceeded ( 1 - 255 min )      30
RTS timer - net slip limit exceeded ( 1 - 255 min )      30
RTS timer - after alarm ( 0 - 300 sec )      10

```

T1 LINK DESCRIPTOR REVIEW

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-----
LINK DESC NO: 1      BAY      SLOT      COMMENTS
-----
                   02      06

```

T1 LINK DESCRIPTOR REVIEW

```

-----
LINK DESC NO: 2      BAY      SLOT      COMMENTS
-----
                   01      06

```

T1 LINK ASSIGNMENT

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-----
TRUNK TYPE      BAY      SLOT      LINK DESC NUM      COMMENTS
-----
                   01      06      02
                   02      06      01

```

NETWORK SYNCHRONIZATION

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DESCRIPTION	BAY	SLOT	CCT	COMMENTS
-----	---	---	-----	
First clock source	2	06	--	
Second clock source				
Third clock source				
Fourth clock source				
Fifth clock source				
Sixth clock source				
Seventh clock source				
Eighth clock source				