



The School Board of Miami-Dade County, Florida
 SCHOOL BOARD ADMINISTRATION BUILDING
 Procurement Management Services
 1450 N.E. 2 nd Avenue, Room 352
 Miami, Fl. 33132

Direct All Inquiries To
 Procurement Management Services
 L. Leasburg-Kramer, Supervisor
 PHONE: (305) 995-1364
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BID/RFP ADDENDUM

Date: July 20, 2005

Addendum No. 1

BID/RFP No.: 102-EE04

BID/RFP TITLE: On-Site Service for Telephone Equipment

This addendum modifies the conditions of the above referenced BID/RFP as follows:

- 1) Change Opening date to August 2, 2005. New Bidder Qualification Form Attached
- 2) Change Specification 4.1 (see new page 4 of 20) and Specification 5.1 (see new page 5 of 20)
- 3) Responses to questions received at Pre-Bid Conference and by E-mail
- 4) Additional Equipment Information
- 5) List of Attendees at Pre-Bid Conference

The attached pages containing clarifications, additional information and requirements constitutes an integral part of the referenced bid.

- 1 If your bid/proposal has not been mailed, substitute the pages marked REVISED and mail your entire bid/proposal package. **REMEMBER TO SIGN THE BIDDER QUALIFICATION FORM.**

OR

2. If your bid/proposal has been mailed, sign and return this addendum form with the revised pages by the time and date indicated on the revised Bidder Qualification Form.
BY SIGNING THIS ADDENDUM, THE VENDOR AGREES TO THE TERMS AND CONDITIONS CONTAINED IN THE BIDDER QUALIFICATION FORM AND ALL RELATED BID DOCUMENTS.

I acknowledge receipt of Addendum Number 1.

PLEASE NOTE: If your firm has mailed a copy of this bid/proposal to another vendor, it is your responsibility to forward them a copy of this addendum.

(PLEASE TYPE OR PRINT BELOW)

LEGAL NAME OF BIDDER: _____

MAILING ADDRESS: _____

CITY, STATE ZIP CODE: _____

TELEPHONE NUMBER: _____ E-MAIL I.D. _____ FAX # _____

BY: SIGNATURE (Manual): _____

OF AUTHORIZED REPRESENTATIVE
 NAME (Typed)- _____ TITLE: _____

OF AUTHORIZED REPRESENTATIVE



BIDDER QUALIFICATION FORM

BID NO. _____

BID TITLE _____

Direct all inquiries to Procurement Management Services:

BUYER NAME: _____

E-MAIL ADDRESS: _____

PHONE: (305) _____

FAX NUMBER _____

TDD PHONE (305) 995-2400

Bids will be accepted until 2:00 PM on _____ in room 351, School Board Administration building, 1450 NE 2nd Avenue, Miami, FL., 33132, at which time they will be publicly opened. Bids may not be withdrawn for _____ days after opening. (Refer to Instructions to Bidders, para. IV.B.)

THE SUBMISSION OF THE BID BY THE VENDOR, ACCEPTANCE AND AWARD OF THE BID BY THE SCHOOL BOARD OF MIAMI-DADE COUNTY, FLORIDA, AND SUBSEQUENT PURCHASE ORDERS ISSUED AGAINST SAID AWARD SHALL CONSTITUTE A BINDING, ENFORCEABLE CONTRACT. UNLESS OTHERWISE STIPULATED IN THE BID DOCUMENTS, NO OTHER CONTRACT DOCUMENTS SHALL BE ISSUED.

I. A. BIDDER CERTIFICATION AND IDENTIFICATION

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a bid for the same materials, supplies, or equipment, and is in all respects fair and without collusion or fraud. I agree to abide by all conditions of this bid; and I certify that I am authorized to sign this bid for the bidder.

B. Vendor certifies that it satisfies all necessary legal requirements as an entity to do business with the School Board of Miami-Dade County, Florida.

II. INDEMNIFICATION

The Bidder shall hold harmless, indemnify and defend the indemnities (as hereinafter defined) against any claim, action, loss, damage, injury, liability, cost or expense of whatsoever kind or nature including, but not by way of limitation, attorney's fees and court costs arising out of bodily injury to persons, including death, or damage to tangible property arising out of or incidental to the performance of this Contract (including goods and services provided thereto) by or on behalf of the Bidder, whether or not due to or caused in part by the negligence or other culpability of the indemnity, excluding only the sole negligence or culpability of the indemnity. The following shall be deemed to be indemnities: The School Board of Miami-Dade County, Florida and its members, officers and employees.

III. PERFORMANCE SECURITY, is required on this bid. YES NO

Refer to **INSTRUCTIONS TO BIDDERS**, para. VII., and VI.

IF PERFORMANCE SECURITY IS REQUIRED, PLEASE INDICATE THE TYPE TO BE FURNISHED:

Performance Bond Check (Cashier's, Certified, or equal)

An original, manual signature is required on the Bidder Qualification Form.
(Bidder is requested to use blue ink)
(Do not use pencil)

Legal Name of Vendor _____

Mailing Address _____

City _____ **State** _____ **Zip Code** _____

Telephone No. _____ **E-mail address** _____

By: Signature (Original)

Of Authorized Representative _____ **Date** _____

Name (Typed or Printed)

Of Authorized Representative _____ **Date** _____

FROM: _____

AFFIX
POSTAGE
HERE

THE SCHOOL BOARD OF MIAMI-DADE COUNTY, FLORIDA
BUREAU OF PROCUREMENT AND MATERIALS MANAGEMENT
ROOM NO. 352 BID BOX
1450 N.E. 2ND AVENUE
MIAMI, FLORIDA 33132

BID NO.: _____
BID TITLE: _____
BID OPENING DATE: _____

THE SCHOOL BOARD OF MIAMI-DADE COUNTY, FLORIDA
Bureau of Procurement and Materials Management

NOTICE OF PROSPECTIVE BIDDERS

NO BID

If not submitting a bid at this time, for informational purpose only, detach this sheet from the bid documents, complete the information requested, fold as indicated, staple, affix postage and return address, and mail. **NO ENVELOPE IS NECESSARY.**

NO BID SUBMITTED FOR REASON(S) CHECKED AND/OR INDICATED:

Our company does not handle this type of product/service.

We cannot meet the specifications nor provide an alternate equal product.

Our company is simply not interested in bidding at this time.

OTHER, (Please specify) _____

We do not want to be retained on your mailing list for future bids for this type or product and/or service.

Signature _____

Title _____

Company _____

NOTE: Failure to respond, either by submitting a bid or this completed form, may result in your company being removed from the School Board's bid list. To qualify as a respondent to the bid, vendor must submit a *NO BID*.

Bid # 102-EE04
On-Site Service for Telephone Equipment Specifications

4.0 BIDDER'S QUALIFICATIONS

4.1 Bidders must have an established business providing service to users in the contiguous United States, with a minimum total customer base of 50 Digital PBX, and 200 Digital Non-PBX systems, their associated telephone sets, administration terminals and all ancillary equipment, and voice mail systems, in the contiguous United States, with verifiable direct manufacturers relationship (not through intermediaries), or be an established firm which has provided telecommunication services to M-DCPS for at least seven (7) years.

4.2 Bidders must have technicians who are manufacturer certified and experienced in operation, administration, and trouble analysis of Digital PBX systems operating in a network connected through DS-1 circuits provided by the local exchange carrier. The experience must include networked digital PBX systems that carry both voice and data channels. Proof of manufacturer certification is requested to be submitted. Failure to submit may result in the bid not to be considered for award.

A manufacturer certified technician must be on-site during the accomplishment of awarded work under this contract. While on School Board property, the contractor is responsible for the conduct and actions of their technicians providing services to M-DCPS. M-DCPS has the right to have individuals barred from working on School Board property.

4.3 Bidders need to provide proof of experience in their bid by submitting a list of four of their largest customers and the quantity, approximate size (lines and trunks) and types of equipment presently being serviced for these customers. The names and telephone numbers of contact personnel at each of the submitted customer site must be submitted with the bid. Failure to submit may result in the bid not to be considered for award.

4.4 Bidders need to provide the following additional information in their bid:

1. The number of technicians, with associated job descriptions, and other support persons on duty during the normal workweek and on weekends. Contact names and numbers for bidder, including, Sales, Project Management, Accounts Receivables and Customer Service.
2. The extent of the technical training and years of experience of individual service personnel.
3. The general types and quantities of spare parts available and their locations. This should include trunk and station circuit cards, common control circuit cards and crash kits, including the types of telephone sets.

Bid # 102-EE04
On-Site Service for Telephone Equipment Specifications

4. Explain the availability of remote diagnostics and alarm monitoring. Indicate if a dedicated 1FB line or any other type of connection is needed to provide the remote service.
5. Explain the bidder's relationship to various manufacturers, specifically the relationships, if any, to Avaya and Nortel Networks.
6. The location of the bidder(s) local repair facilities.
7. Bidders need to indicate what percentage their local workload would increase in the event they were awarded this bid.
8. In order to be considered for this bid, the bidder(s) must have access to the following items from the manufacturers they are bidding, i.e.: Avaya or Nortel Networks.
 - a. Manufacturer training of service personnel.
 - b. Manufacturer return parts authorization.
 - c. Throughout the duration of this contract, the vendor shall possess, or have immediate access to all OEM registered software and be capable of providing support as required.
 - d. Manufacturer technical assistance services at progressive levels, including highest levels, and products.

Failure to submit may result in the bid not to be considered for award.

5.0 CONTRACTOR'S RESPONSIBILITIES

- 5.1 It is understood and agreed that the contractor is solely responsible for all parts and labor provided by this contract. For any items purchased under this contract, while during the warranty period, all software upgrades, dot releases, patches and fixes, exclusive of installation fees, shall be provided to the District at no additional cost. For items purchased prior to this contract or out of warranty on the new contract, dot releases, patches and fixes, exclusive of installation fees, shall be provided to the District at no charge. All software upgrades, dot releases, patches, and fixes must be tested and approved by M-DCPS, ITS staff, prior to installation on M-DCPS equipment/systems and will be scheduled in coordination with ITS staff based. Priorities will be given to updates critical to system functionality.
- 5.2 Contractor must maintain an inventory of spare parts for all equipment-covered, for the duration of the contract, and applicable warranty period, for items obtained through this contract. In the event a contract is awarded for only one of the manufacturers, then only spare parts for that particular manufacturer will be required.
- 5.3 Employees of the contractor must be technically competent, appropriately manufacturer's certified and trained, and physically able to perform the work. The vendor is required, and shall have the capability, to simultaneously perform all work described herein at multiple locations throughout Miami-Dade County, in order to meet the performance levels in Section 9.0 - PRIORITIES FOR SERVICE
- 5.4 All personnel employed by the vendor, including any subcontractor and subcontractor's employees when applicable, shall display at all times an identification badge which shall include the employee's name, the company's name and either a physical description or a photograph of

Bid #102-EE04
On-Site Service for Telephone Equipment
Response To Questions

Question:

5.1 It is understood and agreed that the contractor is solely responsible for all parts and labor provided by this contract. All software fixes and updates must be tested and supplied at no additional cost to M-DCPS.

Q1. Are the software fixes and updates for new systems or existing systems?

Response:

See attached addendum on Specification 4.1 and 5.1

Q2. Does this include all software releases and/or patches for the term of the agreement?

Response:

See attached addendum on Specification 4.1 and 5.1

Q3. What time frame would be required to implement updated software?

Response:

See attached addendum on Specification 4.1 and 5.1

Q4. Does the flat rate fee include hardware/parts?

Response:

Yes

Q5. Are both the Nortel PBXs and Key systems to be included in the software upgrades?

Response:

See attached addendum on Specification 4.1 and 5.1. This will apply to both manufacturers and all system types.

Q6. Will MDCPS consider purchasing a software subscription?

Response:

Not at this time.

Question:

2.1 ITS will develop a pricing matrix for the most common types of Time and Material work for adds, moves, and changes, using the bidder's catalogs and time charges. Based on the matrix, and the cost per Flat-Rate Service Call, for maintenance and repair, an award will be made to the five (5) lowest responsive bidders per manufacturer, for Avaya and Nortel.

Q5. Will all five bidders receive service calls?

Response:

The lowest bidder of the 5 will be the primary. Service Calls, dependent on workload, may be assigned to the other bidders on award. Additionally, these 5 will be the pool from which all quotes are obtained for work over the Districts quote threshold.

Q6. Can a vendor reject a service call?

Response:

No.

Bid #102-EE04
On-Site Service for Telephone Equipment
Response To Questions

Q7. Are there other selection factors or is the decision going to be based on solely on the matrix and flat-rate fee?

Response:

Vendor must meet all Special Conditions and Specifications as listed in the bid. All responsive and responsible bidders will be ranked based on the matrix.

Question:

4.4 Bidders need to provide the following additional information in their bid:

4. Explain the availability of remote diagnostics and alarm monitoring. Indicate if a dedicated 1FB line or any other type of connection is needed to provide the remote service. Does MDCPS have SEBs in place?

Response:

No, the District has Dial-Up modems in place. Vendors may have access to these.

Question:

Q9. Is system monitoring a requirement?

Response:

No

Question:

Instruction to Bidders – Section I.C.3 – Bid Proposal Form

Many vendors require Tax Exception certificates on file. Tax exception number reference on PO is not sufficient. Will the Schools provide a copy to bidders upon acceptance?

Response:

*The districts tax-exempt status information is posted at the procurement website.
http://procurement.dadeschools.net/PDF/tax_id.pdf*

Question:

Instructions to Bidders - Section VI.D. Purchase Orders

If official notification is through mail only, many bidders will be unable to book any part of that order until the document is received. Moreover, triggering delivery timeframes on purchase order dates will severely limit ability to make aggressive delivery timeframes in contract.

Suggested Changes:

- allowing faxes, followed up with a hardcopy PO, to be official means of notification.
- PO must include an accurate matching quote from an authorized partner certified to sell equipment
- the start of the delivery timeframe begins with the confirmation of booked order
- Any damages shall not be considered until such time as the valid date has been missed.
- Availability is dependent upon product ordered.

The current language limits our ability to deliver a competitively priced solution and potentially limits our ability to participate in this bid

Response:

Intent of this section is to inform vendor that work is not to begin until receipt of a purchase order. The purchase order is the authorization to proceed. Purchase Orders may be faxed and/or e-mailed followed up with a confirmation copy in the mail.

Bid #102-EE04
On-Site Service for Telephone Equipment
Response To Questions

Question:

Instructions to Bidders – Section VI.E. Default.

Please confirm how damages will be assessed if no purchase order has been placed.

Response:

As per Section VI.E: Default Liquidated damages of 10% of the unit price of the items awarded times the qty when no purchase order has been issued, 10 % of the purchase or \$100.00, whichever is greater, or lose eligibility to conduct business with the Board for 14 months.

Question:

Instruction to bidders-Section XIV.D. - Payment

How is acceptance defined?

Response:

Products or services purchased must perform, without failure, for 10 consecutive business days as per the defined Scope of Work.

Question:

Special Conditions, # 6. Delivery

See suggestion made on Instructions to Bidders Section VI.D. Purchase Orders
Commitment to commence delivery should be contingent on the Schools attaching a valid quote provided by an authorized partner for the specified equipment that matches a clean purchase order.

The current language limits our ability to deliver a competitively priced solution and potentially limits our ability to participate in this bid

Response:

For Flat-Rate calls, vendor must perform to meet service level requirements identified in 9.0, Priorities for Service. For new systems or equipment, performance must be as indicated on the scope of work, which will be referred to on the purchase order.

Question:

Special Conditions, # 6. Delivery

See suggestion made on Instructions to Bidders Section VI.D. Purchase Orders

Product fulfillment is available on a published lead time which average from 3-6 weeks.

Reasonable best effort fulfillment is also contingent on emergency demands (ie. homeland security, natural disasters, acts of god), industry driven availability (component availability, etc), and other external factors.

The current language limits our ability to deliver a competitively priced solution and potentially limits our ability to participate in this bid

Response:

It is required that awarded vendors maintain adequate inventory of parts or have immediate access to meet the service level requirements as outlined in 9.0 PRIORITIES FOR SERVICE. Work related to a specific scope of work will be based on the requirements as quoted and noted in the purchase order.

Question:

Indemnification and Insurance

We will assume liability for our own conduct. The area of concern centers around liability claims that would arise not from the negligence of the school board, nor from the bidder's negligence, but from others' negligence.

Bid #102-EE04
On-Site Service for Telephone Equipment
Response To Questions

Suggested Change:

The Vendor shall hold harmless, indemnify and defend the indemnitees (as hereinafter defined) against any claim, action, 105s, damage, injury, liability, cost or. expense of whatsoever kind or nature including, but not by way of limitation, attorneys' fees and court costs arising out of bodily injury to persons including death, or damage to tangible property arising out of or incidental to the performance of this Contract (including goods and services provided thereto) **to the extent due to any negligent act or omission** by or on behalf of the Vendor, excluding only the negligence or culpability of the indemnitee. The following shall be deemed to be indemnitces: The School Board of Miami-Dade County, Florida and. its members, officers and employees

The current language limits our ability to deliver a competitively priced solution and potentially limits our ability to participate in this bid

Response:

Indemnification and Insurance is the School Board's standard and will not be changed.

Question:

Indemnification and Insurance – Insurance, p.1

In reference to Insurance, we can only insure in relationship to this specific Agreement.

Suggested Change:

The School Board of Miami-Dade County, Florida and its members, officers and employees shall be an additional insured **with respect only to the operations of Vendor under this Agreement** on all liability coverage's except Workers' Compensation Insurance."

The current language limits our ability to deliver a competitively priced solution and potentially limits our ability to participate in this bid.

Response:

Indemnification and Insurance is the School Board's standard and will not be changed.

Question:

Indemnification and Insurance – p.2

We agree that policies need to be valid in the jurisdiction in question, but request that the requirements be expanded to include Global Insurers. Our requested changes to the insurance section do not at all lessen the protection provided to the Customer. Rather, they are administrative and reflect how insurance for a global company works. MDCPS' requirement presume that we purchase our insurance in the state of Florida which we do not. Additionally, insurers generally exclude such "double coverage" for these things

Suggested Change:

Remove (a) and (b) and replace with:

All insurance policies are valid for the State of Florida.

Keeping the language as is will require additional costs to set up and maintain or may limit our ability to participate in this bid.

Response:

Indemnification and Insurance is the School Board's standard and will not be changed.

Question:

Indemnification and Insurance

It is administratively difficult to put a process in place in to keep up with the individual insurance renewals that might be referenced by all the numerous contracts we have in effect year after year. We therefore cannot commit to sending them, unasked, a new certificate when the

Bid #102-EE04
On-Site Service for Telephone Equipment
Response To Questions

insurance policy renews; we will gladly commit, however, to sending MDCPS a speedy replacement certificate upon request

Suggested Change:

Will accept renewal certificates upon request.

The current language will be in breach of contract and will severely limit our ability to participate in this bid.

Response:

Indemnification and Insurance is the School Board's standard and will not be changed.

Question:

Bid #102-EE04 1.3.3

Please confirm that MDCPS' definition of the "bidders catalog" are the items listed in Groups I, II and III only.

Response:

Bidder is requested to submit their catalog along with the part numbers identified in the bid. The parts numbers listed are the most frequently utilized parts based on historical usage. The District requires the vendor to submit the most current complete catalog of items available at time of bid submission.

Question:

Under Bid #102-EE04 1.3.3

In an effort to keep the complete catalog of material as accurate and accessible as possible, will the Schools accept substituting the last two sentences of the section with a URL connection to a web site that provides access to an electronic version and addition and/or deletions?

Response:

Bidder shall submit their catalog along with the part numbers identified in the bid. A URL link is of future benefit, but the District requires a hard print copy of the vendor's current catalog with pricing as defined in the bid to be submitted with the bidders response.

Question:

Bid #102-EE04 3.6

In the effort to provide the most favorable Flat Rate pricing to MDCPS, and since 442 calls (34%) listed in the Telecomm to Vendors are "unknown", would the Schools accept two Flat Rate Call Pricing:

Flat Rate Call as defined in bid (ei. hw replacement if equipment failure is root cause)

Flat Rate Charge if no replacement is required (ie. Remote diagnosis/recovery, etc)

Response:

Pricing is to be submitted as requested in the bid.

Question:

Bid #102-EE04 5.1

Software delivery services calling for "All software fixes and updates" being supplied at no additional cost are not available under the terms of a Time and Material contract. Programs are available under other maintenance services that will deliver this solution.

Suggested Change:

Remove "All" and replace with "**Service affecting patches**"

Add to end of paragraph "Must be administered by a Manufacturer approved authorized partner or technician"

Bid #102-EE04
On-Site Service for Telephone Equipment
Response To Questions

The current language limits our ability to deliver a competitively priced solution and limits our ability to participate in this bid.

Response:

See attached addendum on Specification 4.1 and 5.1

Question:

Bid #102-EE04 5.14

Please confirm that Schools can only accept refurbished equipment if no new parts are available.

Response:

Refurbished parts may only be used when no new parts are available for the system. Documentation to this affect must be submitted to M-DCPS staff prior to their use for approval. Refurbished parts must have the same warranty as new parts.

Question:

Bid #102-EE04 11.0 Training-

Please confirm how MDCPS wants bidders to respond to training requests.

Are the Schools just looking for a confirmation that we can deliver these services or are they requesting specific pricing?

If pricing is requested, will an updated excel spreadsheet be provided to include this in our response?

Response:

MDCPS is looking to determine if training is available. Pricing would be submitted as part of a response to a request for quote, to awarded vendors, based on a specific scope of work.

Question:

Attachment A

To allow insure proper risk management analysis, when will the quantity in Attachment A be available?

Response:

See attachment to this addendum.

Question:

Is there any limitation to the number of technician hours or replacement hardware for a "Flat Rate Service Call"?

Response:

No

Question for Submission:

Have the existing systems been maintained per NTP standards?

Response:

MDCPS requests that vendors maintain systems per NTP standards.

Question:

Will there be any site surveys for Subs?

If not, can an exclusion from pre-existing service conditions be added to the contract?

Bid #102-EE04
On-Site Service for Telephone Equipment
Response To Questions

Response:

The bidder submitting responses may make site visits as per Special Condition 10. EQUIPMENT INSPECTION. There is no restriction on who the vendor may bring to the visit. No exclusions will be made to this contract.

Question:

Will MDCP consider a minimum guarantee of the number of Flat Rate service calls that will be awarded to each successful bidder?

Response:

No.

Question:

Bidder Qualification Form -
II. INDEMNIFICATION -

We agree that a Vendor should indemnify and hold harmless Customer, their associated legal entities, and all their directors, officers, trustees, and employees from and against liability to third parties for damages to tangible property and bodily injury, including death, to the extent caused by the negligent or wrongful acts or omissions of the Vendor. However, we do not think that Vendors should be obligated to indemnify the School Board of Miami-Dade County from third party claims not resulting from that Vendor's fault.

Response: Indemnification and Insurance is the School Board's standard and will not be changed.

Question:

Instruction to Bidders –

- 1) I.C.1. Item Specification – “Articles offered must be new ...” – How would a vendor comply with this if the product is manufactured discontinued and one could only obtain refurbish “like” new products?

Response:

Refurbished parts may only be used when no new parts are available for the system. Documentation to this affect must be submitted to M-DCPS staff prior to their use for approval. Refurbished parts must have the same warranty as new parts.

Question:

- 2) VI.E. -Will the vendor work with M-DCPS to define poor performance or non-performance? Will it be mutually agreed upon? M-DCPS is given the right to require payment of a penalty if a Vendor fails to perform according to the terms of the contract (bid). However, we are unclear as to what determines *which* penalty will be charged to the Vendor (it is an “either/or” scenario). We request that we be given 30 days to cure any failure before being placed in default. We also requests that M-DCPS specify the criteria which determines to which extent the Vendor will be charged and if charged the monetary penalty, requests that the amount be “capped,” and be limited to the instance and specific location where the non-compliance occurred.

Response:

Poor performance is defined as vendors not meeting the service levels established in 9.0 Priorities for Service or not adhering to the scope of work on awarded projects/purchase orders. Timelines to cure are dependent on the situation and will be determined by ITS and Procurement

Bid #102-EE04
On-Site Service for Telephone Equipment
Response To Questions

Management Services. Penalties for non-compliance will be assessed based on 16.0 Non-Performance & Non-Compliance and are specific to the occurrence. Default provisions are outlined in VI. Awards, E. Default and changes to this provision will not be made.

Question:

- 3) VIII. Samples - Our products proposed herein are not "expendable," and if samples are requested they will be furnished. Compensation for samples that are destroyed by the Customer will be negotiated at the time the sample(s) is/are furnished.

Response:

The Board will buy no samples. Samples will only be required for items being submitted, by the bidder, as equals to the items listed in the bid.

Question:

- 4) IX. Substitutions - What if the item requested is no longer manufactured and has been substituted by a more expensive item, through no fault of the vendor? Is the vendor still not able to charge the differential, i.e. if one voice mail platform is discontinued, does M-DCPS expect the bidder to replace the voice mail system at no cost with a new product in lieu of the discontinued product?

Response:

If the manufacturer has a suggested replacement the District will expect the vendor to utilize this for replacements. If no substitute is available, a refurbished part may be used. Documentation to this affect must be submitted to M-DCPS staff prior to their use for approval. Refurbished parts must have the same warranty as new parts.

Question:

- 5) XI. Purchases by Other Public Agencies – These prices are specific to the situation and environment of M-DCPS and like and/or similarly situated public agencies.

Response:

This is to advise that other governmental agencies in the State may utilize this bid for the items/services in this bid. They will be governed by the same terms and conditions stated herein.

Question:

- 6) XIV. C. Invoices - All our invoices are tendered as one original – they can make copies as necessary after receiving the invoice.

Response:

Invoices must be issued in duplicate as requested.

Question:

- 7) XVI. Compliance with Federal Regulations B - Except in cases of non-appropriation (including inability to obtain USF funding), both parties should be equally obligated to comply with their contractual obligations. This allows Vendors to price without worry that the benefit of their bargain will be taken away without cause.

On a related point, if the termination is not due to a Vendor default we request that M-DCPS provide payment for equipment which has been purchased by the Vendor but not yet delivered to M-DCPS. Vendors typically would be willing to complete delivery to M-DCPS of such already purchased equipment, but Vendors are typically either not able to return such equipment to the manufacturer, or are faced with payment of a substantial

Bid #102-EE04
On-Site Service for Telephone Equipment
Response To Questions

restocking charge if the manufacturer allows a return of the previously purchased equipment.

Response:

This will not be changed. MDCPS will only pay for equipment delivered. Equipment ordered, but not delivered, will not be paid for or accepted by MDCPS in the case of a default.

Question:

INDEMNIFICATION

As stated previously, we agree that a Vendor should indemnify and hold harmless Customer, their associated legal entities, and all their directors, officers, trustees, and employees from and against liability to third parties for damages to tangible property and bodily injury, including death, to the extent caused by the negligent or wrongful acts or omissions of the Vendor. However, we do not think that Vendors should be obligated to indemnify the School Board of Miami-Dade County from third party claims not resulting from that Vendor's fault.

Response:

Indemnification and Insurance is the School Board's standard and will not be changed.

Question:

INSURANCE

We normally request 10 business days after contract award to furnish certificates of insurance, bonds, etc. If this is not an option, then BellSouth will comply with stated timeframe from M-DCPS.

Also, the certificates are sent by our insurance companies and state that the issuer will *endeavor* to provide 30-days' notice of cancellation to the certificate(s) holder.

Response:

Certificates must be furnished as requested by MDCPS.

Question:

Special Conditions –

6. Delivery - Delivery of parts is sometimes out of the control of the vendor and or the manufacturer as individual circuit cards or components become backordered at the factory/manufacturer level. Can delivery date be mutually agreed upon by the Bidder and ITS staff in such a case instead of stating that it has to be within 30 days?

Response:

It is required that awarded vendors maintain adequate inventory of parts or have immediate access to parts in order to provide service as required for this bid. Purchase orders for new systems, equipment, must adhere to the schedule as defined in the scope of work and/or purchase order.

Question:

On-Site Service for Telephone Equipment Specifications
Bid, Pages 1 through 19 –

1) Contractor Responsibilities -

5.1 -Please define or go into further detail? Does M-DCPS expect the winning bidder to provide software updates at no cost for approximately 400 systems and install them at no cost to M-DCPS? Please note, this may artificially inflate our prices.

Response:

See attached addendum on Specification 4.1 and 5.1

Bid #102-EE04
On-Site Service for Telephone Equipment
Response To Questions

Question:

5.11 - If only 1 port is out on a 16 port card. Are you expecting to replace the whole card?

Response:

This would be dependent on card utilization and will be determined by ITS staff.

Question:

5.18 - Please define or go into further detail? Is ITS expecting the Bidder to include SEB remote alarming equipment in the price of a per service call? In the Pre-bidder's conference we were told that M-DCPS has a modem at each location. Is M-DCPS going to give the winning Bidder(s) access to these systems (400) via the existing M-DCPS modems or is the Bidder expected to place their own remote access devices at the site, i.e. Modems or SEBs? Who will pay for the local access charges for those devices, i.e. 1FBs and recurring monitoring service? Please note, this may artificially inflate our prices.

Response:

Vendor is not required to provide SEB devices. Vendor may utilize Districts modems and connectivity.

Question:

5.24 – As per the pre-bidder's conference, some calls will be simple troubles and others will be more complex system failures. This places the vendor in the position where M-DCPS will decide which is the most economical solution placing the vendors at a disadvantage in reference to recouping costs.

Response:

Bidder needs to understand this and bid accordingly.

Question:

Priorities for Service -

9.1 & 9.2 - We normally do not commit to any "repair" times and this provision stipulates "Service must be restored within six (6) hours of the initial...call." We cannot agree to on-site response commitments. Also, M-DCPS has provided a list of perceived "Emergencies" and unless multiples of these situations happen at the same time, it does not appear to fit our definition of a Major Failure (the failure of the equipment that substantially interferes with the normal conduct of a customer's business). We request any deviation from our categories, and/or "critical" designation(s) be negotiated and mutually agreed on prior to contract award.

Response:

Vendor must adhere to service levels defined in 9.0 Priorities for Service.

Question:

Training 11.2 - Please define or go into further detail? Is M-DCPS expecting, upon request, training from a certified trainer with a manufacture certified curriculum at no cost to M-DCPS without this training being associated with a new installation? Or, does M-DCPS expect to use this bid as a vehicle to gain access to manufacture certified curriculum training for the cost of the course? Does this need to be on-site or at a training facility in-state, or in the USA?

Response:

Pricing would be submitted as part of a response to a request for quote, to awarded vendors, based on a specific scope of work. Training sites would be based on the requirements and could include school or administrative sites, or training facilities in state or elsewhere in the United States.

Bid #102-EE04
On-Site Service for Telephone Equipment
Response To Questions

Question:

Facility Use, Clean Up and Protection 12.0 - We will repair or replace damage resulting from the installation effort, returning the installation area to its pre-installation condition.

Response:

Yes, vendors are expected to leave site in pre-installation condition and to repair or replace any damages resulting from the vendor's actions.

Question:

Non-Performance & Non-Compliance 16.0 - We normally request 30 days to cure any failure before being placed in default. We do not agree to deduction/withholding of monies or penalties and this paragraph stipulates we make payment of a penalty in numerous situations. We request that the amounts listed in this section be capped, and payable only if the delay is solely the result of our failure(s) or our subcontractors (if any), excluding any manufacturer or network delays, and delays due to any fault of M-DCPS and/or any contractor or subcontractor employed by M-DCPS or for problems resulting from causes beyond our reasonable control.

Response:

Poor performance is defined as vendors not meeting the service levels established in 9.0 Priorities for Service or not adhering to the scope of work on awarded projects/purchase orders. Timelines to cure are dependent on the situation and will be determined by ITS and Procurement Management Services. Penalties for non-compliance will be assessed based on 16.0 Non-Performance & Non-Compliance and are specific to the occurrence. Default provisions are outlined in VI. Awards, E. Default and changes to this provision will not be made.

Question:

Assignment of Contract 19.0– We should be allowed to assign the Contract (if necessary) to another one of our entities without M-DCPS's consent.

Response:

No.

Question:

Attachment A and B –

Line item 89 and 150. Can we give you % off of manufacture's list per manufacturer's product category (PBX, Key System), voice, data, wireless or are you looking for just 1 price?

Response:

A single % discount off list is desired.

Question:

Can the following language be used in place of the Miami-Dade County Public Schools Indemnification Section.

Limitation of Liability

Circumstances may arise where, because of a default on contractors part or other liability, you are entitled to recover damages from IBM. In each misrepresentation, or other contract or tort claim), contractor is liable for no more than:

1. payments referred to in the Patents and Copyrights section above;
2. damages for bodily injury (including death) and damage to real property and tangible personal property; and
3. the amount of any other actual direct damages up to the greater of \$100,000 or the charges (if recurring, 12 months' charges apply) for the Product or Service that is the subject of the claim. For purposes of this item, the term "Product" includes Materials, Machine Code, and LIC.

Bid #102-EE04
On-Site Service for Telephone Equipment
Response To Questions

This limit also applies to any of contractor's subcontractors and Program developers. It is the maximum for which contractor and its subcontractors and Program developers are collectively responsible.

Items for Which Contractor is Not Liable

Under no circumstances is contractor, its subcontractors, or Program developers liable for any of the following even if informed of their possibility:

1. loss of, or damage to, data;
2. special, incidental, or indirect damages or for any economic consequential damages; or
3. lost profits, business, revenue, goodwill, or anticipated savings.

Response:

Indemnification and Insurance is the School Board's standard and will not be changed.

Question:

Can a second opportunity to ask questions be granted - specifically to respond to the responses to any questions posed during this period?

Response:

Questions specific to the addendum are to be submitted no later than Friday, July 22, 2005, 12:00PM.

Question:

Can a copy of the pre-bid attendee list be provided to include name and company of those in attendance?

Response:

Attached

Question:

Is all the training specified in Section 11 to be provided at no additional expense to any equipment that is procured under this contract?

Response:

Pricing would be submitted as part of a response to a request for quote, to awarded vendors, based on a specific scope of work.

Question:

Does Miami-Dade County Schools intend to contract any of the awardees for consulting and/or solution design services under this contract?

Response:

No

Question:

In order to safeguard any outstanding warrantys existing on systems/equipment, will MDCPS agree to the following ;

Before ITS technicians attempt to repair or otherwise alter, modify or replace any components of Avaya/Nortel equipment as outlined in section 10.2 (On site service for telephone equipment specifications) ITS will seek prior consent of the contractor(s). The contractor(s) agree to be

Bid #102-EE04
On-Site Service for Telephone Equipment
Response To Questions

reasonable in granting such a request provided that ITS' technician is certified by the manufacturer to service the particular equipment/system in question .

Response:

No

Question:

Cross Telecom requests a clarification on the following bidder's qualification found on p. 4 of 19 of Bid #102-EE04, On Site Service for Telephone Equipment Specifications.

Since Cross will be proposing Avaya Global Services Maintenance is it acceptable that Avaya and Cross combined have a minimum total customer base as outlined above. When combined, Cross and Avaya easily meet this requirement. While Cross Telecom has been in business in other regions of the country for nearly ten years, we have not had a Florida presence long enough to build up the required customer base.

Response:

See attached addendum on Specification 4.1 and 5.1

Question:

Are individual system configurations available showing system type, port count, software release and age?

Response:

See attached

Question:

I'd like to thank M-DCPS for allowing us the opportunity to participate in this strategically important bid.

The attached document is the collaborative effort from a cross-sectional team within Nortel with only one goal in mind: To establish a long-term relationship with Miami-Dade County Public Schools. In order to create a solid foundation, we have highlighted areas of the bid that we'd like to get clarification on or in some sensitive cases, suggest strategic terms that allow each participant to achieve a win-win scenario.

We've tried to limit our areas of sensitivity and highlighted them appropriately in the attached. One example of a sensitivity we see is the request for all software fixes and updates at no charge. Under the terms of this bid, this could represent over \$2,000,000 of software alone **per request**. Multiple that by the number of times this would occur over a 3-5 year span and you hopefully understand our predicament. Although we highlight this one, the others have their own risks that are of equal concern that will either cause us (and potentially our partners) to no bid the solution, or factor the costs into our responses.

Response:

See attached addendum on Specification 4.1 and 5.1

Question:

Avaya understands the specific product and servicing needs of M-DCPS, including installation, custom services support, and response and restoration requirements that involve performance penalties. Avaya therefore wishes to facilitate a mutually beneficial, ongoing relationship with M-DCPS. With the understanding that the RFP response will become a contract vehicle, is the School Board Attorney's Office willing to review and negotiate custom agreement language that will be added to the RFP response to govern the terms and conditions under which both parties will be legally bound for provisioning purposes?

Bid #102-EE04
On-Site Service for Telephone Equipment
Response To Questions

Response:

This is a Term Bid Proposal, not a Request for Proposal; therefore there will be no opportunity to negotiate additional terms or provisions. The bid, Instructions to Bidders, Special Conditions and Specifications will govern. Bidders making changes will have qualified their bid, making it non-responsive and non-responsible, and the bid will not be considered for further review.

Question:

The bidder qualification form indicates that there is no performance security required on this bid. Section VII of the instructions to Bidders indicates that a Bond is required. Please clarify.

Response:

Section VII refers to individual projects. It is not anticipated that any single job at any district site will exceed the dollar value requiring a Bond.

Question:

In reference to Section 4.1, vendor qualification, would the School District be willing to consider expanding the parameter for references from State of Florida to Nationwide?

Response:

See attached addendum on Specification 4.1 and 5.1

Question:

On refurbished products, if the price or availability can not be guaranteed for the contract length, how would you like for the item to be priced if at all?
Example – telephone set that can only guarantee price or availability for six months due to age.

Response:

Refurbished parts may only be used when no new parts are available for the system. Documentation to this affect must be submitted to M-DCPS staff prior to their use for approval. Refurbished parts must have the same warranty as new parts. If only refurbished parts are available, it is understood that the availability may be limited and cannot be guaranteed by vendor.

Question:

“Should the contractor fail or neglect to perform the work properly and diligently in accord and compliance with the **schedules** agreed upon by M-DCPS,....”

Some contracts refer to various sections as “Schedules” and have that word in the titles, but I don’t see any titles indicating that there are any. Is the RFP document completes with all DCPS’s contract Schedules?

Response:

This is not an RFP but a Term Bid Proposal. The schedules, timelines, scope of work, will be defined for each project on a time and materials basis. If a Flat-Rate call it must be accomplished to meet the required service levels.

Question:

Is it possible for DCPS to provide some sample system configurations or sizes, based on their current systems, which are representative of those that would be typically supported under this agreement?

Bid #102-EE04
On-Site Service for Telephone Equipment
Response To Questions

Response:

See attached

Question:

Can different, example scopes of work describing move, add & change activities be provided?

Response:

It varies and is dependent on the occurrence.

Question:

What is meant by "extraordinary precautions" in 12.1?

Response:

The majority of the work takes place at school sites. The vendors are expected to take every step to ensure the well being of our staff and students.

Question:

What is the definition of "broom clean" in 12.6?

Response:

Swept clean, all debris, boxes etc removed from MDCPS property.

Question:

Please provide additional clarity for 12.7 & 12.8.

Response:

Vendor shall not block exits, hallways, corridors, driveways delivery areas, nor impede ingress or egress.

(Vendor cannot have equipment, trucks, supplies located in areas while working that block driveways, hallways, or corridors.)

Vendor shall not impede nor interfere with the normal function of the facility, its occupants or its programs.

(Vendor is to work with staff to ensure that normal function of the school or administrative site is not interfered with. Effort should be made to coordinate activities with school staff. Special note should be made of District Testing Dates and projects should not be scheduled at these times. <http://oada.dadeschools.net/SAET/2005-2006TentativeTestingCalendar.pdf>)

Question:

M-DCPS purchase orders are incorporated by reference into the RFP, which will become the legally binding document between the parties. Are there additional terms and conditions contained in the purchase order? If so, can we obtain a copy?

Response:

The terms and conditions of the Term Bid Proposal will be incorporated by reference into the purchase order. Reference on purchase orders is also made to:

All Provisions of Florida Statute 287.058 and 287.133(2), and Title 34 Section 80 and 85 CFR are incorporated by reference herein.

Question:

Can you please clarify how DCPS will determine low vendor?

Bid #102-EE04
On-Site Service for Telephone Equipment
Response To Questions

Response:

1.0 EVALUATION AND AWARD

- 1.1 *ITS will develop a pricing matrix for the most common types of Time and Material work for adds, moves, and changes, using the bidder's catalogs and time charges. Based on the matrix, and the cost per Flat-Rate Service Call, for maintenance and repair, an award will be made to the five (5) lowest responsive bidders per manufacturer, for Avaya and Nortel.*
- 1.2 *Award of a contract will be construed as M-DCPS' acceptance of the successful bidders' catalogs.*
- 1.3 *Bidders evaluated submissions will be ranked from low to high. Award will be made to the five (5) lowest responsive bidders per manufacturer, for Avaya and Nortel.*

Question:

Can you clarify the intent of 5.24

Response:

Vendor may be requested to supply to the District, upon request, all equipment and parts replaced.

Question:

Can a copy of DCPS's software and hardware standards be provided?

Response:

This is dependent upon the scope of work and will be supplied to the awarded vendors when quotes are required.

Question:

In section 4.4, information is called for that would have already been submitted on the Reference Sheet; do we need to submit it again?

Response:

The sheet was provided to facilitate your response.

Question:

At time of contract extension, are catalogue updates subject to CPI increases?

Response:

Current vendor and/or manufacturer catalog will be accepted. Vendor may increase but never decrease the discount offered off list price during the term of the contract.

Question:

Section 4.1 states a base of customers that qualified bidders must have in the State of Florida; in order to allow more competent companies to qualify, would DCPS consider changing the requirements to having the same base of customers nationwide?

Response:

See attached addendum on Specification 4.1 and 5.1

Bid #102-EE04
On-Site Service for Telephone Equipment
Response To Questions

Question:

Thank you for taking the time to answer our questions at yesterday's pre-bid meeting. I have one critical business imperative to bring to your attention. The stipulations defined in Section 4.1 are impossible for any Avaya distributor here in Florida to comply with due to the terms and conditions required of Avaya distributors.

In brief, our channel relationship requires that we/Universal Solutions North America (**an Avaya Platinum Level Distributor**) use Avaya services and maintenance for **any and all clients** Universal Solutions North America secures. Your feedback yesterday firmly indicated that we must have accomplished these installations in house (viz. USNA). **Avaya's channel structure prohibits this.** Unless this section is reconsidered, Miami Dade County Schools will limit the responses, and therefore options, they receive to the manufacturer (Avaya) exclusively. I do not believe this was the intent of this section.

The following are the challenges Section 4.1 (viz. Avaya respondents) creates for The School Board of Miami Dade County:

1. You will not receive 5 options on this bid. Perhaps 1 from the manufacturer exclusively.
2. **There are no Avaya distributors that can produce 50 Digital PBX and 200 non-PBX references installed in the State of Florida with in-house installation and maintenance. They would be pulled as an Avaya distributor based on Avaya's channel agreement to use only Avaya maintenance and installation services.**
3. This critically limits/eliminates the competitiveness of this bid (Avaya) and now it is reduced to one potentially qualified respondent-the manufacturer (other bid stipulations notwithstanding). This defeats the entire purpose of this bid. You would be better off purchasing directly from the State of Florida Contract when you consider the time and resources required/already consumed to pursue the bid process.
4. Future implications leave The School Board of Miami Dade County and its constituents extremely vulnerable if you only have a single vendor awarded/eligible for this contract. Likely scenarios include price competitiveness, availability (product and services) due to our natural disaster season here in FL, overstressed workload of a single vendor as well as time and velocity of contract execution requirements among others.

My recommendation:

Require a reasonable list of enterprise and government accounts (perhaps 20 each) that we have experience in positioning non-PBX as well as PBX solutions with on a national basis. Perhaps require an office location in the State of Florida.

The professionals at Universal Solutions North America and I look forward to earning The School Board of Miami Dade County's business.

Response:

See attached addendum on Specification 4.1 and 5.1

Question:

We are planning on participating on bid 102-EE04 as an Avaya representative/distributor. Is there an intent to bid form (Vendor Information Sheet) or the like that we need to send to you prior to the bid response deadline?

Response:

Bidders do not need to supply an intent to bid form. Bidders are reminded to submit responses by AUGUST 2, 2005, 2:00pm to Room 351, SBAB, 1450 NE 2nd Ave, Miami, FL 33132.

Bid #102-EE04
On-Site Service for Telephone Equipment
Response To Questions

Question:

What is meant by a brief description of inventory.

Response:

Vendor should provide a description of the inventory items typically maintained at their facility.

Question:

When will responses be posted to the web?

Response:

As soon as possible.

Question:

What is the Occupational Requirement?

Response:

Any person, firm, corporation or joint venture, with a business location in Miami-Dade County, Florida, which is submitting a bid, shall meet the County's Occupational License Tax requirements in accordance with Chapter 8A, Article IX of the Code of Miami-Dade County, Florida. Bidders with a location outside Miami-Dade County shall meet their local Occupational Tax requirements. A copy of the license is requested to be submitted with the Bid Proposal. If the Bidder has already complied with this requirement, a new copy is not required while the license is valid and in effect. It is the Bidder's responsibility to resubmit a copy of a new license after expiration or termination of the current license. Non-compliance with this condition may cause the bid not to be considered for award.

Question:

Do you want us to supply the information for the manufactures capabilities.

Response:

Responses should be the Bidders capabilities and/or that as a result of their direct manufacturer relationship.

Question:

How will site inspections be handled?

Response:

Inspections will be handled through ISS, Supervisor II Telecommunications, 305-995-3332.

Question:

Who needs to supply the references?

Response:

The bidder needs to submit the references.

Question:

Can the District provide more information on the equipment list?

Response:

See attached

Question:

How does the District intend to handle manufacturer discontinued items?

Bid #102-EE04
On-Site Service for Telephone Equipment
Response To Questions

Response:

If the manufacturer has a suggested replacement the District will expect the vendor to utilize this for replacements. If no substitute is available, a refurbished part may be used. Documentation to this affect must be submitted to M-DCPS staff prior to their use for approval. Refurbished parts must have the same warranty as new parts.

Question:

How many adds, moves and changes?

Response:

It varies from adding one line to entire systems.

Question:

Is the Pre-Bid Conference mandatory?

Response:

No.

Question:

Can a vendor use remote diagnostics?

Response:

Yes

Question:

Clarify Software upgrades/fixes.

Response:

See attached addendum on Specification 4.1 and 5.1

Question:

Clarify Training costs.

Response:

Pricing would be submitted as part of a response to a request for quote, to awarded vendors, based on a specific scope of work. Training sites would be based on the requirements and could include school or administrative sites, or training facilities in state or elsewhere in the United States.

Available Additional Equipment Information

System Type	Approximate # of Systems
Nortel	
Option 11c	120 (70 Md, 40 Sr. & 10 Admin)
NorStar	210 (200 EI & 10 Admin)
AVAYA	
8700	2 (Admin)
8300	1 (Admin)
Si	4 (Vocational School & Admin)
Merlin / Legend	20 (Small School, Admin & Support)

Available Additional Equipment Information

Nortel Typical Configurations

Middle Schools (Nortel Option 11c)	
2	Cabinets
2	Digital Line Cards
11	Analog Line Cards
1	T1 Card
1	SSC Card
1	Universal Trunk Card
1	Maintenance Terminal
1	ADTRAM
1	Modem for PBX
1	CallPilot 8 ports, 250 Mailboxes, 200 hours
1	Modem for CallPilot
1	UPS - Oneac (4 Hour)

Senior Schools (Nortel Option 11c)	
3	Cabinets
5	Digital Line Cards
19	Analog Line Cards
1	T1 Card
1	SSC Card
1	Universal Trunk Card
1	Maintenance Terminal
1	ADTRAM
1	Modem for PBX
1	CallPilot 12 ports, 350 Mailboxes, 200 hours
1	Modem for CallPilot
1	UPS - Oneac (4 Hour)

Admin Centers (Nortel Option 11c)	
3	Cabinets
9	Digital Line Cards
8	Analog Line Cards
2	T1 Card
1	SSC Card
2	Universal Trunk Card
1	Maintenance Terminal
2	ADTRAM
1	CallPilot 12 ports, 300 Mailboxes, 350 hours
1	Modem for CallPilot
1	Modem for PBX
1	UPS - Oneac (4 Hour)

Elementary Schools (Nortel Norstar)	
6	ASM
1	Modular ICS
1	Flash Card
1	Trunk Card
1	T1 Card
1	6-Port Combo Card
	or
1	Clock Card and
1	2-Port Fiber Card
1	Startalk Flash Voice Mail
	or
1	NAM
1	UPS - Alpha (4 Hour)

Available Additional Equipment Information

Board Number	Board Type	Code
001V1	ICC MM	S8300
001V2	DS1 MM	MM710
001V3	ANA MM	MM711
001V4	DCP MM	MM717
001V9	MG-ANNOUNCEMENT	VMM-ANN
002V1	DS1 MM	MM710
002V2	ANA MM	MM711
002V3	ANA MM	MM711
002V4	DCP MM	MM717
003V2	ANA MM	MM711
003V3	ANA MM	MM711
003V4	DCP MM	MM717
004V2	ANA MM	MM711
004V3	ANA MM	MM711
004V4	DCP MM	MM717
005V1	ICC MM	S8300
005V2	ANA MM	MM711
005V3	ANA MM	MM711
005V4	DCP MM	MM717
005V9	MG-ANNOUNCEMENT	VMM-ANN
006V1	DS1 MM	MM710
006V2	ANA MM	MM711
006V3	ANA MM	MM711
006V4	DCP MM	MM717

Available Additional Equipment Information

Avaya Merlin/Legend	
3	Cabinets
5	408 Modules
2	800 Modules
3	012 Modules
4	008 Modules
2	016 Modules

Available Additional Equipment Information

Board Number	Board Type	Code
01A01	DIGITAL LINE	TN2181
01A03	ANALOG LINE	TN746
01A04	ANALOG LINE	TN746
01A05	ANALOG LINE	TN746
01A06	ANALOG LINE	TN746
01A07	ANALOG LINE	TN746
01A08	ANALOG LINE	TN746
01A09	CONTROL-LAN	TN799
01A10	CONTROL-LAN	TN799
01A11	DIGITAL LINE	TN2224
01A13	DS1 INTERFACE	TN464
01A14	CO TRUNK	TN747
01A15	AUXILIARY TRUNK	TN763
01A16	DS1 INTERFACE	TN464
01B01	DIGITAL LINE	TN2181
01B02	DIGITAL LINE	TN754
01B03	ANALOG LINE	TN746
01B04	ANALOG LINE	TN746
01B05	ANALOG LINE	TN746
01B06	ANALOG LINE	TN746
01B07	ANALOG LINE	TN746
01B08	ANALOG LINE	TN746
01B09	HYBRID LINE	TN762
01B10	ANALOG LINE	TN746
01B11	DIGITAL LINE	TN2224
01B12	DIGITAL LINE	TN754
01B14	MAINTENANCE/TEST	TN771
01B15	DS1 INTERFACE	TN464
01B16	DS1 INTERFACE	TN464
01B17	CO TRUNK	TN747
01B18	CO TRUNK	TN747
01A	PROCESSOR	TN2404
01A	NETCON/PKTINT	TN2401
01A	TONE/CLOCK	TN2182

Available Additional Equipment Information

Board Number	Board Type	Code
01A02	DIGITAL LINE	TN754
01A03	TONE DETECTOR	TN748
01A04	DIGITAL LINE	TN754
01A05	DIGITAL LINE	TN754
01A06	AUXILIARY TRUNK	TN763
01A07	DS1 INTERFACE	TN464
01A08	CO TRUNK	TN747
01A09	CO TRUNK	TN747
01A10	CONTROL-LAN	TN799
01A11	CONTROL-LAN	TN799
01A13	ANALOG LINE	TN793
01A14	DIGITAL LINE	TN2224
01A15	DS1 INTERFACE	TN464
01A16	MAINTENANCE/TEST	TN771
01B01	TONE DETECTOR	TN748
01B02	DIGITAL LINE	TN754
01B03	DIGITAL LINE	TN754
01B04	DIGITAL LINE	TN754
01B05	ANALOG LINE	TN742
01B06	DIGITAL LINE	TN2224
01B07	ANALOG LINE	TN742
01B08	ANALOG LINE	TN742
01B09	ANALOG LINE	TN742
01B10	ANALOG LINE	TN742
01B12	DIGITAL LINE	TN2224
01B13	ANALOG LINE	TN742
01B17	ANALOG LINE	TN746
01B18	CO TRUNK	TN747
01C01	TONE DETECTOR	TN748
01C02	DIGITAL LINE	TN754
01C03	DIGITAL LINE	TN754
01C04	ANALOG LINE	TN742
01C05	ANALOG LINE	TN742
01C06	ANALOG LINE	TN742
01C07	ANALOG LINE	TN742
01C08	ANALOG LINE	TN742
01C09	ANALOG LINE	TN742
01C10	ANALOG LINE	TN742
01C11	ANALOG LINE	TN742
01C12	ANALOG LINE	TN742
01C13	ANALOG LINE	TN742
01C14	DIGITAL LINE	TN754
01C15	POOLED MODEM	TN758
01C16	DIGITAL LINE	TN754
01C17	DS1 INTERFACE	TN464
01C18	CO TRUNK	TN747
01A	PROCESSOR	TN2404
01A	PROCR INTERFACE 1	TN765
01A	NETCON/PKTINT	TN2401
01A	TONE/CLOCK	TN2182

Available Additional Equipment Information

Board Number	Board Type	Code
01A01	EXPANSION INTRFC	TN570
01A03	CONTROL-LAN	TN799
01A04	CONTROL-LAN	TN799
01A05	VAL-ANNOUNCEMENT	TN2501
01A07	DIGITAL LINE	TN754
01A12	ANALOG LINE	TN793
01A13	DIGITAL LINE	TN2224
01A14	DIGITAL LINE	TN2224
01A15	DIGITAL LINE	TN2224
01A16	IP MEDIA PROCESSOR	TN2302
01A19	DS1 INTERFACE	TN464
01B01	IP SERVER INTFC	TN2312
01B02	EXPANSION INTRFC	TN570
01B03	CONTROL-LAN	TN799
01B14	DIGITAL LINE	TN2224
01B15	DIGITAL LINE	TN2224
01B16	IP MEDIA PROCESSOR	TN2302
01B17	IP MEDIA PROCESSOR	TN2302
01B20	DS1 INTERFACE	TN464
01C01	SPEECH SYNTH.	TN725
01C03	SPEECH SYNTH.	TN725
01C04	CALL CLASSIFIER	TN744
01C08	MAINTENANCE/TEST	TN771
01C11	DIGITAL LINE	TN2224
01C12	ANALOG LINE	TN746
01C13	ANALOG LINE	TN746
01C14	DIGITAL LINE	TN754
01C15	DIGITAL LINE	TN754
01C16	DIGITAL LINE	TN754
01C17	DIGITAL LINE	TN754
01C18	DIGITAL LINE	TN754
01C19	AUXILIARY TRUNK	TN763
01C20	CO TRUNK	TN747
01D00	SPEECH SYNTH.	TN725
01D01	CALL CLASSIFIER	TN744
01D03	SPEECH SYNTH.	TN725
01D04	ANALOG LINE	TN746
01D05	ANALOG LINE	TN746
01D06	ANALOG LINE	TN746
01D07	ANALOG LINE	TN746
01D08	ANALOG LINE	TN746
01D09	ANALOG LINE	TN746
01D10	ANALOG LINE	TN746
01D11	DIGITAL LINE	TN754
01D12	DIGITAL LINE	TN754
01D13	DIGITAL LINE	TN754
01D14	DIGITAL LINE	TN754
01D15	DIGITAL LINE	TN754
01D16	DIGITAL LINE	TN754
01D17	DIGITAL LINE	TN754
01D18	DIGITAL LINE	TN754

Available Additional Equipment Information

Board Number	Board Type	Code
01D19	POOLED MODEM	TN758
01D20	DS1 INTERFACE	TN464
02A01	EXPANSION INTRFC	TN570
02A02	MAINTENANCE/TEST	TN771
02A03	ANALOG LINE	TN746
02A04	ANALOG LINE	TN746
02A05	ANALOG LINE	TN746
02A06	ANALOG LINE	TN746
02A07	ANALOG LINE	TN746
02A08	ANALOG LINE	TN746
02A09	ANALOG LINE	TN746
02A10	DIGITAL LINE	TN754
02A11	DIGITAL LINE	TN754
02A12	DIGITAL LINE	TN754
02A13	CO TRUNK	TN747
02A14	ANALOG LINE	TN742
02A15	DIGITAL LINE	TN754
02A16	ANALOG LINE	TN793
02A17	ANALOG LINE	TN746
02B00	CALL CLASSIFIER	TN744
02B01	TONE/CLOCK	TN2182
02B02	EXPANSION INTRFC	TN570
02B03	ANALOG LINE	TN746
02B04	ANALOG LINE	TN746
02B05	ANALOG LINE	TN746
02B06	ANALOG LINE	TN746
02B07	ANALOG LINE	TN746
02B08	ANALOG LINE	TN746
02B09	ANALOG LINE	TN746
02B10	ANALOG LINE	TN742
02B11	ANALOG LINE	TN742
02B12	HYBRID LINE	TN762
02B13	ANALOG LINE	TN742
02B14	DS1 INTERFACE	TN464
02B15	ANALOG LINE	TN742
02B16	CO TRUNK	TN747
02B17	ANALOG LINE	TN742
02B18	CO TRUNK	TN747
02B19	ANALOG LINE	TN746
02B20	ANALOG LINE	TN746
02C00	CALL CLASSIFIER	TN744
02C02	DS1 INTERFACE	TN464
02C04	DS1 INTERFACE	TN464
02C05	DIGITAL LINE	TN754
02C06	DIGITAL LINE	TN754
02C07	DIGITAL LINE	TN754
02C08	DIGITAL LINE	TN754
02C09	DIGITAL LINE	TN754
02C10	DIGITAL LINE	TN754
02C11	DIGITAL LINE	TN754
02C12	ANALOG LINE	TN742

Available Additional Equipment Information

Board Number	Board Type	Code
02C13	DIGITAL LINE	TN754
02C14	DIGITAL LINE	TN754
02C15	DIGITAL LINE	TN754
02C16	DIGITAL LINE	TN754
02C17	DIGITAL LINE	TN754
02C18	DIGITAL LINE	TN754
02D01	CALL CLASSIFIER	TN744
02D02	DIGITAL LINE	TN754
02D03	DIGITAL LINE	TN754
02D04	DS1 INTERFACE	TN464
02D05	DIGITAL LINE	TN754
02D06	DIGITAL LINE	TN754
02D07	DIGITAL LINE	TN754
02D08	CO TRUNK	TN747
02D10	DIGITAL LINE	TN754
02D11	DIGITAL LINE	TN754
02D12	ANALOG LINE	TN742
02D14	ANALOG LINE	TN746
02D15	ANALOG LINE	TN746
02D16	CO TRUNK	TN747
02D17	ANALOG LINE	TN746
02D18	ANALOG LINE	TN746
02D19	ANALOG LINE	TN746
02D20	ANALOG LINE	TN746
01A	MAINTENANCE	TN775
01A	IP SERVER INTFC	TN2312
01B	IP SERVER INTFC	TN2312
02A	MAINTENANCE	TN775
02A	TONE/CLOCK	TN2182
02B	TONE/CLOCK	TN2182

Available Additional Equipment Information

Board Number	Board Type	Code
01A01	DIGITAL LINE	TN754
01A02	DIGITAL LINE	TN754
01A03	DIGITAL LINE	TN754
01A04	ANALOG LINE	TN746
01A05	CONTROL-LAN	TN799
01A06	CONTROL-LAN	TN799
01A07	CONTROL-LAN	TN799
01A08	CALL CLASSIFIER	TN744
01A09	MAINTENANCE/TEST	TN771
01B00	TONE DETECTOR	TN748
01B01	DIGITAL LINE	TN754
01B02	DIGITAL LINE	TN754
01B03	DIGITAL LINE	TN754
01B04	ANALOG LINE	TN746
01B05	ANALOG LINE	TN746
01B06	ANALOG LINE	TN746
01B07	ANALOG LINE	TN746
01B08	ANALOG LINE	TN746
01B09	ANALOG LINE	TN746
01B10	DIGITAL LINE	TN2181
01B11	DIGITAL LINE	TN754
01B12	DIGITAL LINE	TN2224
01B13	DIGITAL LINE	TN754
01B14	CO TRUNK	TN747
01B17	TONE DETECTOR	TN748
01B18	CO TRUNK	TN747
01B19	CO TRUNK	TN747
01B20	CO TRUNK	TN747
01C00	TONE DETECTOR	TN748
01C01	DIGITAL LINE	TN754
01C02	DIGITAL LINE	TN754
01C03	ANALOG LINE	TN746
01C04	ANALOG LINE	TN746
01C05	ANALOG LINE	TN746
01C06	ANALOG LINE	TN746
01C07	ANALOG LINE	TN746
01C08	DIGITAL LINE	TN754
01C09	ANALOG LINE	TN746
01C10	DIGITAL LINE	TN2224
01C11	ANALOG LINE	TN793
01C18	CO TRUNK	TN747
01C19	CO TRUNK	TN747
01C20	CO TRUNK	TN747
01A	PROCESSOR	TN2404
01A	PROCR INTERFACE 1	TN765
01A	NETCON/PKTINT	TN2401
01A	NET/PKT BP CONN	TN2400
01A	TONE/CLOCK	TN768

Available Additional Equipment Information

Board Number	Board Type	Code
01A01	EXPANSION INTRFC	TN570
01A02	CALL CLASSIFIER	TN744
01A03	CONTROL-LAN	TN799
01A04	CONTROL-LAN	TN799
01A05	VAL-ANNOUNCEMENT	TN2501
01A06	DIGITAL LINE	TN2224
01A07	DIGITAL LINE	TN2224
01A08	DIGITAL LINE	TN2224
01A09	DIGITAL LINE	TN2224
01A10	DIGITAL LINE	TN2224
01A13	VAL-ANNOUNCEMENT	TN2501
01A16	IP MEDIA PROCESSOR	TN2302
01A17	DS1 INTERFACE	TN464
01A18	DS1 INTERFACE	TN464
01A19	DS1 INTERFACE	TN464
01B01	IP SERVER INTFC	TN2312
01B02	EXPANSION INTRFC	TN570
01B03	CONTROL-LAN	TN799
01B04	CONTROL-LAN	TN799
01B05	DIGITAL LINE	TN2224
01B06	DIGITAL LINE	TN2224
01B07	DIGITAL LINE	TN2224
01B08	DIGITAL LINE	TN2224
01B09	DIGITAL LINE	TN2224
01B10	DIGITAL LINE	TN2224
01B11	DIGITAL LINE	TN2224
01B12	DIGITAL LINE	TN2224
01B16	IP MEDIA PROCESSOR	TN2302
01B17	IP MEDIA PROCESSOR	TN2302
01B18	DS1 INTERFACE	TN464
01B19	DS1 INTERFACE	TN464
01B20	DS1 INTERFACE	TN464
01C00	TONE DETECTOR	TN748
01C05	DIGITAL LINE	TN754
01C06	DIGITAL LINE	TN754
01C07	MAINTENANCE/TEST	TN771
01C08	DIGITAL LINE	TN754
01C09	DIGITAL LINE	TN754
01C10	DIGITAL LINE	TN754
01C11	DIGITAL LINE	TN754
01C12	DIGITAL LINE	TN754
01C13	DIGITAL LINE	TN754
01C14	DIGITAL LINE	TN754
01C15	ANALOG LINE	TN746
01C16	ANALOG LINE	TN746
01C17	ANALOG LINE	TN746
01C18	ANALOG LINE	TN746
01D02	SWITCH NODE INTF	TN573
01D03	SWITCH NODE INTF	TN573
01D04	SWITCH NODE INTF	TN573
01D10	SWITCH NODE CLOCK	TN572

Available Additional Equipment Information

Board Number	Board Type	Code
01D19	SWITCH NODE INTF	TN573
01D20	SWITCH NODE INTF	TN573
01E02	SWITCH NODE INTF	TN573
01E03	SWITCH NODE INTF	TN573
01E04	SWITCH NODE INTF	TN573
01E10	SWITCH NODE CLOCK	TN572
01E19	SWITCH NODE INTF	TN573
01E20	SWITCH NODE INTF	TN573
02A01	EXPANSION INTRFC	TN570
02A03	DIGITAL LINE	TN754
02A04	DIGITAL LINE	TN754
02A05	DIGITAL LINE	TN754
02A06	DIGITAL LINE	TN754
02A07	DIGITAL LINE	TN754
02A08	DIGITAL LINE	TN754
02A09	DIGITAL LINE	TN754
02A10	DIGITAL LINE	TN754
02A11	DIGITAL LINE	TN754
02A12	DIGITAL LINE	TN754
02A13	DIGITAL LINE	TN754
02A14	DIGITAL LINE	TN754
02A15	DIGITAL LINE	TN754
02A16	ANALOG LINE	TN746
02A17	ANALOG LINE	TN746
02A18	ANALOG LINE	TN746
02A19	DS1 INTERFACE	TN464
02B00	TONE DETECTOR	TN748
02B01	TONE/CLOCK	TN768
02B02	EXPANSION INTRFC	TN570
02B03	DIGITAL LINE	TN754
02B04	DIGITAL LINE	TN754
02B05	DIGITAL LINE	TN754
02B06	DIGITAL LINE	TN754
02B07	DIGITAL LINE	TN754
02B08	DIGITAL LINE	TN754
02B09	DIGITAL LINE	TN754
02B10	DIGITAL LINE	TN754
02B11	DIGITAL LINE	TN754
02B12	DIGITAL LINE	TN754
02B13	DIGITAL LINE	TN754
02B14	DIGITAL LINE	TN754
02B15	ANALOG LINE	TN746
02B16	ANALOG LINE	TN746
02B17	ANALOG LINE	TN746
02B18	ANALOG LINE	TN746
02B19	ANALOG LINE	TN746
02B20	DS1 INTERFACE	TN464
02C00	TONE DETECTOR	TN748
02C01	DIGITAL LINE	TN754
02C02	DIGITAL LINE	TN754
02C03	DIGITAL LINE	TN754

Available Additional Equipment Information

Board Number	Board Type	Code
02C04	DIGITAL LINE	TN754
02C05	DIGITAL LINE	TN754
02C06	DIGITAL LINE	TN754
02C07	DIGITAL LINE	TN754
02C08	DIGITAL LINE	TN754
02C09	DIGITAL LINE	TN754
02C10	DIGITAL LINE	TN754
02C11	DIGITAL LINE	TN754
02C12	DIGITAL LINE	TN754
02C13	DIGITAL LINE	TN754
02C14	DIGITAL LINE	TN754
02C15	ANALOG LINE	TN746
02C16	ANALOG LINE	TN746
02C17	ANALOG LINE	TN746
02C18	ANALOG LINE	TN746
02C19	DS1 INTERFACE	TN464
02C20	DS1 INTERFACE	TN464
02D00	SPEECH SYNTH.	TN725
02D01	DIGITAL LINE	TN754
02D02	DIGITAL LINE	TN754
02D03	DIGITAL LINE	TN754
02D04	DIGITAL LINE	TN754
02D05	DIGITAL LINE	TN754
02D06	DIGITAL LINE	TN754
02D07	DIGITAL LINE	TN754
02D08	DIGITAL LINE	TN754
02D09	DIGITAL LINE	TN754
02D10	DIGITAL LINE	TN754
02D11	DIGITAL LINE	TN754
02D12	DIGITAL LINE	TN754
02D13	DIGITAL LINE	TN754
02D14	ANALOG LINE	TN746
02D15	ANALOG LINE	TN746
02D16	ANALOG LINE	TN746
02D17	ANALOG LINE	TN746
02D18	ANALOG LINE	TN746
02D19	MAINTENANCE/TEST	TN771
02D20	DS1 INTERFACE	TN464
02E01	DIGITAL LINE	TN754
02E02	DIGITAL LINE	TN754
02E03	DIGITAL LINE	TN754
02E04	DIGITAL LINE	TN754
02E05	DIGITAL LINE	TN754
02E06	DIGITAL LINE	TN754
02E07	DIGITAL LINE	TN754
02E08	DIGITAL LINE	TN754
02E09	DIGITAL LINE	TN754
02E10	DIGITAL LINE	TN754
02E11	DIGITAL LINE	TN754
02E12	DIGITAL LINE	TN754
02E13	DIGITAL LINE	TN754

Available Additional Equipment Information

Board Number	Board Type	Code
02E14	ANALOG LINE	TN746
02E15	ANALOG LINE	TN746
02E16	ANALOG LINE	TN746
02E17	ANALOG LINE	TN746
02E18	ANALOG LINE	TN746
02E19	DS1 INTERFACE	TN464
02E20	DS1 INTERFACE	TN464
03A01	EXPANSION INTRFC	TN570
03A02	DATA LINE	TN726
03A03	DIGITAL LINE	TN754
03A04	DIGITAL LINE	TN754
03A05	DIGITAL LINE	TN754
03A06	DIGITAL LINE	TN754
03A07	DIGITAL LINE	TN754
03A08	DIGITAL LINE	TN754
03A09	DIGITAL LINE	TN754
03A10	DIGITAL LINE	TN754
03A11	DIGITAL LINE	TN754
03A12	DIGITAL LINE	TN754
03A13	DIGITAL LINE	TN754
03A14	DIGITAL LINE	TN754
03A15	DIGITAL LINE	TN754
03A16	ANALOG LINE	TN746
03A17	ANALOG LINE	TN746
03A18	ANALOG LINE	TN746
03A19	DS1 INTERFACE	TN464
03B00	TONE DETECTOR	TN748
03B01	TONE/CLOCK	TN768
03B02	EXPANSION INTRFC	TN570
03B03	DIGITAL LINE	TN754
03B04	DIGITAL LINE	TN754
03B05	DIGITAL LINE	TN754
03B06	DIGITAL LINE	TN754
03B07	DIGITAL LINE	TN754
03B08	DIGITAL LINE	TN754
03B09	DIGITAL LINE	TN754
03B10	DIGITAL LINE	TN754
03B11	DIGITAL LINE	TN754
03B12	DIGITAL LINE	TN754
03B13	DIGITAL LINE	TN754
03B14	DIGITAL LINE	TN754
03B15	ANALOG LINE	TN746
03B16	ANALOG LINE	TN746
03B17	ANALOG LINE	TN746
03B18	ANALOG LINE	TN746
03B19	ANALOG LINE	TN746
03B20	ANALOG LINE	TN793
03C00	TONE DETECTOR	TN748
03C01	DIGITAL LINE	TN754
03C02	DIGITAL LINE	TN754
03C03	DIGITAL LINE	TN754

Available Additional Equipment Information

Board Number	Board Type	Code
03C04	DIGITAL LINE	TN754
03C05	DIGITAL LINE	TN2224
03C06	DIGITAL LINE	TN754
03C07	DIGITAL LINE	TN754
03C08	DIGITAL LINE	TN754
03C09	DIGITAL LINE	TN754
03C10	DIGITAL LINE	TN754
03C11	ANALOG LINE	TN793
03C12	DIGITAL LINE	TN754
03C13	DIGITAL LINE	TN754
03C14	ANALOG LINE	TN793
03C15	ANALOG LINE	TN746
03C16	ANALOG LINE	TN746
03C17	ANALOG LINE	TN746
03C18	ANALOG LINE	TN746
03C19	HYBRID LINE	TN762
03C20	DS1 INTERFACE	TN464
03D01	DIGITAL LINE	TN754
03D02	DIGITAL LINE	TN754
03D03	DIGITAL LINE	TN754
03D04	DIGITAL LINE	TN754
03D05	DIGITAL LINE	TN754
03D06	DIGITAL LINE	TN754
03D07	DIGITAL LINE	TN754
03D08	DIGITAL LINE	TN754
03D09	DIGITAL LINE	TN754
03D10	DIGITAL LINE	TN754
03D11	DIGITAL LINE	TN2224
03D12	ANALOG LINE	TN746
03D13	ANALOG LINE	TN746
03D14	ANALOG LINE	TN746
03D15	ANALOG LINE	TN746
03D16	ANALOG LINE	TN746
03D17	ANALOG LINE	TN746
03D18	ANALOG LINE	TN746
03D19	MAINTENANCE/TEST	TN771
03D20	DS1 INTERFACE	TN464
03E01	DIGITAL LINE	TN754
03E02	DIGITAL LINE	TN754
03E03	DIGITAL LINE	TN754
03E04	DIGITAL LINE	TN754
03E05	DIGITAL LINE	TN754
03E06	DIGITAL LINE	TN754
03E07	DIGITAL LINE	TN754
03E08	DIGITAL LINE	TN754
03E09	DIGITAL LINE	TN754
03E10	DIGITAL LINE	TN754
03E11	DIGITAL LINE	TN754
03E12	DIGITAL LINE	TN754
03E13	ANALOG LINE	TN746
03E14	ANALOG LINE	TN746

Available Additional Equipment Information

Board Number	Board Type	Code
03E15	ANALOG LINE	TN746
03E16	ANALOG LINE	TN746
03E17	ANALOG LINE	TN746
03E18	ANALOG LINE	TN746
03E19	DS1 INTERFACE	TN464
03E20	DS1 INTERFACE	TN464
04A01	EXPANSION INTRFC	TN570
04A02	DIGITAL LINE	TN754
04A03	DIGITAL LINE	TN754
04A04	DIGITAL LINE	TN754
04A05	DIGITAL LINE	TN754
04A06	DIGITAL LINE	TN754
04A07	DIGITAL LINE	TN754
04A08	DIGITAL LINE	TN754
04A09	DIGITAL LINE	TN754
04A10	DIGITAL LINE	TN754
04A11	DIGITAL LINE	TN754
04A12	DIGITAL LINE	TN754
04A13	DIGITAL LINE	TN754
04A14	DIGITAL LINE	TN754
04A15	DIGITAL LINE	TN754
04A16	ANALOG LINE	TN746
04A17	ANALOG LINE	TN746
04A18	ANALOG LINE	TN746
04A19	DS1 INTERFACE	TN464
04B00	TONE DETECTOR	TN748
04B01	TONE/CLOCK	TN768
04B02	EXPANSION INTRFC	TN570
04B03	DIGITAL LINE	TN754
04B04	DIGITAL LINE	TN754
04B05	DIGITAL LINE	TN754
04B06	DIGITAL LINE	TN754
04B07	DIGITAL LINE	TN754
04B08	DIGITAL LINE	TN754
04B09	DIGITAL LINE	TN754
04B10	DIGITAL LINE	TN754
04B11	DIGITAL LINE	TN754
04B12	ANALOG LINE	TN746
04B13	ANALOG LINE	TN746
04B14	ANALOG LINE	TN746
04B15	ANALOG LINE	TN746
04B16	ANALOG LINE	TN746
04B17	ANALOG LINE	TN746
04B18	ANALOG LINE	TN746
04B19	ANALOG LINE	TN746
04B20	DS1 INTERFACE	TN464
04C00	TONE DETECTOR	TN748
04C01	DIGITAL LINE	TN754
04C02	DIGITAL LINE	TN754
04C03	DIGITAL LINE	TN754
04C04	DIGITAL LINE	TN754

Available Additional Equipment Information

Board Number	Board Type	Code
04C05	DIGITAL LINE	TN754
04C06	DIGITAL LINE	TN754
04C07	DIGITAL LINE	TN754
04C08	DIGITAL LINE	TN754
04C09	DIGITAL LINE	TN754
04C10	DIGITAL LINE	TN754
04C11	DIGITAL LINE	TN754
04C12	DIGITAL LINE	TN754
04C13	DIGITAL LINE	TN754
04C15	ANALOG LINE	TN746
04C16	ANALOG LINE	TN746
04C17	ANALOG LINE	TN746
04C18	ANALOG LINE	TN746
04C19	HYBRID LINE	TN762
04C20	DS1 INTERFACE	TN464
04D01	DIGITAL LINE	TN754
04D02	DIGITAL LINE	TN754
04D03	DIGITAL LINE	TN754
04D04	DIGITAL LINE	TN754
04D05	DIGITAL LINE	TN754
04D06	DIGITAL LINE	TN754
04D07	DIGITAL LINE	TN754
04D08	DIGITAL LINE	TN754
04D09	DIGITAL LINE	TN754
04D10	ANALOG LINE	TN746
04D11	ANALOG LINE	TN746
04D12	ANALOG LINE	TN746
04D13	ANALOG LINE	TN746
04D14	ANALOG LINE	TN746
04D15	ANALOG LINE	TN746
04D16	ANALOG LINE	TN746
04D17	ANALOG LINE	TN746
04D18	ANALOG LINE	TN746
04D19	MAINTENANCE/TEST	TN771
04D20	DS1 INTERFACE	TN464
04E01	DIGITAL LINE	TN754
04E02	DIGITAL LINE	TN754
04E03	DIGITAL LINE	TN754
04E04	DIGITAL LINE	TN754
04E05	DIGITAL LINE	TN754
04E06	DIGITAL LINE	TN754
04E07	DIGITAL LINE	TN754
04E08	DIGITAL LINE	TN754
04E09	DIGITAL LINE	TN754
04E10	DIGITAL LINE	TN754
04E11	DIGITAL LINE	TN754
04E12	DIGITAL LINE	TN754
04E13	ANALOG LINE	TN746
04E14	ANALOG LINE	TN746
04E15	ANALOG LINE	TN746
04E16	ANALOG LINE	TN746

Available Additional Equipment Information

Board Number	Board Type	Code
04E17	ANALOG LINE	TN746
04E18	ANALOG LINE	TN746
04E19	DS1 INTERFACE	TN464
04E20	DS1 INTERFACE	TN464
05A01	EXPANSION INTRFC	TN570
05A02	DIGITAL LINE	TN754
05A03	DIGITAL LINE	TN754
05A04	DIGITAL LINE	TN754
05A05	DIGITAL LINE	TN754
05A06	DIGITAL LINE	TN754
05A07	DIGITAL LINE	TN754
05A08	DIGITAL LINE	TN754
05A09	DIGITAL LINE	TN754
05A10	DIGITAL LINE	TN754
05A11	DIGITAL LINE	TN754
05A12	DIGITAL LINE	TN754
05A13	DIGITAL LINE	TN754
05A14	DIGITAL LINE	TN754
05A15	DIGITAL LINE	TN754
05A16	ANALOG LINE	TN746
05A17	ANALOG LINE	TN746
05A18	ANALOG LINE	TN746
05A19	DS1 INTERFACE	TN464
05B00	TONE DETECTOR	TN748
05B01	TONE/CLOCK	TN768
05B02	EXPANSION INTRFC	TN570
05B03	DIGITAL LINE	TN754
05B04	DIGITAL LINE	TN754
05B05	DIGITAL LINE	TN754
05B06	DIGITAL LINE	TN754
05B07	DIGITAL LINE	TN754
05B08	DIGITAL LINE	TN754
05B09	DIGITAL LINE	TN754
05B10	DIGITAL LINE	TN754
05B11	DIGITAL LINE	TN754
05B12	DIGITAL LINE	TN754
05B13	DIGITAL LINE	TN754
05B14	DIGITAL LINE	TN754
05B15	ANALOG LINE	TN746
05B16	ANALOG LINE	TN746
05B17	ANALOG LINE	TN746
05B18	ANALOG LINE	TN746
05B19	POOLED MODEM	TN758
05B20	DS1 INTERFACE	TN464
05C00	TONE DETECTOR	TN748
05C01	DIGITAL LINE	TN754
05C02	DIGITAL LINE	TN754
05C03	DIGITAL LINE	TN754
05C04	DIGITAL LINE	TN754
05C05	DIGITAL LINE	TN754
05C06	DIGITAL LINE	TN754

Available Additional Equipment Information

Board Number	Board Type	Code
05C07	DIGITAL LINE	TN754
05C08	DIGITAL LINE	TN754
05C09	DIGITAL LINE	TN754
05C10	DIGITAL LINE	TN754
05C11	DIGITAL LINE	TN754
05C12	DS1 INTERFACE	TN767
05C13	DIGITAL LINE	TN754
05C14	CO TRUNK	TN747
05C15	ANALOG LINE	TN746
05C16	ANALOG LINE	TN746
05C17	ANALOG LINE	TN746
05C18	ANALOG LINE	TN746
05C19	ANALOG LINE	TN746
05C20	DS1 INTERFACE	TN464
05D01	DIGITAL LINE	TN754
05D02	DIGITAL LINE	TN754
05D03	DIGITAL LINE	TN754
05D04	DIGITAL LINE	TN754
05D05	DIGITAL LINE	TN754
05D06	DIGITAL LINE	TN754
05D07	DIGITAL LINE	TN754
05D08	DIGITAL LINE	TN754
05D09	DIGITAL LINE	TN754
05D10	DIGITAL LINE	TN754
05D11	DIGITAL LINE	TN754
05D12	DIGITAL LINE	TN754
05D13	DIGITAL LINE	TN754
05D14	ANALOG LINE	TN746
05D15	ANALOG LINE	TN746
05D16	ANALOG LINE	TN746
05D17	ANALOG LINE	TN746
05D18	ANALOG LINE	TN746
05D19	MAINTENANCE/TEST	TN771
05D20	DS1 INTERFACE	TN464
05E01	DIGITAL LINE	TN754
05E02	DIGITAL LINE	TN754
05E03	DIGITAL LINE	TN754
05E04	DIGITAL LINE	TN754
05E05	DIGITAL LINE	TN754
05E06	DIGITAL LINE	TN754
05E07	DIGITAL LINE	TN754
05E08	DIGITAL LINE	TN754
05E09	DIGITAL LINE	TN754
05E10	DIGITAL LINE	TN754
05E11	DIGITAL LINE	TN754
05E12	DIGITAL LINE	TN754
05E13	DIGITAL LINE	TN754
05E14	ANALOG LINE	TN746
05E15	ANALOG LINE	TN746
05E16	ANALOG LINE	TN746
05E17	ANALOG LINE	TN746

Available Additional Equipment Information

Board Number	Board Type	Code
05E18	ANALOG LINE	TN746
05E20	DS1 INTERFACE	TN464
01A	MAINTENANCE	TN775
01A	IP SERVER INTFC	TN2312
01B	IP SERVER INTFC	TN2312
02A	MAINTENANCE	TN775
02A	TONE/CLOCK	TN768
02B	TONE/CLOCK	TN768
03A	MAINTENANCE	TN775
03A	TONE/CLOCK	TN768
03B	TONE/CLOCK	TN768
04A	MAINTENANCE	TN775
04A	TONE/CLOCK	TN768
04B	TONE/CLOCK	TN768
05A	MAINTENANCE	TN775
05A	TONE/CLOCK	TN768
05B	TONE/CLOCK	TN768

Available Additional Equipment Information

Board Number	Board Type	Code
01A01	TONE DETECTOR	TN748
01A02	CONTROL-LAN	TN799
01A03	ANALOG LINE	TN742
01A04	ANALOG LINE	TN742
01A05	DS1 INTERFACE	TN464
01A06	CO TRUNK	TN747
01A07	DS1 INTERFACE	TN464
01A08	CO TRUNK	TN747
01B01	TONE DETECTOR	TN748
01B02	DIGITAL LINE	TN754
01B03	DIGITAL LINE	TN754
01B04	DIGITAL LINE	TN754
01B05	DIGITAL LINE	TN754
01B06	ANALOG LINE	TN746
01B07	CALL CLASSIFIER	TN744
01B08	ANALOG LINE	TN746
01B09	ANALOG LINE	TN742
01B10	DIGITAL LINE	TN2224
01B11	ANALOG LINE	TN742
01B12	DIGITAL LINE	TN754
01B13	DIGITAL LINE	TN754
01B14	DIGITAL LINE	TN754
01B15	DIGITAL LINE	TN754
01B16	DIGITAL LINE	TN754
01B17	DIGITAL LINE	TN754
01B18	DIGITAL LINE	TN754
01B19	DS1 INTERFACE	TN464
01C01	TONE DETECTOR	TN748
01C02	DIGITAL LINE	TN754
01C03	DIGITAL LINE	TN754
01C04	DIGITAL LINE	TN754
01C05	ANALOG LINE	TN742
01C06	ANALOG LINE	TN746
01C07	ANALOG LINE	TN746
01C08	ANALOG LINE	TN746
01C09	ANALOG LINE	TN746
01C10	ANALOG LINE	TN746
01C12	DIGITAL LINE	TN754
01C13	DIGITAL LINE	TN754
01C14	DIGITAL LINE	TN754
01C15	DIGITAL LINE	TN754
01C16	DIGITAL LINE	TN2224
01C17	ANALOG LINE	TN742
01C18	DS1 INTERFACE	TN464
01C19	DIGITAL LINE	TN754
01D01	TONE DETECTOR	TN748
01D02	DIGITAL LINE	TN754
01D03	ANALOG LINE	TN742
01D04	CONTROL-LAN	TN799
01D05	ANALOG LINE	TN742
01D06	ANALOG LINE	TN742

Available Additional Equipment Information

Board Number	Board Type	Code
01D07	ANALOG LINE	TN742
01D08	ANALOG LINE	TN742
01D09	ANALOG LINE	TN742
01D10	ANALOG LINE	TN742
01D11	DIGITAL LINE	TN754
01D12	VAL-ANNOUNCEMENT	TN2501
01D13	ANALOG LINE	TN742
01D14	ANALOG LINE	TN742
01D15	ANALOG LINE	TN742
01D16	ANALOG LINE	TN742
01D17	ANALOG LINE	TN742
01D18	DS1 INTERFACE	TN464
01D19	ANALOG LINE	TN742
01D20	DS1 INTERFACE	TN767
01E01	TONE DETECTOR	TN748
01E02	DIGITAL LINE	TN754
01E03	DIGITAL LINE	TN754
01E04	DIGITAL LINE	TN754
01E05	DIGITAL LINE	TN754
01E06	MAINTENANCE/TEST	TN771
01E07	CO TRUNK	TN747
01E08	DIGITAL LINE	TN754
01E09	DIGITAL LINE	TN754
01E12	ANALOG LINE	TN793
01E13	DIGITAL LINE	TN754
01E14	DIGITAL LINE	TN2224
01E15	CO TRUNK	TN747
01E16	DIGITAL LINE	TN754
01E17	DIGITAL LINE	TN754
01E18	ANALOG LINE	TN793
01E19	ANALOG LINE	TN742
01A	PROCESSOR	TN2404
01A	PROCR INTERFACE 1	TN765
01A	NETCON/PKTINT	TN2401
01A	NET/PKT BP CONN	TN2400
01A	TONE/CLOCK	TN768

Available Additional Equipment Information

Nortel Typical Configurations

Middle Schools (Nortel Option 11c)	
2	Cabinets
2	Digital Line Cards
11	Analog Line Cards
1	T1 Card
1	SSC Card
1	Universal Trunk Card
1	Maintenance Terminal
1	ADTRAM
1	Modem for PBX
1	CallPilot 8 ports, 250 Mailboxes, 200 hours
1	Modem for CallPilot
1	UPS - Oneac (4 Hour)

Senior Schools (Nortel Option 11c)	
3	Cabinets
5	Digital Line Cards
19	Analog Line Cards
1	T1 Card
1	SSC Card
1	Universal Trunk Card
1	Maintenance Terminal
1	ADTRAM
1	Modem for PBX
1	CallPilot 12 ports, 350 Mailboxes, 200 hours
1	Modem for CallPilot
1	UPS - Oneac (4 Hour)

Admin Centers (Nortel Option 11c)	
3	Cabinets
9	Digital Line Cards
8	Analog Line Cards
2	T1 Card
1	SSC Card
2	Universal Trunk Card
1	Maintenance Terminal
2	ADTRAM
1	CallPilot 12 ports, 300 Mailboxes, 350 hours
1	Modem for CallPilot
1	Modem for PBX
1	UPS - Oneac (4 Hour)

Elementary Schools (Nortel Norstar)	
6	ASM
1	Modular ICS
1	Flash Card
1	Trunk Card
1	T1 Card
1	6-Port Combo Card
	or
1	Clock Card and
1	2-Port Fiber Card
1	Startalk Flash Voice Mail
	or
1	NAM
1	UPS - Alpha (4 Hour)

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