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Assistant General Counsel



September 21, 2010

Catrice C. Williams, Secretary  
Department of Telecommunications and Cable  
1000 Washington Street, Suite 820  
Boston, Massachusetts 02118-6500

***Re: D.T.C. 10-2 – Petition of Choice One Communications of Massachusetts Inc.,  
Conversent Communications of Massachusetts Inc., CTC Communications  
Corp. and Lightship Telecom LLC for Exemption from Price Cap on Intrastate  
Switched Access Rates as Established in D.T.C. 07-9***

Dear Ms. Williams:

Enclosed please find the PUBLIC VERSION of Verizon's Third Set of Information Requests to One Communications.

Thank you for your assistance in this matter.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Richard C. Fipphen".

Richard C. Fipphen

cc: Service List

**PUBLIC VERSION**

**COMMONWEALTH OF MASSACHUSETTS**

**DEPARTMENT OF TELECOMMUNICATIONS AND CABLE**

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Petition of Choice One Communications of Massachusetts )  
Inc., Conversent Communications of Massachusetts Inc., )  
CTC Communications Corp. and Lightship Telecom LLC ) D.T.C. 10-2  
for Exemption from Price Cap on Intrastate Switched )  
Access Rates as Established in D.T.C. 07-9 )

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**VERIZON'S THIRD SET OF INFORMATION REQUESTS TO  
ONE COMMUNICATIONS**

**INSTRUCTIONS**

1. Please answer each Information Request on a separate page, fully in writing under oath, unless it is objected to, in which event, state the reasons for objection in lieu of an answer, and answer each other portion of the Information Request to which no objection is asserted. Preface each answer by restating the Information Request to which the answer is addressed. The answers are to be signed by the person making them, and the objections signed by the attorney making them. However, if you produce business records in lieu of an answer to an Interrogatory, specify the records from which the answer may be derived or ascertained in sufficient detail to permit Verizon to locate and to identify the records from which the answer may be ascertained.

2. For any objection that is based on an asserted claim of privilege, state a brief description of the subject matter of the assertedly privileged information; the nature of the privilege claimed; the portion(s) of the data request to which the information is otherwise responsive; the nature and basis of the privileged claimed; the source(s) of the information; and the identities of all persons to whom such information has been communicated or with whom it has been shared, in whole or in part.

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3. Documents that in their original condition were stapled, clipped or otherwise fastened together shall be produced in such form. Documents responsive to each request are to be grouped separately by request. In any portion of a document is responsive to a request, the entire document shall be produced.

4. These Information Requests are deemed to be continuing in nature, and if further information with respect thereto comes to the attention of the Company, its officers, employees, agents, representatives, or attorneys between the date of service hereof and the date of the hearing in this proceeding, the answers and responses must be amended accordingly.

## **DEFINITIONS**

1. All terms used herein shall be construed in an ordinary, common sense manner, and not in a technical, strained, overly-literal, or otherwise restrictive manner.

2. “Company” and/or “One Communications” shall mean each of the following individual competitive local exchange carriers, all predecessors and successors in interest, affiliates, parents, subsidiaries, subdivisions, and divisions of such entities: Choice One Communications of Massachusetts Inc., Conversent Communications of Massachusetts Inc., CTC Communications Corp., and Lightship Telecom LLC.

3. “Person” shall mean an individual, corporation, firm, proprietorship, partnership, either limited or general, association, joint venture, or other legal, business, or governmental entity, whether foreign or domestic.

4. “Document” means all writings and documentary materials of any kind whatsoever, both originals and copies, and drafts of such writings and documentary materials whether printed or recorded, or reproduced by any other mechanical process, or written or produced by hand, or recorded by any electrical or electronic means, including on any magnetic

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tape, disk, hard disk, computer memory, or optical disk, including but not limited to, the following items: journals; purchase orders; audio and video tapes and transcripts thereof; testimony; affidavits; filings of any kind with governmental bodies; agreements; letters; communications, including intra-company communications; electronic mail; correspondence; envelopes, telegrams; telexes; facsimiles; memoranda, including internal memoranda; notes; reports; summaries; transcripts; reviews; analysis; studies; papers; files; message slips; records; books manuals; guides; guidelines; outlines; abstracts; histories; summaries, notes, or records of telephone conversations or interviews; diaries; desk calendars; logs; appointment books; forecasts; statistical statements; tabulations; graphs; indices; charts; tables; plots; minutes; notes, or records of meetings, conferences, or communications; minutes, notes, or records of board meetings; opinions or reports of consultants; appraisals; brochures; pamphlets; periodicals; circulars; trade letters; press releases; contracts; notes; projections; drafts of any document; recommendations; working papers; worksheets; copies; marginal notations; photographs; film; drawings; slides; samples; and other specimens; computer printouts; tapes; disks, recordings; data processing cards; programs; and any other documents or writings of whatever description, whether written, recorded, transcribed, punched, taped, or filmed, however produced or reproduced. The term “document” includes copies of documents that are not identical duplicates of the originals, and copies of documents of which the originals are not in the possession, custody, or control of the Company, its officers, employees, agents, representatives, or attorneys.

5. “Identify,” when used in reference to a natural person or other legal entity, shall mean: (i) state the full name; (ii) state the present or last known business address, and, in the case of a natural person, residence address; (iii) the present or last known business telephone

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number, and, in the case of a natural person, residence telephone number; and (iv) the person's present or last known position or employer or primary line of business.

6. "Identify," when used in reference to an action, event, or occurrence including a communication, meeting, or statement, shall mean: (i) state, the date of the action, event, or occurrence; (ii) state the nature of the action, event, or occurrence; (iii) state the location of the action, event, or occurrence; (iv) identify every participant in and witness to the action, event or occurrence; and (v) describe the action, event, or occurrence and, if it was a meeting, communication, or statement, state the substance of the matters communicated or discussed.

7. "Identify," when used in reference to documents, means to state the: (a) type of document (*e.g.*, letter, telegram); (b) contents of the document; (c) date and title of the document (if any); (d) length of the document (in pages); (e) present location of the original and each copy of the document; (f) entity of each custodian of the original and each copy of the document; and (g) identity of each author, addressee and recipient of the original and each copy of the document.

8. "You" and "your" means the Company, all agents, employees, officers, or members, and all persons acting or purporting to act on behalf of the Company, including all past or present agents, employees, officers, or members, exercising discretion, discharging duties, making policy, or making decisions with respect to the business of the Company.

9. "NUCA" and "One Communications cost study" mean the One Communications Network Usage Cost Assessment (NUCA) Model-Massachusetts, filed by One Communications in this proceeding.

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### Third of Information Requests to One Communications

- VZ-One Comm-3-1** Please provide a network diagram with all of the equipment used in One Communications' NUCA cost study. Please show explicitly the connection from One Communications' end users to and through the One Communications' network, to the point-of-presence of an interexchange carrier. Examples of the types of equipment that should be illustrated on the diagram are, but not limited to, IAD, digital loop carriers, voice gateways, routers, switches, muxes, etc. Also please illustrate (1) where the equipment is located (*i.e.*, aggregation nodes or switching centers), and (2) the conversions or changes of the switched voice signal that occur at each piece of equipment.
- VZ-One Comm-3-2** Please provide a description of how changes in a network module (*e.g.*, a change to the value of cell D12 to 0.01 in the Loop module, tab IAD Monthly Costs) flows through to the results module. For changes in a network module, are any manual changes required to any of the other modules?
- VZ-One Comm-3-3** Please explain and contrast in detail how the switched voice signal from an end user changes as it travels across One Communications' (1) existing network, and (2) the network modeled in NUCA. The changes include, but are not limited to: analog to digital conversion, TDM to IP, DS0 to DS1 and higher speeds aggregation needed to get from the end user to the switches (TDM and IP). Please include all major pieces of equipment used in the Network Usage Cost Assessment Model (NUCA) for this purpose in the modeled network.
- VZ-One Comm-3-4** Please provide any source documents to the NUCA model and inputs that have not been previously provided as a response to data requests in this proceeding.
- VZ-One Comm-3-5** In the [BEGIN PROPRIETARY INFORMATION] [REDACTED] [END PROPRIETARY INFORMATION] tab of the "One Communications NUCA - Network Element Database.xls", cell B19, what is the purpose of the item entitled [BEGIN PROPRIETARY INFORMATION] [REDACTED] [END PROPRIETARY INFORMATION]?
- VZ-One Comm-3-6** In the [BEGIN PROPRIETARY INFORMATION] [REDACTED] [END PROPRIETARY INFORMATION] tab of the "One Communications NUCA - Network Element Database.xls", what is the source of the cost for the item in cell D19, valued at [BEGIN PROPRIETARY INFORMATION] [REDACTED] [END PROPRIETARY INFORMATION]?



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- VZ-One Comm-3-13** Please provide all source files referenced in the “One Communications NUCA - Network Element Database.xls” such as:  
[BEGIN PROPRIETARY INFORMATION] [REDACTED]  
[REDACTED]  
[REDACTED] [END PROPRIETARY INFORMATION]. These files were not provided as part of the response to VZ-One Comm 1-3.
- VZ-One Comm-3-14** In the Transport module, Results by State tab, NUCA allocates [BEGIN PROPRIETARY INFORMATION] [REDACTED] [END PROPRIETARY INFORMATION] of leased transport and dark fiber (IRU) costs to voice service. Are these leased transport and dark fiber facilities only providing switched voice and DSL services? If not, provide the actual or your best estimate of the proportions of these facilities used for transporting voice, DSL data, and other services (e.g., private line), expressed in percentages for each of these three service categories.
- VZ-One Comm-3-15** For the One Communications NUCA - Trunk-to-Trunk Switching Module MA.xls, Meta EF&I tab, provide support and the rationale for the hard coded values in the calculations under column “e,” if not in any of the following source files: (1) PB4500s for growth Aug.xls, (2) Planning\_Quote\_SAS\_CSR\_EMS.xls, and (3) Onecomm MetaSphere SSS W LNS and Lab121008.xls, including cells E13, E15 and E16.
- VZ-One Comm-3-16** For the One Communications NUCA - Trunk-to-Trunk Switching Module MA.xls, Meta EF&I tab, provide a detailed description (functions) of each [BEGIN PROPRIETARY INFORMATION] [REDACTED] [END PROPRIETARY INFORMATION] component shown on this tab. Specifically, how are they used to provide switched access service?
- VZ-One Comm-3-17** For the One Communications NUCA - Trunk-to-Trunk Switching Module MA.xls, Meta EF&I tab, the calculation indicates that there are [BEGIN PROPRIETARY INFORMATION] [REDACTED] [END PROPRIETARY INFORMATION] being modeled. Is this design for redundancy purposes? Are there [BEGIN PROPRIETARY INFORMATION] [REDACTED] [END PROPRIETARY INFORMATION] in each [BEGIN PROPRIETARY INFORMATION] [REDACTED] [END PROPRIETARY INFORMATION] location?
- VZ-One Comm-3-18** For the One Communications NUCA - Trunk-to-Trunk Switching Module MA.xls, Meta Unit Investment tab, please provide support for hard coded values (lines 7 and 8).

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- VZ-One Comm-3-19** For the One Communications NUCA - Trunk-to-Trunk Switching Module MA.xls, Meta Monthly tab, row 9, does the factor shown on this row (column e) have any maintenance-related expenses? If yes, please provide the type of maintenance expenses that are included.
- VZ-One Comm-3-20** For the One Communications NUCA - Trunk-to-Trunk Switching Module MA.xls, Meta Monthly tab, row 14, what does the Annual Maintenance Factor [BEGIN PROPRIETARY INFORMATION] [REDACTED] [END PROPRIETARY INFORMATION] factor represent? What type of maintenance does it provide? Is it specifically for [BEGIN PROPRIETARY INFORMATION] [REDACTED] [END PROPRIETARY INFORMATION]? Is this also covered in the cost factor?
- VZ-One Comm-3-21** For the One Communications NUCA Trunk-to-Trunk Switching Module MA.xls, 5E EF&I tab, please provide support for hard coded values in the calculations under column “e”.
- VZ-One Comm-3-22** For the One Communications NUCA Trunk-to-Trunk Switching Module MA.xls, 5E EF&I tab, provide detailed description (functions) of each Switch component shown on this tab. Specifically, how are the used to provide switched access?
- VZ-One Comm-3-23** In the One Communications NUCA - Trunk-to-Trunk Switching Module, tab “5E EF&I”, cells E17, E18, and tab “Meta EF&I”, cells E23, E24, both include inputs for Test equipment and GPS timing investments of [BEGIN PROPRIETARY INFORMATION] [REDACTED] [END PROPRIETARY INFORMATION], respectively. In the same module, tab “Switch Inventory”, rows 31 through 43, show there are [BEGIN PROPRIETARY INFORMATION] [REDACTED] [END PROPRIETARY INFORMATION] switch locations in Massachusetts – [BEGIN PROPRIETARY INFORMATION] [REDACTED] [END PROPRIETARY INFORMATION]. Using the [BEGIN PROPRIETARY INFORMATION] [REDACTED] [END PROPRIETARY INFORMATION] location as an example, there are [BEGIN PROPRIETARY INFORMATION] [REDACTED] [END PROPRIETARY INFORMATION] switches located in this same location and these Test equipment and GPS Timing costs appeared for each of the [BEGIN PROPRIETARY INFORMATION] [REDACTED] [END PROPRIETARY INFORMATION] switches listed, for a total investment of [BEGIN PROPRIETARY INFORMATION] [REDACTED] [END PROPRIETARY INFORMATION] at this location alone. Why are the equipment needed and why do they need to be included [BEGIN PROPRIETARY INFORMATION] [REDACTED]

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**[END PROPRIETARY INFORMATION]** times for switches located in the same building?

**VZ-One Comm-3-24** In the One Communications NUCA - Trunk-to-Trunk Switching Module, Switch Inventory tab, please define and describe the **[BEGIN PROPRIETARY INFORMATION]** **[END PROPRIETARY INFORMATION]**. Provide the associated investment (vendor quotes) that One Communications paid for this equipment, by equipment component, and the associated capacity for each component.

**VZ-One Comm-3-25** In the One Communications NUCA - Trunk-to-Trunk Switching Module, TPI tab, what is the purpose of the TPI? Does the application of the TPI to embedded plant balances produce a forward looking cost of plant? Please explain.

**VZ-One Comm-3-26** In the One Communications NUCA - Aggregation Module, the floor plan and relay rack layouts are based on current equipment deployed. How many relay racks can be eliminated based on use of new DLC equipment and the elimination of the old DSLAM equipment, and by consolidating the new equipment into the existing and vacated spaces on these racks?


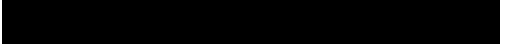
**VZ-One Comm-3-27** In the One Communications NUCA - Aggregation Module, Model-1 tab, what are the sources of the following hard-coded inputs?:  
**[BEGIN PROPRIETARY INFORMATION]**  
**[END PROPRIETARY INFORMATION]**

**VZ-One Comm-3-28** Proprietary attachment to VZ-One Comm-1.3, "5E Util 01-13-10.xls" shows the total number of ports (column H) for each of One Communications switches. Please provide the total number of DS0s provided by each of the Massachusetts switches.

**VZ-One Comm-3-29** Please provide electronic copies of One Communications' publicly available tariffs, as referenced in One Communications' response to VZ-One Comm-1-23.

**VZ-One Comm-3-30** Please provide the following source file referenced in the response to VZ-One Comm-1-3: **[BEGIN PROPRIETARY INFORMATION]**  
**[END PROPRIETARY INFORMATION]**

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- VZ-One Comm-3-31** Please provide One Communications' non-recurring revenues for Massachusetts for 2007, 2008 and 2009.
- VZ-One Comm-3-32** Please provide One Communications' retail (by type of retail service – *i.e.*, bundled services, DSL, business, digital voice, PRI, etc.) and wholesale (by type – *i.e.*, private line, orig/term services, etc.) Massachusetts revenues for 2007, 2008 and 2009. Also provide One Communications' total retail and wholesale Massachusetts revenues for 2007, 2008 and 2009.
- VZ-One Comm-3-33** If not provided in response to the above data requests, please provide the information requested in 3-32 above for each of the following companies: CTC Communications Corp., Lightship Telecom, LLC, Choice One Communications of Massachusetts, Inc., and Conversant Communications of Massachusetts, Inc.
- VZ-One Comm-3-34** Please provide One Communications' retail and wholesale minutes of use for Massachusetts for 2007, 2008 and 2009. Also please provide the minutes of use (by type of retail/wholesale) for each category provided in 3-32 above. If minutes of use are not available for a type of service, then please provide in-service line counts for the services.
- VZ-One Comm-3-35** If not provided in response to the above data request, please provide the information requested in 3-34 for each of the following companies: CTC Communications Corp., Lightship Telecom, LLC, Choice One Communications of Massachusetts, Inc., and Conversant Communications of Massachusetts, Inc.
- VZ-One Comm-3-36** In the Proprietary file **[BEGIN PROPRIETARY INFORMATION]**  **[END PROPRIETARY INFORMATION]**, provided in response to VZ-One Comm-1-3, please populate column E in the Model tab.
- VZ-One Comm-3-37** Please identify in the Proprietary file **[BEGIN PROPRIETARY INFORMATION]**  **[END PROPRIETARY INFORMATION]**, Original Purchases tab, where the subtraction identified in the notes section occurs.
- VZ-One Comm-3-38** Do the One Communications' switches located in Massachusetts serve only Massachusetts customers? If not, please list the states that they provide services. For each switch located in Massachusetts that serves more than one state, please provide, for each switch, the total number of lines and associated revenues for (a) customer locations in Massachusetts, and (b) customer locations outside of Massachusetts. Please provide the requested information for 2007, 2008, and 2009.

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- VZ-One Comm-3-39** In the Proprietary file “OneComm Switch Inventory (Proprietary Information).xls”, “Meta” tab, provide justification for excluding units for “CHTNWVYA”.
- VZ-One Comm-3-40** In Excel file, “Collocations and Lines Served by MA Switches -- MA (PROPRIETARY INFORMATION).xls”, provided in response to VZ-One Comm-1-3, what is the source of the input in tab “DS0 and DS1 counts”, cell Q4, that all DS1 circuits contain **[BEGIN PROPRIETARY INFORMATION]** [REDACTED] **[END PROPRIETARY INFORMATION]** voice channels?
- VZ-One Comm-3-41** Proprietary attachment to VZ-One Comm-1-3, “5E Util 01-13-10.xls” shows the total number of ports (columns H and I) for each of One Communications’ switches. For each office, please provide the type of lines each port serves. For example, the **[BEGIN PROPRIETARY INFORMATION]** [REDACTED] **[END PROPRIETARY INFORMATION]** office is equipped with **[BEGIN PROPRIETARY INFORMATION]** [REDACTED] **[END PROPRIETARY INFORMATION]** DS1 ports and has **[BEGIN PROPRIETARY INFORMATION]** [REDACTED] **[END PROPRIETARY INFORMATION]** in-service DS1 ports. Of the equipped and in-service ports, how many are used for retail (by type of retail lines) and how many are used for wholesale services?
- VZ-One Comm-3-42** In the Proprietary file **[BEGIN PROPRIETARY INFORMATION]** [REDACTED] **[END PROPRIETARY INFORMATION]**, provided in response to VZ-One Comm-1-3, please populate column E in the Model tab (*i.e.*, provide the associated unit costs for the units shown on column D).
- VZ-One Comm-3-43** Please refer to Proprietary file **[BEGIN PROPRIETARY INFORMATION]** [REDACTED] **[END PROPRIETARY INFORMATION]**, Original Purchases tab. Please explain the meaning of the note regarding the 14STS 1.
- VZ-One Comm-3-44** In Dr. Ankum’s direct testimony, page 25, lines 12-17, he states: “For example, as will be discussed in more detail by Mr. Webber, the costs of facilities dedicated to non-switched services or end-users are not included or, to the extent their costs are comingled with the costs of shared facilities, say in the form of switch ports, special care is taken to apportion an appropriate cost share to such non-switched service and to proportionally reduce the costs to be shouldered by switched services.” Please provide reference(s), in the switching module (and provide calculations) as to where the adjustments were made for switch ports.

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**VZ-One Comm-3-45** In Warren Fischer’s direct testimony, page 12, he states that “the mapping of One Communications’ native general ledger accounts to Part 32 accounts was a labor intensive process requiring interviews of One Communications accounting personnel and a detailed review of the functional activities recorded in each general ledger account on One Communications’ 2009 Trial Balance.” Please provide all detailed reviews, workpapers and other documentation that details the mapping of One Communications’ 2009 Trial Balance to Part 32 accounts. Please provide cost center, job function code or other detail that will indicate the functional nature of the expenses.

**VZ-One Comm-3-46** Please define “reproduction cost,” as it is used in the direct testimony of Warren Fischer, page 17, lines 20 and 22.

**VZ-One Comm-3-47** In the One Communications NUCA – Traffic Module, are the switched minutes of use (MOUs) that are used in the Traffic Module Busy Hour minutes? If not, please provide MOUs based on the Busy Hour.

**VZ-One Comm-3-48** Mr. Webber, on pages 31-32 of his direct testimony, states, “Simply put, the **Collocation Inventory** tab within the *Aggregation Module* identifies [\*\*\* **BEGIN CONFIDENTIAL** ■ **END CONFIDENTIAL** \*\*\*] unique central offices in which One Communications maintains cageless and/or physical collocation arrangements in Massachusetts. [footnote omitted]”

For each location, and for each company (*i.e.*, CTC Communications Corp., Lightship Telecom, LLC, Choice One Communications of Massachusetts, Inc., and Conversent Communications of Massachusetts, Inc.), please provide the following:

- (a) The collocation square footage ordered and whether or not the type of collocation was caged, cageless, SCOPE (Secured Collocation Open Physical Environment) or virtual collocation;
- (b) The monthly per load amp on each feed ordered;
- (c) The monthly per feed up to 15, 30, 45, 60 AMPs; and
- (d) The number of DS0s, DS1s, DS3s and fibers that have been ordered and how many have been utilized.

**VZ-One Comm-3-49** Starting at page 38, line 19 and ending at page 39, line 1, of his direct testimony, Mr. Webber states that “One Communications was able to provide a database report which included the most recent month’s invoiced charges from Verizon that are related to SS7 expenses as of February 10, 2010.” Please provide the database report.

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**VZ-One Comm-3-50** At page 40, lines 1-3, of his direct testimony, Mr. Webber that “[t]he transport lease and IRU expenses data included within this module were provided to QSI in February of 2010 and include database output reflecting the most recent month’s vendor invoice One Communications categorizes as transport and IRU, respectively.” Please provide the transport leases that are reflected in the database output.

**VZ-One-Comm-3-51** In the Network Element Database module, **[BEGIN PROPRIETARY INFORMATION]** [REDACTED] **[END PROPRIETARY INFORMATION]** tab, what are the corresponding actual in-service (used) usable ports and POTS ports?

**VZ-One Comm-3-52** In the One Communications NUCA - Traffic Module, do the switched Minutes of Use (MOUs) used in the Traffic Module only reflect completed minutes of use?

**VZ-One Comm-3-53** One Communications’ response to VZ-One Comm-2-8 states “see the file entitled ‘One Communications NUCA – Traffic Module MA.xls’ previously provided in response to VZ-One Comm-1-1 for details related to all switched minutes of use relied upon and forecasted within NUCA. Please also review the direct testimony of James Webber at pages 44-51 for a discussion of the Traffic Module.”

At page 47, lines 8-20, of his direct testimony, Mr. Webber states, “For the majority of Massachusetts switches monthly per day usage was relatively stable over the observed 12 months, so that the actual historical 12-month data were the best available estimate for future usage. For these switches, the Traffic Module forecasted annual demand as a 12-month average of historical per day data times the number of days in a year. For several switches monthly per day usage dropped significantly in the last several months of the observed historical period. One Communications’ Manager of Switch Engineering explained to QSI that the observed decreases in traffic were associated with network re-arrangements in which traffic was moved to another switch, or product retirements. In these cases a shorter, more recent time period was a more appropriate basis for the forecast rather than the full 12-month period. For these switches, the Traffic Module forecasted annual demand by using the most recent 6 months of actual data.”

Please provide the historical per-day data and the 12-month and 6-month forecasted annual demand for both interswitch and intraswitch minutes of use. Identify the “several switches” using the 6-month forecasted annual demand.

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- VZ-One Comm-3-54** (a) Please provide a narrative description of the two highly sensitive files (customer.lookup\_06-10-2010.xls and One Communication NGN IP overview.vsd) submitted in response to VZ-One Comm-1-3. Please explain how the files were used by the NUCA model.
- (b) For tabs No-MPLS\_VRF and customer lookup in the customer.lookup\_06-10-2010.xls file, please provide column titles and descriptions of the data contained in the columns.
- VZ-One Comm-3-55** Please provide the “leasehold improvement amortization.xls” file referenced in the Input tab of the One Communications NUCA - Factors.xls module.