# STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS DIVISION OF PUBLIC UTILITIES AND CARRIERS 89 JEFFERSON BOULEVARD WARWICK, RHODE ISLAND 02888

EC DC. 70B Ale

IN RE:

Application for a Compliance Order

Certificate by Verizon New England, Inc. : Docket No. 2006-C-4

# Notice of Erratum

The Rhode Island Division of Public Utilities and Carriers ("Division") issued Report and Order No. 18789 on December 20, 2006 in the above-referenced docket. A typographical error was recently discovered on page 73 of the Report and Order (constituting "Appendix 1"), which incorrectly reflects that a Compliance Order Certificate was being issued to Verizon New England, Inc. pursuant to Order No. 18789 in "Docket No. D-2006-C-8." Instead, the wording should have indicated that a Compliance Order Certificate was being issued to Verizon New England, Inc. pursuant to Order No. 18789 in "Docket No. 2006-C-4."

Accordingly, it is

(18801) ORDERED:

- 1. That Order No. 18789, issued by the Division on December 20, 2006, is hereby amended to reflect the correction described herein.
- 2. A corrected page 73 ("Appendix 1") is attached to this Notice of Erratum, and incorporated by reference.

Dated and Effective at Warwick, Rhode Island on January 5, 2007.

n Spir*i*td, Jr., Esa

Hearing Officer

APPROVED:

Thomas F. Ahern

Administrator

# STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS DIVISION OF PUBLIC UTILITIES AND CARRIERS

# COMPLIANCE ORDER CERTIFICATE

(For Service Area 6, Consisting Of Warwick, West Warwick, East Greenwich, North Kingstown, Coventry, West Greenwich and Exeter)

This Compliance Order Certificate is issued to Verizon New England, Inc., d/b/a Verizon Rhode Island ("Verizon") by the Division of Public Utilities and Carriers ("Division") pursuant to Order No. 18789 in Docket No. 2006-C-4. This Compliance Order Certificate authorizes Verizon to own a community antenna television ("CATV") system in Service Area 6, and is issued upon, and subject to, Verizon's compliance with the following findings, terms and conditions:

- 1. Verizon is, and continues to be of, good character, fit, willing, financially and technically able properly to provide cable service to the residents of the Service Area.
- 2. Verizon's ownership of the CATV system in the Service Area is, and remains, consistent with the public interest.
- 3. Verizon's complies with, and continues to comply with, federal law, the Rhode Island General Laws, the Division's Rules Governing Community Antenna Television Systems, and all Orders of the Division.

Jøhn Spirito,/*J*r., Esq.

Hearing Officer

Thomas F. Ahern
Administrator

Dated this 20th day of December 2006.

# Coventry, East Greenwich, Exeter, North Kingstown, Warwick, West Greenwich, West Warwick

Rates and Packages (Effective XX/XX/07)

# Verizon FiOS TV

Page 1

SERVICE	Number of Channels	Monthly Price
FiOS TV Local <sup>1</sup>	15 – 35	\$12.99
Digital Service (Requires Set Top Box (STB) and Rout		\$ 1 <b>2</b> .33
iOS TV Premier <sup>3</sup>	160 + FiOS TV Local	\$42.99
.a Conexión <sup>4</sup>	115 + FiOS TV Local	\$32.99
	110 1100 10 2000	<del>402.00</del>
PACKAGES (Requires STB)	Number of Channels	Monthly Price
Sports	15	\$7.99
Movies	44	\$12.99
Sports/Movies Combination	59	\$15.99
spanish Language	25	\$11.99
PREMIUMS <sup>5</sup> (Requires STB)	Number of Channels	Monthly Price
IBO®	14	\$15.99
Cinemax®	12	\$15.99
IBO/Cinemax Combination	26	\$25.99
Playboy TV®/Playboy TV en Español	2	\$15.99
ere!	1	\$7.99
NTERNATIONAL PREMIUMS (Requires ST	B) Number of Channels	Monthly Price
BTN	1	\$14.99
CTI Zhong Tian Channel	1	\$11.99
'V Japan	1	\$25.00
IBC	1	\$12.99
he Filipino Channel	1	\$11.99
'V Asia	1	\$14.99
'VPolonia	1	\$17.99
ART	1	\$12.99
RAI	1	\$9.99
'V5	1	\$9.99
lang A Rang	1	\$14.99
RTN	1	\$14.99
channel One Russia	1	\$14.99
NTV Desi	1	\$4.99
NTV Chi	1	\$4.99
ITV K	1	\$4.99
/IDEO ON DEMAND (VOD) and PAY PER VI	EW (PPV) (Requires STB)	Price
ON DEMAND MOVIES		
lew Releases		\$3.99
ibrary		\$2.99
ON DEMAND SUBSCRIPTIONS		
WWE		\$7.99/mo.
Karaoke		\$7.99/mo.
n Demand Adult		\$14.99/each
PPV Events		Varies
PV Sports		Varies
SPN GamePlan – NCAA Football		\$21.99/daily, \$129.99/seaso
SPN FullCourt – NCAA Basketball	\$14.99/daily, \$109.99/season, \$	99.99/early bird, \$75.99/half seaso

# Coventry, East Greenwich, Exeter, North Kingstown, Warwick, West Greenwich, West Warwick

Rates and Packages (Effective XX/XX/07)

# **Verizon Fios TV**

Page 2

SET TOP BOX (STB)	Monthly Price
Standard Definition	\$4.99
High Definition (includes HD channels)	\$9.99
High Definition Digital Video Recorder (includes HD channels)	\$12.99
Home Media DVR (features Multi-Room DVR and Media Manager)	\$19.99
INITIAL INSTALLATION	One-Time Charges
Existing Outlet Hookup (up to 3)	No Charge
Additional Outlet/Set Top Box Hookup (existing outlet)	\$19.99
New Outlet Install/Existing Outlet Rewire (per outlet)	\$54.99
Outlet Relocation	\$54.99
SUBSEQUENT INSTALLATIONS/CHARGES	One-Time Charge:
Set Top Box Addition or Upgrade/Downgrade	\$24.99
Premise Visit <sup>6</sup>	\$49.99
New Outlet Installation (per outlet)	\$54.99
Outlet Relocation (per outlet)	\$54.99
Setup of TV Equipment (new TV with existing STB)	\$49.99
Disconnect of Set Top Box <sup>7</sup>	\$24.99 + \$5.00/STB
Downgrade of Service from Digital to Analog	\$49.99 + \$5.00/STB
FiOS TV Service Disconnect	No Charge
FiOS TV Service Reconnect (up to 3 outlets) <sup>8</sup>	\$49.99
OTHER SERVICES AND CHARGES	One-Time Charge:
Returned Check or Draft Charge	\$15.00
Seasonal Service Suspension (charged at initiation, 1-6 months) <sup>9</sup>	\$24.99
Replacement Remote – Basic Universal	\$5.00 + Shipping & Handling
Replacement Remote – FiOS TV Universal	\$5.00 + Shipping & Handling
Unreturned/Damaged STB – Standard Definition	\$240.00
Unreturned/Damaged STB – High Definition	\$350.00
Unreturned/Damaged STB – Digital Video Recorder (DVR)	\$550.00

<sup>&</sup>lt;sup>1</sup> In order to be eligible for Movies or Sports, FiOS TV Premier or La Conexión is required. The Spanish Language package may be added to FiOS Local service, but requires a Set Top Box for access. The addition of a Set Top Box with FiOS Local service provides access to Video On Demand (VOD) and Pay Per View (PPV), as well as the ability to order Premiums and International Premiums.

<sup>&</sup>lt;sup>2</sup> Router provided will be a new or fully inspected, tested and warranted return unit. If service is cancelled within the first 12 months, router must be returned or \$99.99 equipment fee applies. If you maintain service for twelve (12) consecutive months, ownership of the router shall transfer to you, after which time all maintenance of the router shall be at your sole cost and expense, and the risk of loss will be yours should the router be damaged or stolen.

<sup>&</sup>lt;sup>3</sup> FiOS TV Premier includes all FiOS TV Local Channels, additional all-digital programming, digital music channels, and access to Pay Per View and Video On Demand. 30-day minimum billing period required for all digital packages.

<sup>&</sup>lt;sup>4</sup>La Conexión includes all FiOS TV Local Channels, digital programming including popular English-language networks and Spanish language networks, digital music channels, and access to PPV and VOD. La Conexión cannot be combined with the Spanish Language package. 30-day minimum billing period required for all Premiums.

<sup>&</sup>lt;sup>5</sup> Subscription VOD is included with all Premiums at no extra charge (where applicable). 30-day minimum billing period required for all Premiums.

<sup>&</sup>lt;sup>6</sup> A premise visit charge is assessed when a technician installation is required to set up a new or additional TV with an existing FiOS TV Set Top Box. A premise visit charge is not assessed when adding new, upgrading/downloading existing, or disconnecting Set Top Box receivers.

<sup>&</sup>lt;sup>7</sup> The Set Top Box disconnect charge is assessed only when the customer maintains at least one FiOS TV Set Top Box. If all Set Top Box receivers are disconnected, the service downgrade charge applies.

<sup>&</sup>lt;sup>8</sup> The reconnect fee applies when establishing service after a service disconnect.

<sup>&</sup>lt;sup>9</sup> Seasonal service suspension requires a minimum suspension of one month and a maximum suspension of six months.

# Coventry, East Greenwich, Exeter, North Kingstown, Warwick, West Greenwich, West Warwick

Rates and Packages (Effective XX/XX/07)

Verizon Fios TV

Page 3

Programming services offered within each package are subject to change, and the number of channels within each package are approximations. Not all programming services are available at all times. Blackout restrictions also apply. In addition, the pricing of the packages and their terms and conditions regarding your use of Verizon FiOS TV are also subject to change. Pricing applies to residential use only within the United States. Not all services are available in all areas. Acceptance of FiOS TV Terms of Service is required in order to use FiOS TV, and a copy of the Terms of Service will be given to you at the time of installation. The customer is financially responsible for any damage to, or misuse of, any equipment or for the failure to return any equipment if service is terminated. Applicable franchise fees, regulatory fees and taxes apply. Other terms and conditions apply.

# Rhode Island Verizon Line Extension Policy

# **Verizon Line Extension Policy**

Pursuant to Section 10.3 of the Rules of the Division of Public Utilities and Carriers Governing CATV Systems (the "Rules"), the following describes the circumstances in which Verizon New England, Inc., (hereafter "Verizon" or "the "Company") will construct line extensions in order to make the Company's CATV services available to persons requesting service where there are fewer than 15 residences per ¼ mile. In addition, this policy sets forth the conditions on which the Company will provide a subscriber cable drop in unusual circumstances, such as a non-standard drop, even where there may be more than 15 residences per ¼ mile. In any event, line extensions and non-standard cable drops may be made as long as they do not impose any undue burden on either the Company or its existing subscribers.

# 1. **Statement of Policy**

It is the policy of the Company to serve the public interest by extending cable services to as many persons as economically feasible within the Company's Franchise service area. The Company will deploy cable services in accordance with the Rules where density requirements are met. In addition, the Company may make line extensions as long as such extensions do not impose any undue burden on either the Company or its existing subscribers.

# 2. Operating Service Area

The Company's Operating Service Area consists of all portions of any Service Area for which the Company has received a Certificate of Authority to Operate and offers cable service.

#### 3. Criteria for Extensions

The following criteria apply if a potential subscriber or group of subscribers<sup>1</sup> residing in the same area request an extension of the Company's network and/or facilities so that they may subscribe to the Company's cable services.

a. The potential subscriber or group of subscribers must reside in an area which, in the event the extension is built, may be served out of an existing video serving office

page 1 of 3 RI Line Extension Policy

<sup>&</sup>lt;sup>1</sup> By way of illustrative example, a 'group of subscribers' is intended to refer to situations such as gated private communities or similar collective of housing units, and not to 'apartment style' or other Multiple Dwelling Units subject to Section 39-19-10.

and either: (1) the Company has completed construction of its CATV facilities in the Service Area consistent with the timetable and minimum density requirements of the Rules; or (2) the timetable for completion of construction of the Service Area under Chapter 8 of the Rules has expired.

- b. The potential subscriber or group of subscribers) must pay an upfront initial engineering evaluation fee to cover the preliminary design and development of the cost estimate related to the requested extension.
- c. The potential subscriber or group of subscribers agrees to pay the one-time charge equivalent to the Company's incremental costs of designing and constructing the line extension. The Company's one-time charge will include all costs required to extend the network, including, but not limited to, total construction, engineering and design, capital and administrative costs. The Company will provide the estimate of incremental costs for the line extension to the potential subscriber (or the pro-rata cost estimate to each member of a group of potential subscribers) within 45 days of receiving the payment provided for in subpart (b), above. The Company may require each potential customer requesting service to execute agreement(s) reflecting each parties' responsibilities for costs related to extension of facilities for non standard subscriber drops.
- d. When sufficient payments are made to cover the Company's total incremental costs of providing the line extension and all necessary agreements are returned to the Company, then the Company will proceed to construct the extension and such extension shall become part of the Company's Operating Service Area.
- e. Not withstanding the above requirements, the Company may deny extension requests where significant technical or legal limitations on the Company's ability to satisfy the request make a line extension impracticable or unreasonably expensive, including, but not limited to, the company's technology, access to right-of-ways, the ability to extend the FTTP network or lack of utility company facilities.

During the first 12 months following the commencement of service using the constructed line extension, any new customer requesting service will be charged a pro-rata fee based on the original cost estimate before service is initiated. At the end of 12 months, any overpayment of the original costs by earlier subscribers will be equitably refunded to them on a pro-rata basis.

# 4. Non-Standard Subscriber Drops

Where a subscriber's request for service involves unusual circumstances, such as a request to locate a cable drop underground or where the structure to be served is more than 150 feet from the Company's distribution cable, time and material charges will apply in addition to the usual connection fees.

#### 5. New Construction

Property owners or developers will be required to provide to the Company 120 days written notice of the particular date on which open trenching will be made available to the Company for construction of its network. The Company may require the developer or property owner to agree to sign an agreement and to provide full or partial financial reimbursement at least 60 days in advance of the open trenching date. If signed agreements and the actual reimbursement is not received as required and the Company chooses not to participate in open trench construction, the Company shall make its best efforts to construct the cable plant in a reasonable period of time (usually within 12 months of receipt of a signed agreement and payment), taking into consideration the Company's other construction commitments, weather conditions, material shipments, and other relevant factors; however, the developer or property owner will have to bear any increase in construction costs due to the change in using the direct burial method instead of open trenching.

# 6. Payments

Reimbursement Payments related to the non-standard service line extensions are required prior to the start of construction by the Company.

### 7. Ownership of Facilities

The Company shall own and maintain any and all facilities added, constructed or extended as a result of a request for construction pursuant to this line extension policy.

185 Franklin Street 13th Floor Boston, MA 02110-1585

Phone 617 743-2265 Fax 617 737-0648 alexander.w.moore@verizon.com

October 2, 2006

Mr. Stephen Martin Division Clerk Division of Public Utilities and Carriers 89 Jefferson Boulevard Warwick, RI 02888

> Docket No. 2006-C-4 Verizon New England Inc. Application for a Cable Re:

Television Compliance Order Certificate

Dear Mr. Martin:

Alexander W. Moore

Associate General Counsel - New England

Enclosed for filing in the above proceeding are the original and four copies of the Settlement Agreement between Verizon New England Inc. and the Advocacy Section of the Division of Public Utilities and Carriers.

Please contact me if you have any questions. Thank you for your assistance in this matter.

> Sincerely, alexander W. Moore (140

Alexander W. Moore

Enclosure

Service List cc:

# STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS DIVISION OF PUBLIC UTILITIES AND CARRIERS

PETITIONS OF VERIZON NEW ENGLAND Docket No. 2006-C-4 INC. FOR WAIVERS OF SECTIONS 7.3, 14.2-14.5 AND 14.7 OF THE RULES GOVERNING COMMUNITY ANTENNA TELEVISION SERVICE

# SETTLEMENT AGREEMENT

### I. INTRODUCTION

- 1. On February 7, 2006, Verizon New England Inc. ("Verizon") filed its Application for a Compliance Order Certificate for Service Area Six ("Verizon's Application") along with Verizon's Petition for a Waiver of Section 7.3 of the Rules Governing Community Access Television Service ("I-Net Waiver Petition") and Verizon's Petition for a Waiver of Sections 14.2 through 14.7 of the Rules Governing Community Access Television Service ("PEG Waiver Petition"). (See Verizon's Application, Exhibits 4 and 5.)
- 2. In the I-Net Waiver Petition, Verizon asked the Division to waive its requirement that cable operators construct and maintain an Institutional Network ("I-Net"). In lieu of constructing an I-Net, Verizon proposed to provide eligible institutional users in Service Area Six with access to Verizon's FiOS business service.
- 3. In the PEG Waiver Petition, Verizon asked the Division to waive its requirements that cable operators construct, operate, and maintain PEG Access Studios in each Service Area that they serve. In lieu of building, operating, and maintaining a duplicative studio in Service Area

Six, Verizon proposed to share the costs of operating the existing studio with the incumbent cable operator, CoxCom, Inc. ("Cox"), on a pro-rata basis based on the number of subscribers served by each operator.

- 4. On July 14, 2006, the Rhode Island General Assembly enacted amendments to R.I.G.L. 16-61. The amendments empower Cox and Full Channel TV Inc. ("Full Channel") to transfer to the Rhode Island Public Telecommunications Authority ("RIPTA") their existing PEG Access Studios and interconnect facilities in the state, thereby relieving cable providers in Rhode Island of any obligation to operate such facilities. The legislation also requires the Division to promulgate rules concerning such transfers and to establish equitable funding mechanisms to support PEG Access Studios. Verizon and Cox supported this legislation and Verizon supports the Division's rulemaking efforts.
- 5. After extensive negotiations, Verizon and the Advocacy Section of the Division enter into this Settlement Agreement in accordance with Section 27(b) of the Division's Rules of Practice and Procedure.

# II. GENERAL TERMS OF SETTLEMENT AGREEMENT

1. Waivers- Pursuant to Section 1.12 of the Division's Rules Governing Community

Access Television Service ("Cable Rules), Verizon and the Advocacy Section recommend that
the Division grant Verizon permanent waivers of Sections 7.3, Sections 14.2-14.5, and Section
14.7 of the Cable Rules for Service Area Six and all subsequent Service Areas for which Verizon
may later apply. In lieu of complying with these sections of the Cable Rules, and in full
compliance with the level-playing-field provisions of R.I.G.L. 39-19-3, Verizon shall be bound
by the terms and conditions of this Settlement Agreement upon approval of this Agreement by
the Division and grant of a Compliance Order Certificate consistent with the terms of this
Agreement.

# III. SPECIFIC TERMS AND CONDITIONS OF SETTLEMENT AGREEMENT

### A. PEG Grants

- Verizon shall provide the following grants to support PEG Access programming in Rhode Island and the purchase of PEG Access equipment.
- 2. Verizon will provide the Division with a grant in the amount of \$400,000 (the "Initial PEG Equipment Grant").
- 3. In addition, for each service area for which Verizon receives a Certificate of Authority to Operate, Verizon will provide the Division with a PEG Equipment Grant of fifty thousand dollars (\$50,000) and a PEG Access Support Grant. Each PEG Access Support Grant shall be in an amount equal to two dollars (\$2) for each household in the service area. For purposes of this Agreement, the numbers of households in each service area are stated in Exhibit 1 hereto, which shows the most recent figures published by the United States Census Bureau.
- 4. Verizon shall pay the \$400,000 Initial PEG Equipment Grant, the \$50,000 PEG Equipment Grant for Service Area Six and the PEG Access Support Grant for Service Area Six (in the amount of \$159,118, representing two dollars (\$2) per household for each of the 79,559 households in Service Area Six) as follows: three hundred sixty thousand dollars (\$360,000) within 30 days after the Division grants Verizon a Certificate of Authority to Operate in Service Area Six and two hundred forty nine thousand one hundred eighteen dollars (\$249,118) on the first anniversary of the initial payment.
- 5. The PEG Equipment Grant and the PEG Access Support Grant for any service area other than Service Area Six will be paid in one lump sum within 30 days after the Certificate of Authority to Operate is awarded for that service area.
  - 6. All grants provided to the Division pursuant to this Settlement Agreement shall be

allocated by the Division in its sole discretion to best provide for the PEG Access needs of the residents of Rhode Island.

7. In addition, Verizon acknowledges that the Division intends to promulgate rules requiring all CATV carriers providing service in Rhode Island to assess a monthly surcharge of approximately \$0.50 on each video customer as a means of supporting ongoing PEG operations of the Rhode Island Public Television Authority under R.I.G.L. 16-61-6(21). Verizon intends to comply with any such applicable rule validly enacted.

# B. <u>Verizon FiOS<sup>SM</sup> Business Service for Eligible Institutional Users</u>

- 1. <u>FiOS Business Service</u> Verizon will provide the Eligible Users designated below with access to high speed data service via Verizon's FiOS<sup>SM</sup> Business Service. The products, rates and charges referenced in this Section III (A) are subject to change but only in the event that, and only in the manner and extent to which, Verizon changes the products, rates or charges generally available to other customers of Verizon's FiOS Business Service, and any change in the products, rates and charges made available hereunder shall be consistent with such broader changes.
- 2. <u>Eligible Users</u>- Eligible Institutional Users in a given service area shall include all State and municipal buildings, including but not limited to all police and fire stations, all public libraries, and all public primary and secondary schools. Within each municipality in a Service Area, a Designee shall be responsible for applying for FiOS<sup>SM</sup> Business Service installation and activation from Verizon on behalf of one or more eligible users, purchasing equipment and time and materials services, and managing use of the FiOS<sup>SM</sup> Business Service. The Designees shall be: 1) the school Superintendent or his/her designee having responsibility for coordinating all public school buildings in the municipality; and 2) the Town Manager,

Mayor or other town official or his/her designee, having coordination responsibility for all other municipal buildings, including city and town halls, police and fire stations, and all public libraries. On a statewide basis, there shall be one authorized representative with overall coordination responsibility for state-owned buildings.

- 3. <u>Product Specifics</u>- Verizon will make available its FiOS<sup>SM</sup> Business Service to eligible institutional users at one of the 2 speeds below:
  - 5 Mbps downstream / 2 Mbps Upstream for \$39.95/month per location

Or

- 15 Mbps downstream / 2 Mbps Upstream for \$59.95/month per location

  Both speeds include 1 Dynamic address and 10 Verizon.net e-mail boxes per location. The primary e-mail box has a capacity of thirty (30) megabytes of memory allotment, and each of the remaining nine mail boxes have ten (10) megabytes of memory allotment. In addition, Verizon will waive the normal onsite installation cost of ninety nine dollars (\$99). This includes the installation of an Optical Network Terminal, a Battery Backup Unit, a data jack (RJ45), and the configuration of one PC. Additional data work, such as an installation of a second data jack, will be billed on a time and materials basis. Any additional PC configuration after the primary PC will be billed at the flat rate of seventy five dollars (\$75) per computer. A subsequent premises visit for any additional PC configuration will also incur a fifty dollar (\$50) visit charge. Verizon will also waive the cost of a 4-port wired router to support one dynamic IP address.
- 4. <u>Time Frames</u>- Within six (6) months of the commencement of FiOS<sup>SM</sup> TV service to a community, Verizon will begin offering the FiOS<sup>SM</sup> Business Service to Eligible Users within that community. Verizon commits to performing a minimum of twenty (20) installations per month, if requested by designated authorized representatives, to FiOS<sup>SM</sup> enabled buildings.

- 5. Outreach- Within 180 days of the receipt of a Certificate of Authority to Operate for a designated Service Area, a representative of Verizon will contact each of the authorized representatives of the eligible users in the municipalities of that Service Area to arrange for a meeting to inform the eligible users of the availability of services under the terms of this proposal. Verizon will provide such representatives with materials such as instruction manuals, forms and promotional information setting forth the rates, terms and conditions of use of Verizon's FiOS Business Service and ordering and customer service information.
- 6. Reporting Verizon shall maintain a written log of its Outreach efforts. The log shall contain: the identity of each Designee Verizon has contacted pursuant to paragraph III.B.5 above; the date of such contact; the date (if any) on which the Designee ordered any Verizon FiOS<sup>SM</sup> Business Service offered pursuant to this Agreement; the type of service ordered; and the date on which Verizon completed installation of that service. Verizon shall provide a copy of the log to the Division within nine months of receipt of its initial Certificate of Authority to Operate and quarterly thereafter for a period of two years from receipt of such Certificate.
- 7. Technical Support- the Verizon Fiber Solutions Center provides live technical support 7 days a week, 24 hours a day. An online tutorial, user guides, frequently asked questions (FAQs), and Verizon's extensive online help site are also available. In addition, Verizon shall appoint an employee to serve as a single point of contact between Verizon and the Designees of eligible users (as described in paragraph III.B.2 above) to address questions, issues or complaints regarding Verizon's FiOS Business Services provided pursuant to this Agreement.
- 8. <u>Discontinuance of Service for Non-Payment</u>- Service may be denied or discontinued at any time in the event that payment is not made when due.
- 9. <u>Compliance With Law</u> In making its FiOS Business Service available to Eligible
  Users pursuant to this Agreement, Verizon will remain subject to, and comply with, applicable

state and federal law, and all valid and applicable: Orders of the Division; the Division's Rules of Practice and Procedure; and the Division's Cable Rules. Verizon reserves all rights and remedies afforded to it under state and federal law, Orders of the Division, the Division's Rules of Practice and Procedure and the Division's Cable Rules.

# IV. PROPRIETY OF THE SETTLEMENT AGREEMENT

Each of the undersigned parties attests that this Settlement Agreement is reasonable, in the public interest, in compliance with applicable law and regulatory policy, and satisfies the level playing field provisions of R.I.G.L. 39-19-3.

ADVOCACY SECTION OF THE DIVISION OF PUBLIC UTILITIES AND CARRIERS

VERIZON NEW ENGLAND INC.

By its attorney,

By its attorney,

Lleo J. Wold

Dated: 10/2/08

Alexander W. Moore

Dated: /O

# Exhibit 1

SERVICE AREAS	# OF HOUSEHOLDS
SERVICE AREA 1 (Burrillville, Central Falls, Cumberland, Glocester, Lincoln, Smithfield, North Smithfield, Woonsocket)	65,153
SERVICE AREA 2 (Providence, North Providence)	76,740
SERVICE AREA 3 (Foster, Cranston, Scituate, Johnston)	47,466
SERVICE AREA 4 (East Providence, Pawtucket)	50,577
SERVICE AREA 5 (Barrington, Bristol, Warren)	19,033
SERVICE AREA 6 (Coventry, Exeter, East Greenwich, West Greenwich, Warwick, West Warwick, North Kingstown)	79,559
SERVICE AREA 7 (Jamestown, Little Compton, Middletown, Newport, Portsmouth, Tiverton)	35,229
SERVICE AREA 8 (Charlestown, Hopkinton, Narragansett Richmond, South Kingstown, Westerly)	34,196
SERVICE AREA 9 (Block Island)	472
TOTAL HOUSEHOLDS IN RHODE ISLAND	408,425

# PROPOSED SERVICE OVERVIEW, PRODUCT OFFERS AND ARCHITECTURE

- Overview of Fiber to the Premises (FTTP) Deployment
- Service Overview
  - Product Offer
  - Service Delivery/Connection Method
- FTTP System Architecture
  - o End-to-End Architecture
  - Wide Area Transport

# Overview of Fiber To The Premises (FTTP) Deployment

Fiber to the Premises (FTTP) is a key Verizon corporate initiative to provide voice, cable television and very high speed data services. FTTP uses fiber-optic cable and optical electronics to directly link homes and many businesses to the Verizon network. The fiber network being deployed can support cable television and, where appropriate, Verizon will seek to provide cable service to customers. Key objectives include, but are not limited to, the delivery of higher customer satisfaction, superior performance (network, applications & technical support), and an installation process that surpasses the Cable, DBS and DSL experience today.

- Verizon Communications companies began deploying FTTP in twelve states in 2004. Verizon passed six million homes with FTTP in sixteen states by the end of 2006.
- Cable television services deployment will be a subset that is ancillary to the voice and data FTTP services. Select FTTP-enabled wire centers will be deployed for cable service in the first instance.

#### **Service Overview**

The FTTP Network will enable provision of a feature rich and fully competitive cable television offering. The major components of the cable television services which Verizon will offer to consumers will include:

- Basic Tier, including local and Education and Government (EG) channels as requested by and as negotiated with the community
- Digital channel tiers
- Premium channel tiers
- Pay Per View (PPV)
- HDTV channels
- Digital music channels
- Digital Video Recorder (DVR)

Verizon New England Inc.

- Interactive programming guide (IPG)
- Inside coax cable wire installation

#### **Product Offers**

For residential customers, Verizon will initially offer Broadcast Television, High Definition TV (HDTV), Digital Video Recorders (DVR), Interactive Programming Guide (IPG) and Pay Per View (PPV) Movies and Events. The Broadcast Television offering will consist of both a Basic Service tier and an Expanded Service tier. The Basic Service tier will include local, educational/government (EG) channels and select cable channels. The Expanded Service tier will be 100% digital and will include all channels carried on the Basic Service tier as well as additional cable channels, premium cable channels, Spanish language channels, international channels, digital music channels, an interactive program guide (IPG), HDTV programming (for subscribers with an HD STB) and PPV programming. For digital tiers, a STB will be required for receipt of service. Customers will be charged a monthly recurring fee for each box based upon model. The customer will be offered the option to upgrade STBs to include support for HDTV, or a combined HD DVR STB for additional monthly fees. Verizon will notify the Municipality of the final channel line-up prior to service offering.

In addition to organizing and informing the customer of the programming line-up, the system is designed from its outset to be an active two-way system for subscriber interaction, if any, required for the selection or use of cable service. The IPG will support on-screen program control, parental controls, timers, search, and ordering of PPV services. Pay Per View allows subscribers to pay for and watch prescheduled programming events on an on-demand basis. PPV movies or events will be selected from the IPG. Authorization for billing will occur at the time of purchase. Events begin at pre-scheduled intervals (i.e., programming is not immediately available). Customers will purchase PPV either as discrete events or in pre-defined packages.

# Service Delivery/Connection Method

# Connection Method: Analog

At initial deployment, an installation and maintenance (I&M) technician will connect the Optical Network Terminal (ONT) to a central point of demarcation where a cable television I & M technician will make final connections to provide the cable television service. After the installation of the ONT, a cable television field technician will test the existing in-home coaxial cable to determine if it is technically acceptable and will connect the service. If no coaxial cable exists or the coaxial cable is unacceptable, the technician will install wiring to the first cable outlet, and will install new coaxial wiring to other locations identified by the customer at the customer's request and expense. The customer may choose to self-install such wiring, or to obtain inside wiring installation service from a third party or Verizon.

Connection Method: Digital - New Install

Verizon New England Inc.

Installation per the analog method will be done. In addition, the technician also will have a set top box that will need to be installed near the TV. The technician will connect a coaxial cable from the wall outlet to the set top and another coaxial cable from the set top box to the TV. The technician will also connect the customer's VCR and/or DVD device and check for proper operation. A fee may be charged for non-standard installations involving multiple components such as surround sound systems or other electronic equipment.

This process will be followed for any boxes installed.

# Connection Method: Digital - Set Top Box

When a set top box is installed the technician will call the service center at which point the digital services previously ordered by the customer will be activated. A remote command will be issued to the set top box in real time to turn the purchased service(s) on.

# Connection Method: Digital - PPV

Customers must have at least one set top box to have access to the service. The customer will use their remote control to purchase the programming they desire. Purchases will appear on the monthly bill.

# **Equipment Changes and Re-Configurations**

When a customer changes the in-home configuration (e.g., moving a set top box from one TV to another), the customer will be able to accomplish this change without reconfiguring the set top box

# **FTTP System Architecture**

#### **End-to-End Architecture**

Figure 1 shows the architecture topology for supporting service across multiple market areas. A brief summary of the end-to-end architecture follows. Subsequent sections provide more information on each major component within the planned Verizon FTTP overlay architecture.

Figure 2 shows full build and overlay architecture. FTTP will be built instead of copper facilities in new communities. In existing communities, the existing copper network will continue to serve those customers who have not migrated to the FTTP network. The fiber is deployed from a Central Office location within a wire center area.

Figure 1-High Level End to End Architecture

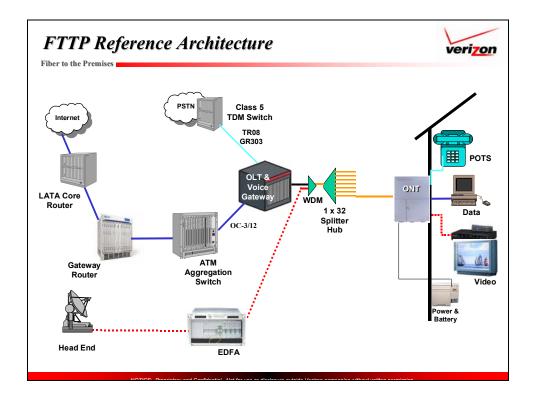
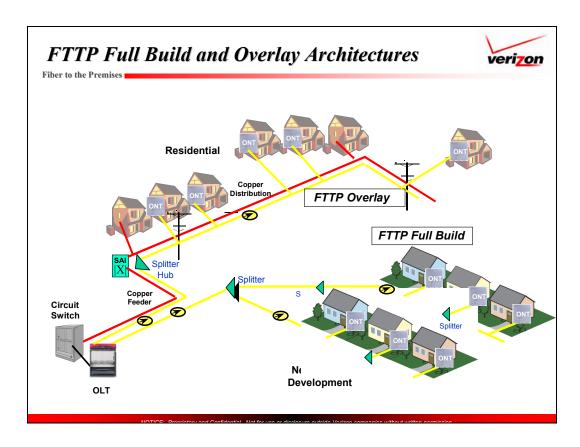


Figure 2-FTTP Full Build and Overlay Architectures



At the national or regional level, a "super" headend (SHE) (Temple Terrace, Florida with a backup in Bloomington, Illinois) shall serve as the single point of national content aggregation (see Figure 1). All content shall be encoded into MPEG2 streams and transported over nationwide SONET services. In each market where Verizon seeks to offer service, the broadcast cable television traffic is off loaded from the long haul network and terminated at a Video Hub Office (VHO). Network redundancy and route diversity shall extend from the SHE to the VHO.

The VHO serves as the metro or local point of aggregation. It is here that off-air and public, education, and government (PEG) channels (where appropriate) are combined with the broadcast cable television coming from the SHE. Interactive Program Guides (IPG) shall be controlled from this site, also. The service that exits the VHO shall look like the final product viewed by the end user subscriber.

Cable television traffic is converted to optical signals at the VHO and transported over Verizon's metro area, inter-office facilities (IOF) to Video Serving Offices (VSOs). Voice and high-speed data signals are combined with the cable television at this location for final transport to the subscriber premises over Verizon's FTTP Passive Optical Network (PON).

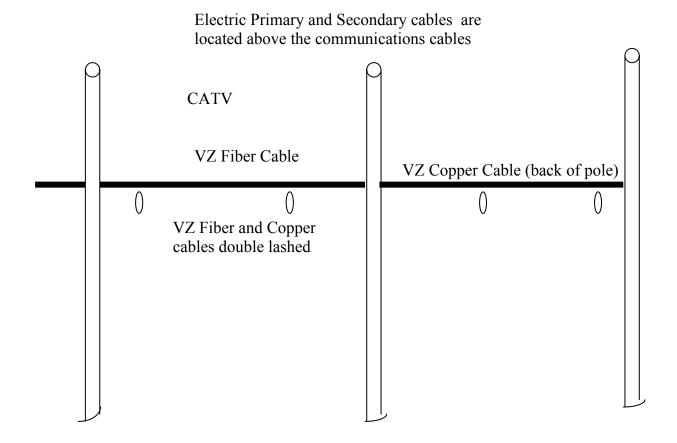
Verizon New England Inc.

At the premise, the optical cable television signal is de-multiplexed and converted to an electrical signal, which meets cable television industry standards for cable services. Standard home wiring practices, using coaxial cables, as well as alternative media, shall distribute the signal to cable ready TVs and standard set top boxes (STB).

There will be 24x7 control and surveillance of the cable television platform from a remote location. This Network Operations Center (NOC) will be centrally located and shall be responsible for the operation and maintenance of the Conditional Access System (CAS), which

Copper and fiber cables are currently attached to the same poles throughout the Verizon Outside Plant network. Verizon has internal practices that describe how the cables are and will be attached within the typical telephone space on the pole. Fiber and copper cables are mixed on the same side of the pole, on opposite sides of the pole and at times double-lashed. See figure 3 below for a graphical depiction of Verizon's pole attachment practices for Rhode Island.

Figure 3 - Possible attachment positions of Verizon fiber and copper cables on a pole line.



Verizon New England Inc. Application for a Compliance Order Certificate for Rhode Island Service Areas 2, 3, and 8. Exhibit 3

# Super Headend (SHE)

A "super" headend (SHE) shall serve as the single point of national content aggregation. At general service availability, Verizon shall deploy a primary SHE and an additional SHE for redundancy.

Both the primary and redundant SHEs will be strategically located to ensure technical and environmental requirements are met.

The key functions of the SHE include:

Content Reception

**Signal Processing** 

Encoding

Network Interface

The majority of cable television sources shall be individual content provider programming. A mix of standard and high definition formats shall be supported. All content shall be encoded into MPEG2 streams, formatted for SONET, and transported via an OC48c to a local point-of-presence (POP) for wide area (national) transport.

# Wide Area Transport

In support of the cable television service, Verizon will use OC48c SONET facilities in the POPs serving target cable markets. Where multiple POPs exist within a market, redundancy options shall dictate if a single or multiple POPs shall be designated for supporting the cable television traffic.

In most cases, it is expected that the cable television traffic shall traverse multiple interconnected rings between the SHE and the destination market. Once the cable traffic reaches a POP located in a target market, it will be forwarded to an OC48c SONET interface connected to metro/local SONET facilities. These facilities shall connect the POP to a Video Hub Office (VHO). VHOs are capable of serving multiple communities within a target market. If more than one VHO is required, the metro SONET ring(s) would be deployed to cover multiple sites.

### Video Hub Office (VHO)

The VHO serves as the metro or local point of aggregation. The VHO location (Queens, NY) is based on a combination of technical factors, metro fiber/IOF availability, local channel reception characteristics, and municipal regulations (e.g., zoning ordinances).

Under current network design plans, the anticipated functions of the VHO include:

WAN Interface for Cable television Transport

Ad Insertion

**PEG Content** 

Verizon New England Inc.

Signal Grooming and Multiplexing
Emergency Alert Service
Interactive Program Guide
Conditional Access
Local Content

The VHO shall aggregate three basic sources of content: national broadcast channels, local broadcast channels, and public, education, & government (PEG) channels. The national content is the traffic sent from the SHE and is delivered via an OC48c SONET interface from the SONETPOP. The local broadcast channels shall be received off-air via antennas or terrestrial fiber transport located at the VHO site. The PEG channels shall be collected via terrestrial connections from each local franchising area (LFA) served by the VHO.

The final collection of content is placed into the RF spectrum between 50 – 870 MHz as either an analog AM-VSB signal or, as part of a digital multiplex, into a 256-QAM modulated carrier. Digital content requiring encryption by the CAS shall also be multiplexed into QAM modulators and combined with other analog and digital carriers. In addition, an out-of-band downstream channel is generated which carries the Interactive Program Guide (IPG), provisioning, and management messages to STBs. The combined RF signal is converted to optics and fed into erbium-doped fiber amplifers (EDFAs) at egress from the VHO. These optical cable television signals are transported on the 1550 nm wavelength of the G.983-specified Enhancement band to Verizon Video Serving Offices (VSOs).

As noted previously, it is intended that the broadcast cable television traffic/service that exits the VHO shall look like the final product viewed by the end user subscriber.

# Metro Area Transport

The optical cable television signals coming from the VHO are transported on the 1550 nm wavelength over fiber available within Verizon's inter-office facilities (IOF).

# Video Serving Office (VSO) & Passive Optical Network (PON)

The Video Serving Office (VSO) is a location within the central office containing FTTP equipment. The VSO that will serve the Village of Piermont is located in Orangeburg, New York. If technically feasible or otherwise appropriate, PEG insertion may occur at these locations in the network

The key function of the VSO is to combine Broadcast Cable television into the Voice and High Speed Data FTTP Network.

Once in the VSO, the optical cable television signal is sent through an EDFA and then to a Wave Division Multiplexer (WDM) combiner and splitter, which is used to add the cable signal to the Verizon New England Inc.

voice and high-speed data signals' wavelength (1490nm) – coming from the Optical Line Terminal (OLT) – together with the cable wavelength onto a single optical source. This optical signal is then sent towards the subscriber premises via a PON. The VSO will also play a role in supporting upstream signals from the customer premises for pay-per-view services. Pay-per-view usage data uses the data service's 1310nm upstream wavelength. The upstream data communications shall be sent back to a subscriber database located in the Operations Center located in the VHO

### **Customer Premises**

At the premise, an Optical Network Terminal (ONT) de-multiplexes the 1550nm optical signal and simply converts it to a voice, data and cable television electrical signal, which meets cable television industry standards for cable services.

It is expected that, in many cases, standard home wiring practices, using coaxial cables, will distribute the signal to cable ready televisions (for analog-only subscribers) and to STBs for digital subscribers.

# LEGAL AUTHORITY TO CONSTRUCT FIBER TO THE PREMISES

Verizon New York Inc. ("Verizon"), as a common carrier under Title II of the Communications Act of 1934 (the "Act"), is constructing its Fiber To The Premises (FTTP) network as an upgrade to its existing telecommunications network. Verizon has the requisite authority to upgrade its network for enhanced voice and broadband services for the reasons discussed, in part, below.

Verizon has the necessary Federal, state and local authorizations to upgrade its Title II telecommunications network, subject to customary time, place and manner permitting requirements. Specifically, Section 27 of the New York Transportation Corporations Law ("New York Telecom Law") grants Verizon the right to place its facilities upon, over or under any public streets within the State of New York. See New York Tel. Co. v. Town of North Hempstead, 41 N.Y.2d 691, 363 N.E.2d 694 (1977); New York Tel. Co. v. City of Amsterdam, 613 N.Y.S.2d 993, 994 (App. Div. 1994) (stating that Section 27 grants "an unconditional privilege to install, maintain and repair" telephone facilities in public streets).

The Title II services to be provided over Verizon's FTTP network are not subject to Title VI of the Act or Article 11 of the New York State Public Service Law ("New York Cable Law"), which regulate cable television service. Verizon plans to utilize FTTP to offer its customers enhanced voice and broadband data services. While FTTP may give Verizon the future capability of providing video service, the network is not subject to Title VI of the Act or the New York Cable Law (including any construction requirements that may be set forth therein) unless and until the network constitutes a "cable system" as defined in Section 602(7) of the Act or a "cable television system" as defined in Section 212(2) of the New York Cable Law. This is triggered only when cable services, such as video programming, are provided to multiple subscribers within a community. As stated in Section 602(7) the Act, "the term 'cable system' ... does not include ... (C) a facility of a common carrier which is subject, in whole or in part, to the provisions of title II of this Act, except ... to the extent that such facility is used in the transmission of video programming directly to subscribers..." (emphasis added) 47 U.S.C. § 522(7)(C). See Nat'l Cable Television Ass'n v. FCC, 33 F.3d 66 (D.C. Cir. 1994) (concluding that the FCC "reasonably interpreted the Act to require that an entity obtain a cable franchise only when that entity selects or provides the video programming to be offered.") Moreover, Section 621(b)(3) of the Act (47 U.S.C. § 541(b)(3)) further specifically prohibits franchising authorities from requiring cable franchises for the provision of telecommunications service or in any way restricting or impeding the provision of such service.

Verizon has the requisite authority as a common carrier under Title II of the Act and Section 27 of the NY Telecom Law to construct its FTTP network. It need not seek supplemental authority to construct the network. However, as provided in Title VI of the Act and the New York Cable Law, a cable franchise would be required prior to Verizon using the FTTP network to provide video programming to multiple subscribers in a local franchise area.

Furthermore, on June 15, 2005, the New York Public Service Commission ruled that Verizon does not need to obtain a cable franchise before constructing its FTTP network. The Verizon New England Inc.

Commission found that unlike cable companies, Verizon already has the necessary authority under state law to use the public rights-of-way. Thus, the Commission concluded that Verizon has the right to upgrade its telecommunications network to make it capable of providing cable service. See Declaratory Ruling on Verizon Communication, Inc.'s Built-Out of its Fiber to the Premises Network, NY Public Service Commission, Case 05-M-0520/05-M-0247, June 15, 2005.

	Loca	al		Infor	mation					Movie	ac**
	2	PBS — WGBH-TV	•	100	Discovery Channel		)	190 BET Jazz	•	340	
	3	i:WSBK-TV		101	National Geographic			<b>191</b> CMT			Starz West
ő	4	CBS — WBZ-TV	πie		Channel	nje Bi		192 CMT Pure Country	Movies		Starz Edge
>	5	ABC — WCVB-TV	Premier	102	Science Channel	Premier	п	193 Great American Country	Š		Starz Edge West
i C	6	My WZMY-TV		103	Discovery Times	2		194 Gospel Music Channel			Starz in Black
FIOS TV Local	7	NBC — WHDH-TV	FiOS TV	104	Pentagon Channel	S		195 BET Gospel			Starz Kids & Family
	8	FOX — WFXT-TV	6		Military Channel	Fios		199 Soundtrack Channel			Starz Cinema
	9	ABC — WMUR-TV		106	Military History Channel		L	Movies		347	Starz Comedy
	10	Telemundo — WNEU-TV		107	History Channel			200 Turner Classic Movies		348	Encore
	11	ETV — WENH-TV		.07	International			<b>201</b> AMC		349	Encore West
	12	CW — WLVI-TV		108	History Channel			202 Fox Movie Channel		350	Encore Love
	13	Superstation — WGN-TV 9		109	Biography Channel		L	Family		351	Encore Love West
	15	i:WBPX		110	Animal Planet			210 Hallmark Channel (East)		352	Encore Westerns
	21	Telefutura — WUTF-TV		119	TLC (The Learning Channel)			212 Family Net		353	Encore Westerns West
	24	Local Programming		Wom	•			213 AmericanLife TV		354	Encore Mystery
	25	ETV — WYDN-TV		120	Lifetime			<b>214</b> TV Land		355	Encore Mystery West
	26	Local Programming		121	Lifetime Movie Network			Children			Encore Drama
	27	Univision — WUNI-TV		122	Lifetime Real Women			220 Disney			Encore Drama West
	28	Local Programming		123	SoapNet			221 Toon Disney			Encore Action
	29	Local Programming		124	Oxygen			222 Nickelodeon			Encore Action West
	30	Local Programming		129	Women's Entertainment			223 Nick Too			Encore WAM!
	31	Local Programming		Shop				224 Nick Toons		361	Showtime
	32	Local Programming		130	QVC			225 GAS			Showtime West
	33	Local Programming		131	HSN			226 Noggin 227 Cartoon Network (ESP)*			Showtime Showcase West
	34	Local Programming		133	America's Store			228 Boomerang (ESP)*			Showtime Showcase West
	36	Local Programming		135	Jewelry			229 Discovery Kids			Showtime Too West
	37	Local Programming		137	Shop NBC			230 Varsity			Showtime Beyond
	39	Local Programming		Hom	e & Leisure			231 FUNimation			Showtime Beyond West
	40	Local Programming		140	Style			232 PBS KIDS Sprout		369	Showtime Extreme
	41	Local Programming		141	Discovery Health		_	People & Culture		370	Showtime Extreme West
	42	Local Programming		143	Fit TV			<b>240</b> BET		371	Showtime Women
	43	Local Programming		144	Food Network			241 TV One			Showtime Women West
	44	PBS — WGBX-TV		145	HGTV (Home & Garden			242 Black Family Channel			Showtime Next
*	48	TV Guide			Television)			<b>243</b> MTV Tr3s		374	Showtime Next West
	49	Weatherscan Local		146	Fine Living			244 Galavisión		375	Showtime Family Zone
	Ente	rtainment		147	DIY (Do It Yourself)			<b>245</b> Mun2		376	Showtime Family
	50	USA Network		148	Discovery Home			<b>246</b> Sí TV			Zone West
ē	51	TNT		149	Wealth TV			247 AZN Television			The Movie Channel
Premier	52	TBS		150	Travel Channel			248 Bridges TV			The Movie Channel West
	53	FX			Culture			Religion			The Movie Channel Xtra
2	54	Spike TV		160	Sci-Fi Channel			<b>260</b> EWTN		380	The Movie Channel Xtra West
FiOS	Spor			161	A&E			<b>261</b> INSP		381	Flix
证	60	ESPN		162	Crime & Investigation Network			<b>262</b> I-Life		382	Flix West
	61	ESPN Classic Sports		163	Court TV			263 Church	<b>(x</b> )	384	Sundance
	62	ESPNews		164	GSN			<b>264</b> JCTV	•	385	Independent Film Channel
	63	ESPNU ESPN 2		165	Bravo			<b>265</b> BYU		HBO <sup>5</sup>	*
	64 65	ESPN 2		166	Sleuth			266 Three Angels	♥	400	НВО
	65	New England Sports Network		167	Logo			268 Daystar	Ø	401	HBO West
	66	Fox Sports Net —		168	Ovation	*	\	269 Smile of a Child	ium	402	HBO 2
		New England		169	BBC America			270 Trinity Broadcast Network	Premium		HBO 2 West
	71	Speed Channel		170	Comedy Central			Sports**	P		HBO Signature
	72	NFL Network		171	G4	•	)	300 Fox College Sports —			HBO Signature West
	75	VERSUS		176	E! Entertainment Television			Atlantic			HBO Family
	New	/S		177	Fox Reality	Sports		301 Fox College Sports — Central			HBO Family West
	80	CNN		178	Fuel	Ω̈́		302 Fox College Sports —			HBO Comedy
	81	CNN Headline News		179	ABC Family			Pacific			HBO Comedy West
	82	Fox News		Musi	С			303 Tennis Channel			HBO Zone
	83	CNBC		180	MTV			305 Golf Channel			HBO Zone West HBO Latino
	84 95	MSNBC Bloomborg TV		181	MTV2			307 Outdoor Channel			HBO Latino West
	85 86	Bloomberg TV CNN International		183	MTV Jams			308 The Sportsman Channel		Ciner	
	87	CNBC World		184	MTV Hits			311 Fox Sports en Español			Cinemax
	88	ABC News Now		185	IMF (International			312 Fox Soccer Channel			Cinemax West
	89	C-SPAN			Music Feed)			313 GolTV		417	More Max
	90	C-SPAN 2			FUSE			315 TVG (Horse Racing)		417	More Max West
	91	C-SPAN 3		187	VH1			316 Horse Racing TV			Action Max
	93	NECN		188	VH1 Classic			318 May TV			Action Max West
	99	The Weather Channel		189	VH1 Soul			319 Blackbelt TV			Thriller Max
						*	)				

<sup>\*</sup>A Spanish-language Secondary Audio Program (SAP) is available for selection.
\*\*Subscription to corresponding premium channels and packages required.

○ FiOS TV Local

Arts & Entertainment

Sports

News & Information



Premiums

FiOS TV is frequently changing its channel offerings. To view our latest published channel lineup, please visit verizonfios.com/tv.

	Ciner	nax** (cont.)
•	422	
ns	423	Women's Max
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		Playbay TV
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•	440	Galavisión
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nag	443	Fox Sports en Español
ıngı	444	GolTV
La	446	CNN en Español
Spanish Language	447 448	Canal SUR TVE Internacional
Spa	452	History Español
0)	453	Discovery en Español
	454	Viajar y Vivir
	456	Infinito
	457	MTV Tr3s
	458	VH Uno
	459	Telehit
	462	
	463 464	De Película Clásico Cine Latino
	465	Cine Mexicano
	468	La Familia
	469	TV Chile
	470	TV Colombia
	472	Sorpresa
	473	Toon Disney Español
	474	Boomerang (ESP)*
	475	Discovery Kids en Español
<b>(x</b> )	477	TBN Enlace
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La Conexión 🌖 🌘 International Premiums 🕙	Harman 480 481 482 483 484 485 486 487 490 491 492 493 497 500 501 502 503	sational Premiums** SBTN (Vietnamese) CCTV-4 (Mandarin Chinese) CCTI — Zhong Tian Channel (Chinese) TV Japan MBC (Korean) The Filipino Channel TV Asia ART (Arabic) RAI (Italian) TV 5 (French) TVP Polonia (Polish) Rang A Rang (Farsi) RTN Russian Channel 1 Russian MTV K MTV Chi MTV Desi tainment USA Network TNT TBS Galavisión

	Spor	ts
•	508	ESPN Deportes
ión	510	New England Sports Network
a Conexión	511	Fox Sports Net — New England
-a	513	Fox Sports en Español
_	514	Fox Soccer Channel
	516	GolTV
	New:	CNN en Español
	519	CNN
	520	CNN Headline News
	521	Fox News
	522	CNBC
	523 524	MSNBC C-SPAN
	525	Canal SUR
		mation
	529	TVE Internacional
	530	History Español
	531 532	Discovery Channel
	532	Discovery en Español Animal Planet
	535	TLC (The Learning
		Channel)
	Wom 537	Lifetime
	538	Lifetime Movie Network
	Shop	
	540	QVC
	541	HSN
	543	Shop NBC
		e & Leisure Discovery Health
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	545	
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	545 546 549 550	Discovery Health Viajar y Vivir Infinito Food Network HGTV (Home & Garden Television)
	545 546 549 550 551 552	Discovery Health Viajar y Vivir Infinito Food Network HGTV (Home & Garden Television) Travel Channel Culture
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	545 546 549 550 551 552 Pop 555 556 557 558 559 560 Musi 562	Discovery Health Viajar y Vivir Infinito Food Network HGTV (Home & Garden Television) Travel Channel Culture El Entertainment Television A&E Sí TV Mun2 Comedy Central Sci-Fi Channel C MTV Trás
	545 546 549 550 551 552 Pop 555 556 557 558 559 560 Musi 562 563	Discovery Health Viajar y Vivir Infinito Food Network HGTV (Home & Garden Television) Travel Channel Culture E! Entertainment Television A&E Sí TV Mun2 Comedy Central Sci-Fi Channel C MTV Trás MTV2
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	545 546 549 550 551 552 Pop 555 556 557 558 559 560 Musi 562 563 564 565 566	Discovery Health Viajar y Vivir Infinito Food Network HGTV (Home & Garden Television) Travel Channel Culture E! Entertainment Television A&E Sí TV Mun2 Comedy Central Sci-Fi Channel C MTV Trás MTV2 Telehit VH Uno CMT
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	545 546 549 550 551 552 Pop 555 556 557 558 559 560 Movi 562 563 564 565 566 Movi 571 572 Fami 574 575	Discovery Health Viajar y Vivir Infinito Food Network HGTV (Home & Garden Television) Travel Channel Culture E! Entertainment Television A&E Sí TV Mun2 Comedy Central Sci-Fi Channel C MTV Trás MTV2 Telehit VH Uno CMT es De Película De Película De Película Clásico Cine Mexicano Cine Latino IV ABC Family La Familia
	545 546 549 550 551 552 Pop 555 556 557 558 569 563 564 565 566 Movi 571 572 Fami	Discovery Health Viajar y Vivir Infinito Food Network HGTV (Home & Garden Television) Travel Channel Culture E! Entertainment Television A&E Si TV Mun2 Comedy Central Sci-Fi Channel C MTV Trás MTV2 Telehit VH Uno CMT es De Película De Película De Película Clásico Cine Mexicano Cine Latino Ily ABC Family La Familia TV Chile
	545 546 550 551 552 Pop 555 556 557 560 Musi 562 563 564 565 570 571 572 Fami 574 575 576 576	Discovery Health Viajar y Vivir Infinito Food Network HGTV (Home & Garden Television) Travel Channel Culture E! Entertainment Television A&E Sí TV Mun2 Comedy Central Sci-Fi Channel C MTV Trás MTV2 Telehit VH Uno CMT es De Película De Película De Película Clásico Cine Mexicano Cine Latino IV ABC Family La Familia TV Chile

	Child	ren
ூ	580	Nickelodeon
ÓП	581	Disney en Español
ΘΧi	582	Toon Disney Español
o	583	Boomerang (ESP)*
-a Conexión	584	Cartoon Network (ESP)*
تْ	585	Sorpresa
	586	Discovery Kids en Español
	Religi	
<b>*</b>		TBN Enlace
	589	EWTN Español
2	Music	c Choice
<b>⊚</b>	600	Showcase
	601	
oice		Classic Country
Sho		
Ö	604	Bluegrass R&B and Hip-Hop
Music Choice		
2	606	Classic R&B Smooth R&B
	607	R&B Hits
	608	Rap
	609	Metal
	610	Rock
	611	Arena Rock
	612	Classic Rock
	613	Alternative
	614	Retro-Active
	615	Electronica
	616	Dance
	617	Adult Alternative
	618	Soft Rock
	619	Hit List
	620	Party Favorites
	621	90s
	622	80s
	623	70s
	624	Solid Gold Oldies
	625	Singers & Standards
	626	Big Band & Swing
	627	Easy Listening
	628	Smooth Jazz
	629	Jazz
	630	Blues
	631	Reggae
	632	Soundscapes
		Classical Masterpieces
	634	Opera
		Light Classical
	636	Show Tunes
	637	Contemporary Christian
	638	Gospel
	639	Radio Disney
	640	Sounds of the Seasons
	641	Música Urbana
	642	Salsa y Merengue
	643	Rock en Español Pop Latino
$\sim$	644	•
*	645	Mexicana
	646	Americana
•	704	Frents
► Vdd	701 702-	Events
P	702-	ESPN-NCAA Sports/
*		GamePlan/Full Court
	HDTV	/ Broadcast
$\bigcirc$	802	PBS — WGBH HD
모	803	i:WSBK HD
_	804	CBS — WBZ HD

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● 805 ABC — WCVB HD
    806 CW - WLVI HD
BO7 NBC — WHDH HD
    808 FOX — WFXT HD
  HDTV National
    825 TNT HDTV
    826 ESPN HDTV
    827 ESPN 2 HDTV
    828 NFL Network HDTV
    833 HD Net
    834 HD Net Movies
    835 Universal HDTV
    836 Discovery HDTV
    837 Wealth TV HD
    838 National Geographic Channel HD
    839 MTV HD
   HDTV Premium
    851 HBO HDTV
    852 Cinemax HDTV
    853 Showtime HDTV
854 TMC HDTV
    855 Starz HDTV
    Local Plus
● 860 NBC Weather Plus
   862 WLVI DT — The Tube
Music Network
   870 PBS — WGBH 2
   871 PBS — WGBX 44
    872 PBS — 'GBH Kids
    873 PBS — WGBH World
   874 PBS — WGBH Create
    VIDEO ON DEMAND**
    900 FiOS On Demand
Demand
    Kids FREE
    ALL FREE
         Home & Leisure
o
         Info & Education
         Kids
         Music
         News
         Pop Culture
         Shopping
         Sports
    Movies
         New Movies
         New by Category
         All Movies
         All Movies by Category
         In Theaters
         En Español
    Subscriptions
         Cinemax
         НВО
         Showtime
         Starz
         Sundance
         The Movie Channel
         WWF
         Karaoke
         Playboy
    Adult
         Hustler
         Spice
         TEN
         Uncensored
    FiOS TV Help
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\*A Spanish-language Secondary Audio Program (SAP) is available for selection.
\*\*Subscription to corresponding premium channels and packages required.
Programming services offered within each package are subject to change, and not all programming services will be available at all times. Blackout restrictions also apply.



