LOCAL DATA CENTER

Media flow Controller (transparent Proxy)
Vxa2010

Media flow Controller (reverse Proxy)
Vxa2010

Media flow Publisher
Vxa2010

Nfs/Web server

Application Delivery Controller (adc)

EX4500

DNS Server

REGIONAL DATA CENTER

Global server Load balancer

Media flow Controller (transparent Proxy)
vxa2010

Peering Router

EX4500

m7i

To internet

SUPER HEAD END

Acquisition Systems

VOD Master Library

EX4500

CPE

SRX110

SRX220

SRX240

SRX650

ACCESS

Demarcation Device

MSAN

EX4500

MSAN

(Non-juniper)

EDGE

BOSTON

MX960 BSR

CORE

NEWTON

LOWELL

CONNECTICUT

ADC

MX SERIES

MX SERIES

BROCKTON

WORCESTER

MX SERIES

MX SERIES

NEW YORK

MX SERIES

IPTV Service Delivery Chain

Content Domain

Content

Owns or licenses
TV content

.Codecs
.MPEG
.Digital Rights

Service Domain

Stream

Transact

Provides IPTV
Service to the costumer

.Video control
.Subscription
.Billing Mgt

Network Domain

Deliver

Control

Connects service
To the consumer

.Access network
.Policy control
.System mgt

Consumer Domain

Decode   **View**

Service
consumed

.Gateway mgt
.Device mgmt
.interop

CONTROL

PARTNER APPLICATION FUNCTION

PARTNER CONTROL FUNCTION

Auto Configuration Server

IDENTITY

BILLING

OSS

WT-147 L2CP

WT-134 Policy Control Framework

Service Assurance
TR-126 IPTV QoE
TR-176 ADSL2Plus IPTV Guidelines

TR-069 Remote CPE Mgmt

VHO/VSO

ACCESS

TR-101
Ethernet Access
And Aggregation

HOME

IPTV Encoder

Ip Router

Ethernet Aggregation

IPTV Middleware

Access Node

RG
TR-069

DRM/CAS Servers

TR-100 ADSL2Plus Performance
WT-156 GPON in TR-101

Storage
TR-140

STB
TR-135