

CHECK HERE IF ADDITIONAL PAGES ARE ATTACHED

549 Pages

AGREEMENT NUMBER	AMENDMENT NUMBER  <b>1</b>
IFB STP 12-001-B, C3-B-15-03-TS-40	
REGISTRATION NUMBER	

1. This Agreement is entered into between the State Agency and Contractor named below:

STATE AGENCY'S NAME

California Department of Technology

CONTRACTOR'S NAME

Comcast Business Communications, LLC

2. The term of this Agreement is April 12, 2017 through June 30, 2018

3. The maximum amount of this agreement after this amendment is: \$0.00

4. The parties mutually agree to this amendment as follows. All actions noted below are by this reference made a part of the Agreement and incorporated herein:

A. Effective upon signature of both parties and approved by STP, Amendment #1 incorporates the following changes to CALNET 3, IFB STP 12-001-B, Category 3: Metropolitan Area Network (MAN) Ethernet and Category 5: Managed Internet Services (Comcast Business Communications, LLC);

- B.
1. Attachment 1: Revisions to Category 3 – Metropolitan Area Network (MAN) Ethernet, Volume 2 - Response to Unique Subcategory Requirements, SOW Technical Requirements Response (131 pages)
  2. Attachment 2: Revisions to Category 3 – Metropolitan Area Network (MAN) Ethernet, Volume 3 – Cost Information, SOW - Catalog A (31 pages)
  3. Attachment 3: Revisions to Category 5 – Managed Internet Services, Volume 2 - Response to Unique Subcategory Requirements, SOW Technical Requirements Response (257 pages)
  4. Attachment 4: Revisions to Category 5 – Managed Internet Services, Volume 3 – Cost Information, SOW - Catalog A (129 pages)

All other terms and conditions of the original agreement shall remain the same.

IN WITNESS WHEREOF, this Agreement has been executed by the parties hereto.

**CONTRACTOR**

CONTRACTOR'S NAME (If other than an individual, state whether a corporation, partnership, etc.)  
 MCI Network Services, Inc. or MCI Financial Management Corp. on behalf of MCI Communications Services, Inc. d/b/a Verizon Business Services and other Verizon Companies

BY (Authorized Signature)

DATE SIGNED (Do not type)

*Terrence J. Connell*

9/14/17

PRINTED NAME AND TITLE OF PERSON SIGNING

Terrence J. Connell, Senior Vice President

ADDRESS

1701 John F. Kennedy BLVD., Philadelphia, PA 19103

**STATE OF CALIFORNIA**

AGENCY NAME

California Department of Technology

BY (Authorized Signature)

DATE SIGNED (Do not type)

*Marlon Paulo*

10.16.17

PRINTED NAME AND TITLE OF PERSON SIGNING

Marlon Paulo, Deputy Director, Statewide Technology Procurement, CDT

ADDRESS

P.O. Box 1310, Rancho Cordova, CA 95741-1810

CALIFORNIA  
 DEPARTMENT OF TECHNOLOGY  
 Use Only

Exempt per:

Comcast Business

IFB STP 12-001-B, C3-B-15-03-TS-40

Amendment No. 1, July 21, 2017

CALNET 3, Category 3 – Metropolitan Area Network Ethernet

CALNET 3 – Category 5 – Managed Internet Services

Amendment Summary

**Submitted by:**

*Eric Prosser*  
*Director, Comcast Business*  
*Eric\_Prosser@cable.comcast.com*  
*303-662-6232*

This Modification No. 1 (“Modification”) by and between Comcast (“Contractor”) and the State of California (“State”) is effective upon execution by the parties (“Effective Date”).

WHEREAS, Comcast and State entered into the Agreement for (service) on April 12, 2017;

WHEREAS, the parties now desire to modify the Agreement.

NOW THEREFORE, the parties, in consideration of the mutual covenants contained herein and intending to be legally bound, agree that the Agreement is modified as follows:

Category 3, Volume 2, SOW Technical Response amended items:

- **Category 3, Volume 2 SOW Technical Response – Front Cover – page 1**
  - Updated cover to include “Amendment No. 1”, Contractor’s contract award number, and Revised Date: July 21, 2017.
  - Deleted “and 5” from the title of the proposal and revised Categories to category.
- **Category 3, Volume 2 SOW Technical Response – Footers – all pages**
  - Updated the footer to include “Amendment No. 1”, Contractor’s contract award number, and Revised Date: July 21, 2017.
  - Deleted “and 5” from the title of the proposal and revised Categories to Category.
- **Category 3, Volume 2 SOW Technical Response – Table of Contents – pages 2-3**
  - Updated table of contents in its entirety.
- **Category 3, Volume 2 SOW Technical Response – Table 3.2.1.6.a – pages 26-34**
  - Updated Bidder’s Product Identifier, all rows.
- **Category 3, Volume 2 SOW Technical Response – Table 3.2.1.6.b – pages 34-84**
  - Updated Bidder’s Product Identifier, all rows.
- **Category 3, Volume 2 SOW Technical Response – Table 3.2.1.6.b – pages 34-36**
  - Updated Feature Name to Managed Router Service, rows 1-7.
  - Updated Feature Description, rows 1-7.
  - Updated Bidder’s Product Description, rows 1-7.
- **Category 3, Volume 2 SOW Technical Response – Table 3.2.1.6.b – page 52**
  - Row 122, Updated Feature Description to remove “with managed router.”
- **Category 3, Volume 2 SOW Technical Response – Table 3.2.1.6.b – page 68**
  - Row 234, Updated Feature Description to remove “with managed router.”

- **Category 3, Volume 2 SOW Technical Response – Table 3.4.2.a – pages 104-108**
  - Updated Bidder's Product Identifier, all rows.
- **Category 3, Volume 2 SOW Technical Response – Table 3.4.3 – pages 110**
  - Updated Bidder's Product Identifier, all rows.
- **Category 3, Volume 2 SOW Technical Response – Table 3.5.8.1 – page 118**
  - Added Ethernet Network Service (ENS) and Managed Router Service.
  - Added EPL and EVPL, MAE Service 10 Gbps SLA objective.
  - Added ENS MAE Service 10/100 Mbps, 1 Gbps, and 10 Gbps and Managed Router Services SLA objectives.
- **Category 3, Volume 2 SOW Technical Response – Table 3.5.8.2 – page 120**
  - Added Ethernet Network Service (ENS) and Managed Router Service.
  - Added Ethernet Network Service (ENS) and Managed Router Service SLA objectives.
- **Category 3, Volume 2 SOW Technical Response – Table 3.5.8.3 – page 121**
  - Added Ethernet Network Service (ENS) and Managed Router Service.
  - Added Ethernet Network Service (ENS) and Managed Router Service SLA objectives.
- **Category 3, Volume 2 SOW Technical Response – Table 3.5.8.4 – page 122**
  - Added Ethernet Network Service (ENS) and Managed Router Service.
  - Added Ethernet Network Service (ENS) and Managed Router Service SLA objectives.
- **Category 3, Volume 2 SOW Technical Response – Table 3.5.8.5 – page 123**
  - Added Ethernet Network Service (ENS) and Managed Router Service.
  - Added Ethernet Network Service (ENS) and Managed Router Service SLA objectives.
- **Category 3, Volume 2 SOW Technical Response – Table 3.5.8.7 – page 125**
  - Added Ethernet Network Service (ENS) and Managed Router Service.
  - Added Ethernet Network Service (ENS) and Managed Router Service SLA objectives.
- **Category 3, Volume 2 SOW Technical Response – Table 3.5.8.8 – page 126**
  - Added Ethernet Network Service (ENS) and Managed Router Service.
  - Added Ethernet Network Service (ENS) and Managed Router Service SLA objectives.
- **Category 3, Volume 2 SOW Technical Response – Table 3.5.8.9 – pages 127-128**
  - Added Ethernet Network Service (ENS) and Managed Router Service to Committed Interval table.

- Added Ethernet Network Service (ENS) and Managed Router Service SLA objectives.
- **Category 3, Volume 2 SOW Technical Response – Table 3.5.8.10 – page 129**
  - Added Ethernet Network Service (ENS) and Managed Router Service.
  - Added Ethernet Network Service (ENS) and Managed Router Service SLA objectives.
- **Category 3, Volume 2 SOW Technical Response – Table 3.5.8.11 – page 130**
  - Added Managed Router Service.

Category 3, Metropolitan Area Network Service, Volume 3, Cost Information, Catalog A, has been modified to include the following:

- Cover Page, updated to add Amendment Number, Contractor's contract number, and Revised Date of July 21, 2017. Struck original date of 05/06/2016.
- Pages 1-30, header updated with Contractor name and Contractor's contract award number. Footer updated with Amendment Number and Revised Date of July 21, 2017.
- Pages 3-8, Table 3.2.1.6, Updated Contractor's Product Identifier, all rows.
- Page 8, Table 3.2.1.6 b, Added line before row 1 with definition of Managed Router Service.
- Pages 8-26, Table 3.2.1.6.b, Updated Contractor's Product Identifier, all rows.
  - 3.2.1.6.b - Updated product ID EPLEVC0001PRI8 to EPLEVC0008PRI, line item 167 to match the volume 2, Technical Response Product ID, page 17.
- Pages 8-9, Table 3.2.1.6.b, Rows 1-7, Updated Feature Name and Feature Description.
- Page 9, Table 3.2.1.6.b, Updated title prior to row 8, Added definition of Ethernet Network Service (ENS) MAE.
- Page 15, Table 3.2.1.6.b, Updated title prior to row 122, Added definition of Ethernet Private Line (EPL).
- Page 15, Table 3.2.1.6.b, row 122, Deleted "with managed router" from Feature Description.
- Page 20, Table 3.2.1.6.b, Updated title prior to row 234, Added definition of Ethernet Virtual Private Line (EVPL) MAE.
- Page 20, Table 3.2.1.6.b, row 234, Deleted "with managed router" from Feature Description.
- Page 20, Table 3.2.1.6.b, row 234, Corrected Monthly Recurring Charge.
- Pages 27-29, Table 3.4.2, Updated Contractor's Product Identifier, all rows.
- Page 30, Table 3.4.3, Updated Contractor's Product Identifier, all rows.

Category 5, Volume 2, SOW Technical Response amended items:

- **Category 5, Volume 2 SOW Technical Response – Front Cover – page 1**
  - Updated cover to include “Amendment No. 1”, Contractor’s contract award number, and Revised Date: July 21, 2017.
  - Deleted “3 and” from the title of the proposal and revised categories to category.
- **Category 5, Volume 2 SOW Technical Response – Footers – all pages**
  - Updated the footer to include “Amendment No. 1”, Contractor’s contract award number, and Revised Date: July 21, 2017.
  - Deleted “3 and” from the title of the proposal and revised categories to category.
- **Category 5, Volume 2 SOW Technical Response – Table of Contents – pages 2-3**
  - Updated table of contents in its entirety.
- **Category 5, Volume 2 SOW Technical Response – Table 5.2.4.1.b – pages 10-16**
  - Updated Bidder’s Product Identifier, all rows.
  - Updated Item #7 Product ID to match Catalog A from EDI100B0065 to EDI100B0006
  - Updated Item #12 Product ID to match Catalog A from EDI100B00010 to EDI100B0010
- **Category 5, Volume 2 SOW Technical Response – Table 5.2.4.1.c – pages 17-23**
  - Updated Bidder’s Product Identifier, all rows.
- **Category 5, Volume 2 SOW Technical Response – Table 5.2.4.2.b – pages 25-33**
  - Updated Bidder’s Product Identifier, all rows
- **Category 5, Volume 2 SOW Technical Response – Table 5.2.4.2 c – pages 33-35**
  - Updated Feature Name to Managed Router Service, all rows.
  - Updated Feature Description, all rows.
  - Updated Bidder’s Product Identifier, all rows.
  - Renumbered items in this section, item #26 was after item #2
- **Category 5, Volume 2 SOW Technical Response – Table 5.2.5.1 c – pages 39-166**
  - Row 1, Deleted InSBEP from Feature Name, Feature Description, and Bidder’s Product Description.
  - Rows 2-26, Revised Feature Name, Feature Description, and Bidder’s Product Description for unbundled services.
  - Updated Bidder’s Product Identifier, rows 1-26.
  - Rows 27-424, Added new rows for additional bandwidth options for unbundled services.
  - Renumbered new items added, there were 2 rows of each item #212 and #284
  - Item #23, updated Product ID to Match Catalog A from NSX02636 to NSX0263

- Item #227, PI NSX0651 - revised Bidders Product Description to 7 Mbps from 8 Mbps
- **Category 5, Volume 2 SOW Technical Response – Table 5.2.5.2.a – pages 168-179**
  - Updated Bidder's Product Identifier, all rows.
  - Item #8, revised Product ID to match Catalog A from NSX0139 to NSX0039
  - Item #48, revised product ID to match Catalog A from NSX0118 to NSX0018
- **Category 5, Volume 2 SOW Technical Response – Table 5.2.5.2.b – pages 179-184**
  - Updated Bidder's Product Identifier, all rows.
- **Category 5, Volume 2 SOW Technical Response – Table 5.2.5.3.a – pages 186-198**
  - Updated Bidder's Product Identifier, all rows.
- **Category 5, Volume 2 SOW Technical Response – Table 5.2.5.3.b – pages 198-204**
  - Updated Bidder's Product Identifier, all rows.
- **Category 5, Volume 2 SOW Technical Response – Table 5.2.7.a – pages 220-228**
  - Updated Bidder's Product Identifier, all rows.
  - Rows 1-9, Revised Bidder's Product Description to indicate no SLAs.
  - Row 1, Revised Bidder's Product Description to add "with Public and Private WiFi" to the first sentence.
  - Rows 13–18, Revised Feature Name, Feature Description, and Bidder's Product Description to replace Threat Management Service with Comcast Business DDoS Mitigation Service.
  - Rows 19-24, Deleted Multi Incident Threat Management options because product was discontinued.
  - Rows 25-30 – Revised Feature Name, Feature Description, and Bidder's Product Description. Updated row numbers due to deletion of content in rows 19-24.
  - New row 25 – Added new row for Unlimited Automatic Mitigation option.
- **Category 5, Volume 2 SOW Technical Response – Table 5.4.2.a – pages 232-236**
  - Updated Bidder's Product Identifier, all rows.
- **Category 5, Volume 2 SOW Technical Response – Table 5.4.3 – page 237**
  - Updated Bidder's Product Identifier, all rows.
- **Category 5, Volume 2 SOW Technical Response – Table 5.5.8.1 – page 245**
  - Added Managed Router Service and Comcast Business DDoS Mitigation Service
  - Added Comcast Business DDoS Mitigation Service SLA objective.
- **Category 5, Volume 2 SOW Technical Response – Table 5.5.8.2 – page 247**
  - Added Managed Router Service and Comcast Business DDoS Mitigation Service
  - Added Managed Router Service and Comcast Business DDoS Mitigation Service SLA objectives.
- **Category 5, Volume 2 SOW Technical Response – Table 5.5.8.3 – page 248**
  - Added Managed Router Service and Comcast Business DDoS Mitigation Service

- Added Managed Router Service and Comcast Business DDoS Mitigation Service SLA objectives.
- **Category 5, Volume 2 SOW Technical Response – Table 5.5.8.4 – page 249**
  - Added Managed Router Service and Comcast Business DDoS Mitigation Service
  - Added Managed Router Service and Comcast Business DDoS Mitigation Service SLA objectives.
- **Category 5, Volume 2 SOW Technical Response – Table 5.5.8.5 – page 250**
  - Added Managed Router Service and Comcast Business DDoS Mitigation Service
  - Added Managed Router Service and Comcast Business DDoS Mitigation Service SLA objectives.
- **Category 5, Volume 2 SOW Technical Response – Table 5.5.8.6 – page 251**
  - Added Managed Router Service
- **Category 5, Volume 2 SOW Technical Response – Table 5.5.8.8 – pages 253-254**
  - Added Managed Router Service and Comcast Business DDoS Mitigation Service to the Measurement Process Committed Interval table.
  - Added Managed Router Service and Comcast Business DDoS Mitigation Service SLA objectives.
- **Category 5, Volume 2 SOW Technical Response – Table 5.5.8.9 – page 255**
  - Added Managed Router Service and Comcast Business DDoS Mitigation Service
  - Added Managed Router Service and Comcast Business DDoS Mitigation Service SLA objectives.
- **Category 5, Volume 2 SOW Technical Response – Table 5.5.8.12.1 – pages 256-257**
  - Added new table for Business DDoS Time to Initiate Mitigation SLA.

Category 5, Metropolitan Area Network Service, Volume 3, Cost Information, Catalog A, has been modified to include the following:

- Cover Page, updated to add Amendment Number, Contractor's contact award number, and Revised Date of July 216, 2017. Struck original date of 05/06/2016.
- Pages 1-128, header updated with Contractor name and Contractor contract number. Footer updated with Amendment Number and Revised Date of 07/21/17.
- Pages 3-6, Table 5.2.4.1, all rows. Updated Contractor's Product Identifier.
- Pages 8-12, Table 5.2.4.2, all rows. Updated Contractor's Product Identifier.
- Pages 11-12, Table 5.2.4.2, Rows 26-32, Updated Feature Name and Feature Description.
- Page 15, Table 5.2.5.1, Row 14, Deleted InSBEP from Feature Name and Feature Description. Revised Contractor's Product Identifier.
- Pages 15-19, Table 5.2.5.1, Rows 15-39, Revised Feature Name, Contractor's Product Identifier, and Feature Description.

- Pages 15-19, Table 5.2.5.1, Rows 16-39, Revised Monthly Recurring Charge/item per item.
- Pages 17-19, Table 5.2.5.1, Rows 27-39, Revised Non-Recurring Charge per item.
- Pages 19-90, Table 5.2.5.1, Rows 40-439, Added new rows for additional bandwidth options.
- Page 15, Table 5.2.5.1, Item #16, Revised 5 Mbps Ethernet Transport Bundle with InSBEP to 4 Mbps to match the Technical Response
- Pages 92-99, Table 5.2.5.2.a, all rows. Updated Contractor's Product Identifier.
- Pages 101-104, Table 5.2.5.2.b, all rows. Updated Contractor's Product Identifier.
- Pages 106-113, Table 5.2.5.3.a, all rows, Updated Contractor's Product Identifier.
- Pages 115-118, Table 5.2.5.3.b, all rows, Updated Contractor's Product Identifier.
  - Added "None" to items 8 and 16 Feature Restrictions, Pages 115-116
- Page 119, Table 5.2.7.a, Revised Contractor's Summary definition of service.
- Page 120, Table 5.2.7.a, Added row prior to row 1 with description of Business Class Internet.
- Page 120, Table 5.2.7.a, Row 1, Revised Feature Description to add "with Public and Private WiFi" to the first sentence.
- Pages 120-121, Table 5.2.7.a, Rows 1-9, Revised Feature Description.
- Pages 120-124, Table 5.2.7.a, all rows, updated Contractors' Product Identifier.
- Page 121, Table 5.2.7.a, Added row prior to row 10 with definition of Static IP Addresses.
- Page 122, Table 5.2.7.a, Added row prior to row 13 with definition of Comcast Business DDoS Mitigation Service.
- Pages 122-123, Table 5.2.7.a, Rows 13-18, Revised Feature Name and Feature Description.
- Page 123, Table 5.2.7.a, Rows 19-24. Deleted Multi Incident Threat Management options.
- Pages 123-124, Table 5.2.7.a, Rows 25-30 – renumbered to items 19-24 due to deletion of Multi Incident Threat management rows. Revised Feature Name and Feature Description for Unlimited Threat Management Options.
- Page 124, Table 5.2.7.a, new row 25, Added Unlimited Automatic Mitigation option.
- Pages 125-127, Table 5.4.2, all rows. Updated Contractor's Product Identifier.
- Page 128, Table 5.4.3, all rows. Updated Contractor's Product Identifier.