

# Exhibit MS-5

Collocation Application

**COLLOCATION APPLICATION FORM  
 NEW / CHANGE / AUGMENT - Version 20**



**Qwest Collocation Web Site Addresses:**

**Application Forms:** <http://www.qwest.com/wholesale/pcat/collocation.html#apform>  
 Go to this site for a complete listing of Collocation Applications.

**Collo Classifieds:** <http://www.qwest.com/wholesale/pcat/colloclassifieds.html>  
*Listing of vacated CLEC (Competitive Local Exchange Carrier) sites (space and cabling) that may be available to CLECs wishing to establish a new presence in a Central Office. A CLEC wishing to apply for a site and facilities posted in the Collo Classifieds should incorporate the Available Inventory found on the web site into this application, along with any requested changes.*

**Mailing Address:** [RFSMET@Qwest.com](mailto:RFSMET@Qwest.com) and [Colo@Qwest.com](mailto:Colo@Qwest.com) (addresses to submit applications)

**Product Information:** <http://www.qwest.com/wholesale/pcat/collocation.html#order>  
 Go to this site if you do not see the product you are interested in, e.g. Adjacent Collocation, Facility Connected Collocation, Transfer of Responsibility, Decommission/Cancellation, Remote Collocation, etc.

**New CLEC Information:** <http://www.qwest.com/wholesale/clecs/newcustquestionnaire.html>  
*To do business with Qwest as a CLEC or Reseller, a New Customer Questionnaire must be completed by you or a representative from your organization. Your Qwest Service Manager will assist you with this process.*

The previous version of this application will only be accepted for thirty (30) calendar days after the new version is posted to the web site. To access current forms, refer to the application forms web site address listed above.

**I. GENERAL ORDERING INFORMATION (enter all applicable information)**

**A. CLEC IDENTIFICATION**

1. CLEC Name	<input style="width: 250px; height: 15px;" type="text"/>
2. CLEC ACNA Code	<input style="width: 50px; height: 15px;" type="text"/>
3. CLEC ZCID Code	<input style="width: 50px; height: 15px;" type="text"/>
4. CLEC Contacts	
a. Primary Contact Name	<input style="width: 250px; height: 15px;" type="text"/>
b. Address	
1). Street	<input style="width: 250px; height: 15px;" type="text"/>
2). City	<input style="width: 250px; height: 15px;" type="text"/>
3). State/Zip Code	<input style="width: 250px; height: 15px;" type="text"/>
c. Toll Free Tele Number	<input style="width: 250px; height: 15px;" type="text"/>
d. Facsimile Number	<input style="width: 250px; height: 15px;" type="text"/>
e. Title	<input style="width: 250px; height: 15px;" type="text"/>
f. e-mail address	<input style="width: 250px; height: 15px;" type="text"/>
g. Back-Up Contact Name	<input style="width: 250px; height: 15px;" type="text"/>
h. Toll Free Tele Number	<input style="width: 250px; height: 15px;" type="text"/>

**CLEC Project Manager**

<input style="width: 150px; height: 15px;" type="text"/>

**5. Billing Information**

	<b>Recurring Billing</b>
a. Billing Name	<input style="width: 250px; height: 15px;" type="text"/>
b. Billing Name ACNA	<input style="width: 50px; height: 15px;" type="text"/>
c. Address	
1). Street	<input style="width: 250px; height: 15px;" type="text"/>
2). City	<input style="width: 250px; height: 15px;" type="text"/>
3). State/Zip Code	<input style="width: 250px; height: 15px;" type="text"/>
d. Toll Free Tele Number	<input style="width: 250px; height: 15px;" type="text"/>
e. Facsimile Number	<input style="width: 250px; height: 15px;" type="text"/>
f. Title	<input style="width: 250px; height: 15px;" type="text"/>
g. e-mail address(es)	<input style="width: 250px; height: 15px;" type="text"/>

**Non Recurring Billing  
 (if different than Recurring)**

<input style="width: 150px; height: 15px;" type="text"/>

**B. DATE APPLICATION SENT TO QWEST**

**C. 48 HOUR CALL (check if CLEC requests a call with Qwest within 48 hours of receipt of this application)**

**Note:** A 48 Hour Call is required for all Virtual and Collo Classifieds requests.

D. CUSTOMER INTERCONNECTION CONTRACT NUMBER

E. TARIFF/CONTRACT ORDERING INFORMATION (check the one applicable to this order)

- Interstate Tariff
- State Tariff
- Interconnection Contract
- Early Ordering

F. APPROVED INTERCONNECTION BUILD INTERVAL  
 Will be determined from your Interconnect Agreement.

G. Qwest WHOLESALE COLLOCATION SERVICE MANAGER

1. Name
2. Telephone Number
3. e-mail address

H. CENTRAL OFFICE LOCATION

<input type="text"/>	Central Office Name
<input type="text"/>	Street Address
<input type="text"/>	City
<input type="text"/>	State
<input type="text"/>	8 Character Central Office CLLI.
<input type="text"/>	Existing 11 Character CLEC CLLI Code (if applicable)
<input type="text"/>	Job ID (BAN #) from latest completed or pending job
<input type="text"/>	Associated Job ID(s) (if applicable)
<input type="text"/>	
<input type="text"/>	

I. COLLO CLASSIFIED ID  11 Character Collo Classified ID (if requesting a vacated site)

J. TYPE OF ORDER (check one)

- New (without a Collo Classified request)
- New (with a Collo Classified request)
- Change (Prior to 50% down is paid. After that, an augment must be submitted)
- Augment

1. Each application must be filled out completely, i.e. a submission requesting a Change to an original application should be filled out as though the Change were embedded in the original submission.
2. Change requests require the following information:
  - a. Section and subsection(s) that are changed from your last submission, e.g. II.E.2.d).1).ii.

<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

b. Description of the changes being requested:

<input type="text"/>

K. EXISTING COLLOCATION ARRANGEMENT (check one if applicable)

- Caged Physical
- Cageless Contiguous Physical
- Cageless Non-Contiguous Physical (also specify the space in Section II.E.2.f.)
- Virtual
- ICDF Collocation
- Shared Caged Physical

L. SECURITY ACCESS REQUIREMENTS (enter quantity)  
 Number of Personnel Requiring Access to Central Office

(Not applicable with an Augment nor Virtual request)

**M. JOINT TESTING OPTION (check if applicable)**

1. New or Augment requests for the Joint Testing of newly placed facilities or Available Inventory facilities should be applied for using this application, requests to jointly test previously installed facilities are to be made using a special application entitled *Joint Testing*, accessible at the web site noted at the beginning of this application form.
2. Would you like Joint Testing to the ICDF with Qwest of facilities placed with this request after your equipment has been installed? (Yes/No)
- If **Yes** is checked above please complete the following sections.
3. Describe the type of Joint Testing you would like to conduct with Qwest.


4. Joint Testing contact information (input all applicable)

a. Primary Contact (required)

- 1). Name
- 2). Telephone Number
- 3). e-mail address

b. Secondary Contact (if applicable)

- 1). Name
- 2). Telephone Number
- 3). e-mail address

c. Indicate the best time to reach the contact(s) listed above.

5. If **Yes** checked above enter quantity(s) by circuit type(s) to be jointly tested:

<u>Circuit Type</u>	
DS0	<input type="text"/>
DS0 (Line Sharing)	<input type="text"/>
DS1	<input type="text"/>
DS3	<input type="text"/>
Fiber	<input type="text"/>

**N. ICB (Individual Case Basis) PROCESS**

Several products and services listed as ICB can be ordered using this application. The handling of those components will follow the ICB process. Please fill in the specific details of your ICB request in Section VI (NOTES).

**Note:** If a single ICB item is included in this application the entire job will be handled as ICB, i.e. regular ICA (Inter Connection Agreement) intervals will not apply.

**II. COLLOCATION ARRANGEMENT, SPACE DETAIL, AND TECHNICAL EQUIPMENT**

**A. CHOICES SUBMITTED**

- 1st Choice (this tab)
- 2nd Choice (to be filled out if the **SECOND CHOICE** tab is filled out)
- 3rd Choice (also fill out separate tab labeled **THIRD CHOICE**, if applicable)

**Note 1:** This application permits a CLEC to request a second and third choice of Collocation Arrangement/Space/Equipment. Qwest will study the feasibility of the 2nd or 3rd choices in the event that the 1st or 2nd (respectively) choices are not feasible. Check the number of choice requests being submitted with this application and fill in the appropriate detail found in the associated tabs of this application for each choice selected.

**Note 2:** 2nd or 3rd choice options will not be considered unless the 2nd and 3rd choice tabs of this application are filled out. If no 2nd or 3rd option is requested, a new application will need to be filled out if the original option was not available.

**Note 3:** CLECs requesting a site from the Collo Classified, and who wish to be considered for an alternate site if the Collo Classified site is unavailable, must complete a 2nd and/or 3rd Choice tab as part of this submission.

**Note 4:** If a requested Collo Classified site is not available, and the CLEC did not specify a 2nd or 3rd choice, the request will be cancelled.

**B. REQUESTED COLLOCATION ARRANGEMENT**

1. Arrangement Type (check one if applicable):

- Caged Physical (also Complete Section II E and F)
- Cageless Contiguous Physical (also Complete Section II E and F)
- Virtual (also Complete Section II C and F)
- ICDF Collocation
- Shared Caged Physical (also Complete Section II D)

Virtual to Cageless Conversion  (also Complete Section IV D)

2. If Cageless Contiguous Physical is checked above and Cageless Contiguous Physical is not available will you accept non-contiguous cageless space? (Yes/No)

**C. VIRTUAL COLLOCATION EQUIPMENT/SPACE/TERMINATIONS REQUIREMENTS**

1. Please select the type of equipment configuration to be provided by the CLEC (check all applicable)

Equipment Bay(s) with equipment  
 Equipment Bay(s) pre-provisioned (equipment and cards) and delivered to the Central Office  
 Equipment only

**Note:** Also complete Section II.F.

2. Bay requirements (fill in all applicable)

a.) Number of Bays (fill in quantity) Desired  Minimum

b.) Bay Footprint dimensions (input dimensions in inches) Width  Depth

c.) If Bay Spacers are to be used (input their dimensions in inches)

3. Enter fiber connector type at the CLEC site, e.g. FC, PC, ST, D4, etc. (if applicable)

4. Notes Section

**Note 1:** A drawing(s) must accompany this application showing:

- A floor plan documenting space layout or footprint of collocation equipment must be attached to this application, to include front equipment diagram with frame and shelf detail.
- Diagram of equipment showing input and output for all virtual transport equipment, e.g. optical input, electrical output, wiring diagram, etc.
- Relay rack, panel, and jack/port location detail of existing equipment and terminations impacted by the changes/augments requested with this application, if applicable.

**Note 2:** Qwest provides cabling/wiring to interconnect the CLEC's Virtual equipment to the network; CLECs must provide all cabling/wiring needed to interconnect their Virtual equipment.

**D. SHARED CAGED PHYSICAL COLLOCATION DETAIL**

1. Originating CLEC Information (fill in both cells)

- Name
- 11 Character CLEC CLLI Code (if applicable)

2. Secondary CLEC Information (fill in all cells)

- Name
- 11 Character CLEC CLLI Code (if applicable)
- Percentage (%) of space allocated
- Secondary CLECs Letter of Authorization must be on record with Qwest.

3. Type of Shared Caged Arrangement (check one)

Joint   
 Sublease

**E. CAGED, CAGELESS, AND NEW COLLO CLASSIFIED SPACE REQUEST**

1. Caged Physical Collocation Requirement

a. Does the CLEC wish to provide and install the physical cage enclosure? (Yes/No) Desired  Minimum

b. New Caged detail (enter square footage requested)

c. Augment Caged detail

- Does the CLEC wish to change the square footage of their existing Caged site? (Yes/No)
- If Yes was entered above enter square footage details:
 

	Existing	Desired	Minimum
a). Increase (enter as a positive number)	<input type="text"/>	<input type="text"/>	<input type="text"/>
b). Decrease (enter as a negative number)	<input type="text"/>	<input type="text"/>	<input type="text"/>

2. Cageless Physical Collocation Requirements

- New Cageless detail
  - Number of bays requested (fill in quantity) Desired  Minimum
  - Bay footprint dimensions (enter dimensions in inches) Width  Depth
  - If bay spacers are to be used (enter dimensions in inches)
- Augment Cageless Detail
  - Does the CLEC wish to change the number of bays in their existing Cageless site? (Yes/No)
  - If Yes was entered above, enter the following details:
    - Existing number of bays (enter quantity)

<p>b). Increase</p> <p>i. Number of bay(s)</p> <p>ii. Footprint dimensions of additional bay(s) (enter inches)</p> <p>iii. Dimensions of bay spacers if being added (enter inches)</p> <p>c). Decrease</p> <p>i. Number of bay(s) (enter quantity as a negative number)</p> <p>ii. Footprint dimensions of reduced bay(s) (enter inches)</p> <p>iii. Dimensions of bay spacers being removed (enter inches)</p> <p>3). Net number of Cageless bays (Existing plus Increase less Decrease)</p>	<p>Additional</p> <input type="text"/> Width <input type="text"/> <input type="text"/> Reduced <input type="text"/> <input type="text"/> Requested <input type="text"/>	<p>Minimum</p> <input type="text"/> Depth <input type="text"/> <input type="text"/> Minimum <input type="text"/> <input type="text"/> Minimum <input type="text"/>
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3. Collo Classified Requirements

**Note :** An application including a Collo Classified Special Site Caged or Cageless space can include an increase in the number of bays and/or square footage but not a Decrease.

a. Does the CLEC request a site from the Collo Classifieds? (Yes/No)

Standard Cage	Standard Cageless	Special Caged	Special Cageless
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

b. If **Yes** entered above, check the type of Classified site being requested?

c. If **Yes** was entered above, answer the following questions.

1). Caged Classified Request

a). Collo Classified Caged square footage (enter footage from the Classifieds)

b). Does the CLEC wish to change the square footage of the Classified Caged site? (Yes/No)

c). If **Yes** was entered above enter the following details:

i. Increase (enter additional square footage requested as a positive number)

ii. Decrease (enter reduced square footage requested as a negative number)

d). Net square footage (Classified plus Increase less Decrease)

2). Cageless Classified Request

a). Number of Collo Classified bays (enter quantity form the Classifieds)

b). Bay footprint dimensions (enter dimensions in inches from the Classifieds, if available)

Width	Depth
<input type="text"/>	<input type="text"/>

c). Does the CLEC wish to change the size of the Classified Cageless site? (Yes/No)

d). If **Yes** was entered above, enter Increase or Decrease details:

i. Increase

ii. Number of additional bays requested (enter quantity of additional bays as a positive number)

Additional	Depth
<input type="text"/>	<input type="text"/>
Width	<input type="text"/>
<input type="text"/>	<input type="text"/>

iii. Footprint dimensions of additional bay(s) (enter inches)

iii). Dimensions of bay spacers if requested (enter inches)

Reduced	Width
<input type="text"/>	<input type="text"/>

ii. Decrease

Number of Classified bays to reduce (enter quantity of reduced bays as a negative number)

iii. Net number of Cageless bays (Classified plus Increase less Decrease)

4. Non-Contiguous Cageless Space detail (complete if applicable)

a. Is the CLEC requesting an augment change to an existing non-contiguous cageless site? (Yes/No)

b. If **Yes** was checked above, enter the assigned cageless bay number(s) where the augment work is to take place and description of the related work in addition to the space detail information above:

Bay Number(s)	Description of Augment Work
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

5. Notes Section

**Note 1:** Qwest line-up standard bays are 7 feet high, 26 inches wide and 12 or 15 inches deep. Requests for the placement of bays or equipment that exceed the existing relay rack footprint of a CLEC's site may result in the placement of the bay or equipment in line-ups that may be non-contiguous to the rest of the site.

**Note 2:** Qwest does not honor requests by CLECs to customize Collocation space including, but not limited

to, placing power outlets at specific locations within the Collocation space and providing Collocation space in specific locations.

- Note 3:** Bay extenders may not be applicable in earthquake areas.
- Note 4:** Enter reduced amounts as negative numbers, e.g. -10.
- Note 5:** You must provide the Minimum acceptable square footage if you want Qwest to look for square footage less than the stated desired amount.
- Note 6:** Spacer, QWEST has standardized on two widths for spacers placed between bays, 2-1/2 (2.5) inches or 5 inches. No other spacer width shall be accepted for use within QWEST Central Offices or facilities unless specifically stated in QWEST Standard Configuration documents or evaluated by the QWEST Representative responsible for Common Systems standards

**F. CLEC EQUIPMENT SPECIFICATIONS**

1. All equipment must be necessary for access to UNEs, Ancillary Services, and/or Finished Services.
2. Heat Load detail:

- a. Average watts per bay(s) (input watts)
- Note:** If any given bay exceeds 1200 watts, request to be handled as ICB.
- b. Total heat load for initial deployment (input total watts)
- c. Total heat load for overall anticipated deployment (input total watts)

3. Weight detail:

- a. Average weight of bay(s) (input pounds)
- b. Total weight for initial deployment (input pounds)
- c. Total weight for overall anticipated deployment (input pounds)

**Note:** Equipment Frames, which conform to a specific standard floor configuration, should not exceed an optimal limit of 115 pounds per square foot for standard floor plans. This information can be found in Technical Publication 77351.

4. Equipment detail:

Equipment Description		Functionality (see below)	Dimensions (input inches)	Quantity
Manufacturer Name	Model #		W x H x D	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

- Note 1:** Collocation equipment must meet NEBS 1 standards and other safety standards as applies to Qwest. Refer to Technical Publication 77351 for additional information.
- Note 2:** Functionality Examples: cross connect, DLC, router, ATM multiplexing, DSLAM, power, transmission, switch, etc.
- Note 3:** Always allowed are DSLAM, ATMs, RSUs, routers and concentrators, testing, and network management equipment. Qwest may require a written inventory of all switching equipment and a description of how it will be used for interconnection and/or access to Unbundled Network Elements.

**III. PRODUCTS, CIRCUIT DETAIL, CLEC CABLES, SYNC, AND POWER**

**A. PRODUCT/SERVICES REQUESTED (check one or more)**

<input type="checkbox"/>	Unbundled Network Elements (UNEs)	Complete Section III B
<input type="checkbox"/>	ICDF Collocation	Complete Section III B
<input type="checkbox"/>	Administrative Line (Copper DMARC)	Complete Section III B and reference III D
<input type="checkbox"/>	Synchronization	Complete Section III E
<input type="checkbox"/>	Power	Complete Section III F
<input type="checkbox"/>	Splitter Collocation	Complete Section III B and IV A
<input type="checkbox"/>	Finished Services	Complete Section III B and IV B
<input type="checkbox"/>	Direct CLEC to CLEC Connection	Complete Section IV C
<input type="checkbox"/>	Virtual to Cageless Conversion	Complete Section IV D
<input type="checkbox"/>	Fiber Entrance Facilities	Complete Section V
<input type="checkbox"/>	Leased Private Line	Complete Section V
<input type="checkbox"/>	Other Entrance Facilities	Complete Section V
<input type="checkbox"/>	Other	Complete Section VI and applicable other Sections

**B. CIRCUIT/ICDF COLLOCATION LEG QUANTITY (enter desired quantities)**

		UNEs (See Note 6)	Common Area Splitter (See Note 4)	In-Site Splitter (See Note 5)	Common Area Splitter Collocation (Converted DS0 UNEs - Notes 4 & 6)	In-Site Splitter Collocation (Converted DS0 UNEs - Notes 5 & 6)	Finished Services - Leased Private Lines	Administrative Facilities (See Note 14)	ICDF Collocation (See Note 7)	Total Requested Circuits	Total Required Circuit Legs/Fiber Strands	Minimum Increments
1. Existing/Available Inventory	POTS									0	0	1
	POTS (Splitter)									0	0	100
	DS0									0	0	Note 3
	DS1									0	0	1
	DS3									0	0	1
	Fiber (See Note 10)									0	0	6
2. New/Augment/Reduction	POTS									0	0	1
	POTS (Splitter)									0	0	100
	DS0									0	0	Note 3
	DS1									0	0	1
	DS3									0	0	1
	Fiber (See Note 10)									0	0	6
3. Net Circuit and Leg Counts	POTS						0			0	0	
	POTS (Splitter)		0	0						0	0	
	DS0	0							0	0	0	
	DS1	0					0		0	0	0	
	DS3	0					0		0	0	0	
	Fiber	0							0	0	0	

4. Notes Section  
 General

- Note 1:** Enter reduced quantities as negative numbers, e.g. -100.
- Note 2:** Enter quantities from the Collo Classified (if applicable) into the Existing sub-section, enter requested additional, converted (Standard Site only), or reduced quantities (Standard Site only) in the New/Augment/Reduction sub-section.
- Note 3:** The preferred minimum increment of Non-ICDF Collocation DS0s is 100, however CLEC can order less.

Splitter Collocation (AKA Line Sharing)

- Note 4:** Common Area Splitters require only one POTS pair per circuit (*Data Only* to the CLEC site from the splitter), e.g. 100 entered above will be followed up with the provisioning of 100 pairs.
- Note 5:** In-Site Splitters require two separate POTS pairs per circuit (*Voice and Data* and *Voice Only*), e.g. 100 entered above will be followed up with the provisioning of 200 pairs (two for one).
- Note 6:** Existing DS0 UNEs to be converted to Splitter Collocation POTS should be entered as positive numbers. The Net sub-section will reduce the number of DS0s by an appropriate quantity (e.g. it takes two converted DS0s to equal a single In-Site circuit) and increase the Splitter POTS quantity by the corresponding amount.

ICDF Collocation

- Note 7:** Each ICDF Collocation circuit requires two legs to be subsequently jumpered together in order to create a single circuit, e.g. a DS1 quantity of 1 entered above would be pre-provisioned with 2 dedicated Qwest tie cables. A quantity of 2 would also appear on the APOT.
- Note 8:** ICDF Collocation is a stand alone arrangement providing network terminations in a Central Office. It is used for, but not pre-provisioned with, other types of services, e.g. Finished Services.
- Note 9:** Qwest will endeavor to pre-provision all ICDF Collocation terminations on a frame sharing a contiguous wiring trough (enables the CLEC to run their own jumpers between the terminations).

Fiber

- Note 10:** Each fiber circuit is made up of two strands of fiber, e.g. a quantity of 36 (circuits) entered above will be followed up with the provisioning of 72 strands of fiber.
- Note 11:** Fiber is extended from a CLEC site to Qwest Fiber Distribution Panel (FDP) to be used in the design of related products. Fiber extending from the CLEC site to an FDP that is to be used as part of a Shared Fiber Circuit is not entered above but captured in the Fiber Entrance Facilities section of this application.
- Note 12:** All fiber is installed with the CLEC end stubbed (requires subsequent connectorization) except for fiber placed as part of Virtual Collocation.
- Note 13:** If multiple runs of Fiber are required each run must be made up with at least the minimum sized cable (12 strands).

Administrative Facilities

- Note 14:** Physical sites come provisioned with a Network Interface that can accommodate up to six Administrative Lines. Only enter desired quantities that exceed the 6, e.g. a quantity of 2 entered above would be followed up with the provisioning of Network Interface device(s) that will accommodate 8 Administrative Lines.

**C. CABLE AND ICDF PROVISIONING (Caged and Cageless Collocation only)**

**1. Cable Provisioning**

**a. CLEC Provided Cable for Installation by Qwest:**

- 1). Does the CLEC wish to provide their own cable to the ICDF for installation by Qwest? (Yes/No)

**Note 1:** Non-standard, e.g. shielded 25 pair, cable must be provided by the CLEC and addressed as ICB.

**Note 2:** Fiber cable will be Optical Network Riser (OFNR) rated.

**Note 3:** Includes cabling from a CLEC site to an ICDF to be used with Splitter Collocation.

**Note 4:** If **Yes** is checked, the answer to the question posed in III.C.1.b.1). below must be **No**.

- 2). If **Yes** is checked above, please check the category(ies) of cabling to be provided by the CLEC.

DS0	<input type="checkbox"/>
DS1	<input type="checkbox"/>
DS3	<input type="checkbox"/>
Fiber	<input type="checkbox"/>

**b. CLEC Provided and Installed Cabling:**

- 1). Does the CLEC wish to provide, install, and terminate on the ICDF(s) the associated CLEC cabling between their site and the ICDF? (Yes/No)

**Note 1:** Qwest will provide the cable route to be used by the CLEC.

**Note 2:** If **Yes** is checked, the answer to the question posed in III.C.1.a.1). above must be **No**.

- 2). If **Yes** is checked above, please check the category(ies) of cabling to be provided, installed, and terminated by the CLEC on the ICDF.

DS0	<input type="checkbox"/>
DS1	<input type="checkbox"/>
DS3	<input type="checkbox"/>
Fiber	<input type="checkbox"/>

**2. ICDF Provisioning**

**a. CLEC Provided ICDF Hardware:**

- 1). Does the CLEC wish to provide the ICDF hardware associated with this job for installation by Qwest? (Yes/No)

**Note:** If **Yes** is checked, the answer to the question posed in III.C.2.b.1). below must be **No**.

- 2). If **Yes** is checked above, please check the class(es) of ICDF to be provided by the CLEC.

DS0	<input type="checkbox"/>
DS1	<input type="checkbox"/>
DS3	<input type="checkbox"/>
Fiber	<input type="checkbox"/>

**b. CLEC Provided ICDF Hardware and Cable Termination:**

- 1). Does the CLEC wish to provide and install the ICDF hardware associated with this job along with terminating their cabling on the ICDF hardware? (Yes/No)

**Note:** If **Yes** is checked, the answer to the question posed in III.C.2.a.1). above must be **No**.

- 2). If **Yes** is checked above, please check the type of ICDF to be provided, installed, and terminated by the CLEC.

DS0	<input type="checkbox"/>
DS1	<input type="checkbox"/>
DS3	<input type="checkbox"/>
Fiber	<input type="checkbox"/>

**Note 1:** Qwest will inform the CLEC of the hardware to be provided and cable routes if applicable.

**Note 2:** All ICDF hardware becomes the property of Qwest and will not be returned to the CLEC at the time of decommissioning.

**D. ADMINISTRATIVE FACILITIES**

Protected Network Interface(s) equipped with modular terminations for 6 POTS (Plain Old Telephone Service) lines will be pre-provisioned as part of the initial build-out of a CLEC site. Administrative Facilities lines, e.g. 1FB, are ordered by submitting an LSR provisioning request(s).

**E. SYNCHRONIZATION REQUIREMENTS**

1. Does the CLEC require Qwest to provide synchronization? (Yes/No)

2. If the response above is **Yes**, please indicate the type of signal requested (check one)

<input type="checkbox"/>	T1 (DS1) Capacity (TOTA)
<input type="checkbox"/>	Composite Clock (TOCA)

3. If the response above is **Yes**, please fill in the number of leads required, e.g. 1 or 2.

## F. POWER REQUIREMENTS

### 1. AC Power Requirements

- a. Qwest provides a 120v AC circuit with 3 convenience outlets at each caged site, per local building code with Non-Essential power (not backed up by an Engine-Alternator).
- b. Standard design parameters call for the placement of a shared AC outlet with Non-Essential power at every third bay in a Qwest line-up, including those containing CLEC bays/equipment.
- c. Requests for additional, or rearrangement of, Essential AC Power (interruptible) leads are handled as ICB. Please describe your needs in the Notes section below.
- d. Uninterruptible AC Power can be generated by a CLEC with a CLEC provided inverter (Qwest does not supply Inverters for CLEC use) located within the CLEC's site that is powered by their DC Power Feed(s). Requests for Uninterruptible AC Power supplied by Qwest are handled through the BFR (Bonafide Request) process.

### 2. DC Power Requirements

#### a. General Information/Definitions:

- 1). Configuration: -48V DC Battery and Battery Returns.
- 2). DC Power Feed (Feed/Feeder):
  - a). A DC Power Feed is made up of two Leads (A and B); each Lead is composed of 2 sets of cables (4 total) and a corresponding set of Returns.
  - b). The minimum number of DC Power Feeds a CLEC can have in a site is one (A and B Leads), providing a minimum of 20 amps.
  - c). Each set of power cables will be tagged (e.g. 145C tag) with the far end power source location, e.g. BDFB or PDB relay rack number(s), and fused/breaker positions. It is the responsibility of the CLEC to maintain a record of the far end power source locations for all power cabling terminating in their site.
  - d). When placing an order impacting existing DC Power Feed(s), the CLEC must identify the specific Leads by power source location, using the identifying information on the tags (relay rack and fuse positions).
  - e). Qwest will fuse/breaker at an appropriate level above the requested amount.
  - f). Breaker/fuse size to be determined solely by Qwest.

#### 3). Definitions:

- a). **NEW**: request to establish power Feed(s) as part of a new build.
- b). **Augment**: change to or addition of feed(s) to an existing site, see below for various types.
  - i. **Power Reduction**
    - i). **REDUCTION WITHOUT RESERVATION**: reduces the amps of an existing Primary and/or Secondary Feed(s).  
**Note 1**: The reduced feed(s) must remain powered with a minimum of 20 amps.  
**Note 2**: Qwest will determine whether the cabling making up the existing feed(s) can be reused to meet your request or if new cabling will be required.
    - ii). **REDUCTION WITH RESERVATION**: reduces the amps of an existing Secondary Feed(s) to zero, reserves the fuse positions of the Feed(s) at the power source, and cabling to the power source is left in place for potential Restoration.
  - ii. **Power Restoration**
    - i). **RESTORATION WITHOUT RESERVATION**: restores a Primary or Secondary Feed(s) previously reduced as part of a Reduction Without Reservation request back to their original or less amps value(s).  
**Note 1**: Restoration of a previously reduced Feed(s) can only be to the same or lesser values of amps (20 amp minimum); a request to increase the amps of a Feed to a greater value constitutes an Increase Amps on an Existing, see below.  
**Note 2**: Restoration of a previously reduced Primary or Secondary Feed is contingent on the availability of spare amps at the power source at the time of the request.  
**Note 3**: Qwest will determine whether the cabling making up the existing feed(s) can be reused to meet your request or if new cabling will be required.
    - ii). **RESTORATION WITH RESERVATION**: restores a Secondary Feed(s) previously Reduced With Reservation.  
**Note 1**: Restoration of a previously Reduced With Reservation Secondary Feed(s) is contingent on the availability of spare amps at the power source at the time the restoration request is made.  
**Note 2**: Qwest will determine whether the cabling making up the existing feed(s) can be reused to meet your request or if new cabling will be required.
  - iii). **ADD SECONDARY FEED(S)**: incremental addition of another Feed(s) to an existing site having at least one Primary Feed.
  - iv). **DEACTIVATION**: elimination of a Secondary Feed(s), at least one Primary Feed

powered with a minimum of 20 amps must remain.

**Note:** Once a Feed is deactivated it cannot be restored, i.e. to establish a like Feed requires the submission of a Add Secondary Feed(s) request, see above.

v. **INCREASE AMPS ON AN EXISTING FEED(S):** adds additional amps to a Feed(s).

**Note 1:** To increase amps on an Existing Feed(s) back up to a level up that was previously reduced, see Restoration above.

**Note 2:** Qwest will determine whether the cabling making up the existing feed(s) can be reused to meet your request or if new cabling will be required.

b. DC Power Ordering Information

1).	<b>NEW</b>	<b>Amps Required per Feed</b>	<b>Amps (enter value(s))</b>	<b>Feed(s) (enter quantity)</b>
		20 amps		<input type="text"/>
		30 amps		<input type="text"/>
		40 amps		<input type="text"/>
		60 amps		<input type="text"/>
		Other	<input type="text"/>	<input type="text"/>

**Note:** If requesting a Special Collo Classified site, enter the existing power feed information from the Classifieds in the Existing Feed(s) section of the ADD SECONDARY FEED(S) section of Augment section below.

2). Augment (enter all applicable data)

a). Power Reduction

i. REDUCTION WITHOUT RESERVATION

Amps			Feeder(s) Power Source(s)	
Existing	Requested	Decrease	Relay Rack(s)	Fuse Positions
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

ii. REDUCTION WITH RESERVATION

i). Secondary Feed(s) to be Reduced to Zero

Current Amps	Feeder(s) Power Source(s)	
	Relay Rack(s)	Fuse Positions
<input type="text"/>	<input type="text"/>	<input type="text"/>

ii). Unaffected Feed(s)

Amps	Feeder(s) Power Source(s)	
	Relay Rack(s)	Fuse Positions
<input type="text"/>	<input type="text"/>	<input type="text"/>

b). Power Restoration

i. RESTORATION WITHOUT RESERVATION

- i). Job ID (BAN #) of Reduction Without Reservation Job
- ii). Feed(s) to be restored

Amps			Feeder(s) Power Source(s)	
Existing	Requested	Increase	Relay Rack(s)	Fuse Positions
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

ii. RESTORATION WITH RESERVATION

- i). Job ID (BAN #) of Reduction With Reservation Job
- ii). Secondary Feed(s) to be restored

Amps	Feeder(s) Power Source(s)	
	Relay Rack(s)	Fuse Positions
<input type="text"/>	<input type="text"/>	<input type="text"/>

c). ADD SECONDARY FEED(S)

Amps Required per Feed	Existing Feed(s)		Additional Requested Feed(s)	
	Amps (enter value(s))	Feed(s) (enter quantity)	Amps (enter value(s))	Feed(s) (enter quantity)
20 amps		<input type="text"/>		<input type="text"/>
30 amps		<input type="text"/>		<input type="text"/>

40 amps				
60 amps				
Other				

**Note:** If requesting a Special Collo Classified site, enter the existing power feed information from the Classifieds in the Existing Feed(s) section. Additional feed(s) to a Special Collo Classifieds may be requested with this application; change(s) to a Special Site Collo Classified power feed(s) cannot be made as part of the request that establishes the Special Site for the assuming CLEC. Changes to Special Site power feeds can be requested with the submission of a subsequent Augment application.

d). **DEACTIVATION**

i. Secondary Feed(s) to be Deactivated (removed)

Feeder(s) Power Source(s)		
Amps	Relay Rack(s)	Fuse Positions

ii. Unaffected Feed(s)

Feeder(s) Power Source(s)		
Amps	Relay Rack(s)	Fuse Positions

e). **INCREASE AMPS ON AN EXISTING FEED(S)**

Amps			Feeder(s) Power Source(s)	
Existing	Requested	Increase	Relay Rack(s)	Fuse Positions

c. Heat Dissipation Forecast (enter all applicable values and quantities)

Amperage (amount(s))	Feed(s) (quantity)	Heat Dissipation Forecast (enter values in watts)				
		Initial	3 Months	6 Months	1 Year	Ultimate

**Note:** If requesting a change to an existing site, enter the incremental change in heat dissipation.

IV. SPECIFIC PRODUCT REQUIREMENTS

A. SPLITTER COLLOCATION

1. Desired location and type of Splitter(s) (check 1st Choice and 2nd Choice (if applicable))

a. Common Area Splitter

	1st Choice	2nd Choice (optional)
1). Central Office Bay (rack mounted)		
2). Central Office Frame (frame mounted)		

b. In-Site Splitter

1). CLEC Site (rack or frame mounted)	
---------------------------------------	--

**Note:** Qwest installs all Common Area Splitters; In-Site Splitters are only installed by the CLEC with the exception of Virtual Collocations.

2. Splitter Equipment Detail (entering second choice detail is optional)

a. Splitter and Card detail

1). Splitter					Type (check one)	
	Choice	Manufacturer	Model #	Quantity	Frame	Rack
	1st					
	2nd					
2). Splitter Cards					Type (check one)	
	Choice	Manufacturer	Model #	Quantity	Frame	Rack
	1st					
	2nd					

b. Does the CLEC wish Qwest to order carded splitter(s) to be installed by Qwest in a Common Area of the Central Office for the CLEC? (Yes/No)

--

**Note:** Qwest does not procure Splitters to be installed In-Site.

c. Does the CLEC wish to maintain their own Common Area Splitter cards (see requirements limitations below)? (Yes/No)

--

**Note:** CLECs opting to maintain their own Common Area Splitter cards shall comply with the following requirements/limitations:

- 1). Restricted to Common Area Splitters (CAS) associated with Central Office based on forms of Physical (Caged and Cageless) Collocation.

- 2). CLECs opting to maintain their own CAS cards must do so for all their splitters in all Qwest Central Offices across the 14 state region.
- 3). Qwest still installs and maintains the CAS shelf and associated cabling/terminations.
- 4). CLEC assumes full responsibility for the replacement, upgrading, installation, testing, and data basing of CAS cards.
- 5). CLECs must affix a label on each of the CAS shelves stating:  
 "CLEC Maintained Splitter. (CLEC name) is responsible for Splitter Card Maintenance."
- 6). In addition to entering Yes above, the CLEC will work with the CPMC to coordinate the changes required to implement the maintenance of their CAS cards.

d. Splitter Synchronization Testing

- 1). Is synchronization testing required? (Yes/No)   
**Note:** An answer of No will be assumed to mean that the response to the following two questions is Not Applicable (N/A); if Yes is filled in, the following two questions must be answered.
- 2). Technology Type (indicate the type of technology being deployed with the splitter)  

Choice	CAP	DMT-G.DMT	DMT-G.Lite	DMT-T1.413
1st	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2nd	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- 3). Rate Limiting (RL) test setting (check one)  

Choice	ON	OFF
1st	<input type="checkbox"/>	<input type="checkbox"/>
2nd	<input type="checkbox"/>	<input type="checkbox"/>

e. Notes Section

- Note 1:** Qwest installs all splitters, cabling, and cards (unless the CLEC opts to maintain their Common Area Splitter cards) located outside of a CLEC site, regardless if the CLEC furnishes the equipment or has Qwest procured it on their behalf.
- Note 2:** Qwest installs all splitters and associated cabling located within Virtual Collocation sites.
- Note 3:** For splitters placed within a Collocation site, the CLEC will need to double the number of pairs terminated on the ICDF to accommodate the Voice Only and Voice and Data circuits.
- Note 4:** The CLEC is responsible for the complete design of their Splitter facilities, e.g. ensuring that their Splitter and DSLAM equipment are compatible, regardless of who provided the Splitter.
- Note 5:** Failure to provide complete and detailed information may result in incorrect equipment being purchased and installed.

3. Cable Information

a. Cable Information

- 1). Does the CLEC wish to use (convert) existing ICDF to CLEC Site DS0 UNE cable to the Collocation site? (Yes/No)
- 2). If Yes entered above, enter cable name(s), pair count(s), and type(s) (from APOT) of the cable to be reclassified, categorized by the intended Use of the cable.

Splitter Location	Name	Count	Type	Use
a). Common Area (see Note 1)	<input type="text"/>	<input type="text"/>	<input type="text"/>	Data Only
	<input type="text"/>	<input type="text"/>	<input type="text"/>	Data Only
	<input type="text"/>	<input type="text"/>	<input type="text"/>	Data Only
	<input type="text"/>	<input type="text"/>	<input type="text"/>	Data Only
	<input type="text"/>	<input type="text"/>	<input type="text"/>	Data Only
	<input type="text"/>	<input type="text"/>	<input type="text"/>	Data Only
b). In-Site (see Note 2)	<input type="text"/>	<input type="text"/>	<input type="text"/>	Voice & Data
	<input type="text"/>	<input type="text"/>	<input type="text"/>	Voice & Data
	<input type="text"/>	<input type="text"/>	<input type="text"/>	Voice & Data
	<input type="text"/>	<input type="text"/>	<input type="text"/>	Voice Only
	<input type="text"/>	<input type="text"/>	<input type="text"/>	Voice Only
	<input type="text"/>	<input type="text"/>	<input type="text"/>	Voice Only

- Note 1:** Common Area Splitters require one CLEC cable pair per circuit to transport the Data Only signal from the Splitter to the CLEC site.
- Note 2:** In-Site Splitters require two CLEC cable pairs per circuit, one to transport a Voice and Data signal to the Splitter and a second to transport the Voice Only signal from the CLEC site.

- b. If Common Area is filled in above Enter splitter circuit cadence, e.g. skip every 25th pair, skip the last 4 of every 100 count, or indicate terminate all 100 pairs on the Qwest network block.

**Note:** All pairs for In-Site installations will be terminated, the CLEC can then spare out the appropriate pairs in their site to created the desired cadence.

4. Common Area Splitters can be ordered with other types of Collocation, e.g. Facility Connected Collocation and Adjacent Collocation. To place an order for Common Area Splitters to be used with those other types of Collocation, use their unique Applications.

**B. FINISHED SERVICES**

1. Signal Level (check one)

- EICT (signal may require regeneration)
- ITP (Signal is not necessarily regenerated by Qwest).

2. Desired Location of DMARC (check one)

- Shared Distributing Frame (ICDF) outside of CLEC Site
- CLEC Site (bay or cageless line-up)

3. If CLEC site DMARC location checked above, complete the following

a. CLEC site DMARC to be placed in (check one)

- Cage
- Cageless Line-Up

b. CLEC Cageless DMARC Location (enter all applicable data if Cageless Line-Up checked above):

1). Existing Cageless site:

- a). Relay Rack Number(s)  DS1  DS3
- b). Panel Number(s)
- c). Jack Termination(s)

2). New Cageless site (location of the DMARC bay and panel, e.g. first bay, second panel)

c. DMARC provisioning

1). Does the CLEC wish Qwest to provide the DMARC panel(s)? (Yes/No)

2). If **Yes** is entered above enter the dimensions (in inches) Width  Depth  of the bay in which the DMARC panel(s) will be installed.

**Note:** If Qwest provides the DMARC panel(s), it will determine the manufacturer and model to deploy, carding out only those jacks required to meet the Finished Services request.

3). If **No** is entered above (CLEC to provide the DMARC panel(s) in their site) please answer the following questions:

- a). Manufacturer of DMARC Panel
- b). Model Number of Panel
- c). Configuration of DMARC panel(s) (check all applicable)

- DS1 Only
- DS3 Only
- DS1 and DS3 Combination Panel

d). Quantity of panel(s) (enter all applicable quantities)

- DS1 Only
- DS3 Only
- DS1 and DS3 Combination Panel

d. **Attach** a detailed sketch of the requested CLEC Site DMARC installation including Cageless Site bay line-up(s) showing the panel(s) and jack(s) housing the DMARC terminations.

e. **Note:** standard BNC connectors are to be used for all CLEC DS3 terminations when the DMARC is in the CLEC site.

**C. DIRECT CLEC TO CLEC CONNECTION**

1. CLEC to CLEC Central Office Locations (enter all applicable data)

- a. Originating CLEC Site  CLEC Site  Cageless Relay Rack  Number(s), e.g. 0123.45
- b. Terminating CLEC site  11 Character CLLIs

2. Type of Connection required (check one)

- a. Two party (2 CLECs) connection
- b. One party (1 CLEC) with multiple forms of Collocation
- c. Non-contiguous bay connectivity

3. Cable size, type, and quantity to be used (enter all applicable data)

	Size	Type	Quantity
DS0	<input type="text"/>	<input type="text"/>	<input type="text"/>
DS1	<input type="text"/>	<input type="text"/>	<input type="text"/>
DS3	<input type="text"/>	<input type="text"/>	<input type="text"/>

Fiber

4. When one or both of the Collocations is/are Virtual please indicate if Qwest or an approved vendor will be responsible for terminating the cable in the Virtual Collocation space (check one)
- a. Qwest to terminate cables
- b. Approved vendor to terminate cables

**D. VIRTUAL TO CAGELESS CONVERSION**

1. Existing Virtual Equipment identification (location and description) (enter all applicable data)

Floor	Relay Rack #	Panel	Description of Equipment

2. Prior to conversion, does the CLEC require an inspection of the equipment? (Yes/No)

3. Notes Section

- Note 1:** A Virtual to Cageless Conversion can only take place once it is determined that:
- a. The CLEC equipment is not co-mingled in a bay(s) with other CLEC and/or Qwest equipment.
  - b. Power feeds to the Virtual equipment comes from CLEC power panel equipment.
  - c. CLEC cabling to ICDF terminations exist.
- Note 2:** If any of the conditions noted above are not meet, a feasibility "no" condition exists. All work activity initiated by this application will be canceled.
- Note 3:** When feasibility "no" conditions exist, a CLEC may place ICB (Individual Case Basis) order(s) to condition their site to accommodate a subsequent Virtual to Cageless Conversion.
- Note 4:** Once a site is conditioned to accommodate a Virtual to Cageless Conversion, a subsequent application may be submitted.

**V. ENTRANCE FACILITIES**

**A. REQUESTED ENTRANCE FACILITY TYPE (check all applicable)**

1. Orderable with this Application:

	1st Choice	2nd Choice (optional)
Express Fiber	<input type="checkbox"/>	<input type="checkbox"/>
Shared Cross Connect Fiber	<input type="checkbox"/>	<input type="checkbox"/> (see Note 7)
Standard Shared Fiber	<input type="checkbox"/>	<input type="checkbox"/> (see Note 7)
Copper Entrance (Minnesota Only)	<input type="checkbox"/>	<input type="checkbox"/> (see Note 5)
DS1 Leased Private Line	<input type="checkbox"/>	<input type="checkbox"/> (see Note 1)
DS3 Leased Private Line	<input type="checkbox"/>	<input type="checkbox"/> (see Note 1)
Unbundled Network Elements	<input type="checkbox"/>	<input type="checkbox"/>

2. Ordered outside this application (include detail here for design purposes):

	1st Choice	2nd Choice (optional)
Copper Entrance (All States but MN)	<input type="checkbox"/>	<input type="checkbox"/> (see Note 3)
Dark Fiber	<input type="checkbox"/>	<input type="checkbox"/> (see Notes 2 and 4)
Microwave	<input type="checkbox"/>	<input type="checkbox"/> (see Note 6)
Other	<input type="checkbox"/>	<input type="checkbox"/> (see Note 3)

3. Notes Section

- Note 1:** Also complete the Finished Services section.
- Note 2:** Requires a corresponding set of fiber terminations which can be ordered with this application.
- Note 3:** Ordered as a BFR.
- Note 4:** If Dark Fiber is requested, Dark Fiber Form must be completed. This form can be accessed at the following address: <http://www.qwest.com/wholesale/pcat/udf.html>
- Note 5:** Copper Entrance can be ordered using this application for the State of Minnesota only, where it will be processed with ICB (Individual Case Bases) pricing and intervals.
- Note 6:** If Microwave Entrance Facility type is requested, the Microwave Entrance Facility - Site Visit Order Form must be completed. This form can be accessed at the following address: <http://www.qwest.com/wholesale/pcat/collocation.html>
- Note 7:** Pre-provisioned along with this product will be corresponding fiber legs extending from the CLEC site to a Fiber Distribution Panel.

**B. DUAL ENTRANCE**

1. Is Diverse Dual Entrance Requested? (Yes/No)



