

EXHIBIT I

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27

STATE OF ALASKA

THE REGULATORY COMMISSION OF ALASKA

Before Commissioners: Mark Johnson, Chair
Kate Giard
Dave Harbour
James S. Strandberg
G. Nanette Thompson

In the Matter of the New Requirements)
Of 47 CFR § 51 Related to FCC Triennial Review)
Order Interconnection Provisions and Policies) R-03-7
_____)

RESPONSE OF GCI TO RCA ORDER REQUESTING DATA

GCI Communication Corp. d/b/a General Communication, Inc. and
d/b/a GCI ("GCI") hereby submits its responses to the data requests issued by
the Commission on March 1, 2004 as Appendix A to Order No. 3 in the above-
captioned docket. Pursuant to the Order, GCI is required to respond to
questions 1, 2, 3, 4, 20, 21, 22, 23, and 24. GCI has repeated those questions
herein, followed by GCI's response.

QUESTION 1

1) For each area you provide local exchange telecommunications services
to either on a facilities basis or otherwise, please state:

(a) The number of lines you provide service to in each local incumbent's
study area.

Response: As of January 2004, GCI served 87,327 lines in Anchorage, 10,987
lines in Fairbanks, and 6,291 lines in Juneau.

GCI Communication Corp.
2550 Denali Street, Suite 1000
Anchorage, AK 99503
(907) 265-5600

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27

(b) Our estimated share (percentage) of the total lines served in each local incumbent's study area.

Response: GCI estimates its share of local lines served to be 45.9% in Anchorage, 24.6% in Fairbanks, and 23.3% in Juneau, based on the estimated total market lines set forth in the response to Question 1(c).

(c) Your estimate of the total number of lines in each local incumbent's study area.

Response: Combining the GCI line counts with the line counts reported by ACS on the CASBB bills dated February 2004, GCI believes there are approximately 190,424 lines in Anchorage, 44,654 lines in Fairbanks, 26,948 lines in Juneau.

QUESTION 2

2) Non-incumbent carriers only: For competitors that serve DS0 end user customers using their own switching facilities, describe where or under what conditions you are unable to provide service to end user customers due to lack of access to end-user DS0 loops or other factors.

Response: GCI provided extensive information and data addressing Question 2 in its Comments and accompanying testimony, and as the Commission recognized in Order No. 3, "GCI has already provided information on lack of access to customers through CLEC switches."¹ The Commission also determined that it would "not ask any commenter to restate a position already in the record."² For this reason, GCI will not restate the information already submitted in the record of this proceeding in this response to Question 2 here, but incorporates that information by reference and refers the Commission to the GCI Comments at 4-32, the Testimony of Emily Thatcher at 2-24 and Exhibits ET-1, ET-2, ET-3, ET-4³, ET-5, ET-6, ET-7, and ET-8.

In addition, attached hereto are three additional maps, designated Exhibit ET-10, ET-11, and ET-12, that depict the geographic areas in each of Fairbanks,

¹ Order No. 3 at 8.

² *Id.*

³ A revised version of ET-4 is attached hereto. The exhibit has been revised to reflect that the device at Thread Needle is a DLC (rather than an OPM, as depicted in the original version), serving lines to which GCI does have access.

1
2 Juneau, and Anchorage where GCI has access to loops via its own switching
3 facilities (in green) and where it does not due to ACS' network architecture (in
4 yellow).

4 **QUESTION 3**

5 3) For a carrier responding to Question 2 that is unable to access certain
6 end-user DS0 loops using its own switching facilities, explain what typical
7 additional costs would be incurred to obtain access to those lines in a service
8 area. If typical costs differ by the nature of the impairment, please indicate so.

8 **Response:** The only potential solutions to address the impairment caused by
9 ACS' network design (other than continued access to ACS unbundled switching
10 in these circumstances) are: (1) ACS network design changes, as required
11 pursuant to paragraph 297 of the *Triennial Review Order*, or (2) further
12 collocation by GCI at the sub-loop level, which is not required in lieu of access
13 to loops. See GCI Comments at 11-14.

12 There a number of ACS network adjustments that could be made to
13 accommodate GCI's access to customer loops when ACS installs devices
14 between the customer premises and the central office switch. Should ACS
15 determine the need to install a remote switch or DLC in an area where GCI
16 currently has access to unbundled loops, ACS could leave a sufficient number
17 of copper pairs available to GCI to continue providing service on unbundled
18 loops (effectively bypassing the remote switch or DLC). A sufficient number of
19 copper pairs would be that quantity of pairs necessary to meet the current
20 requirements and reasonable growth. If multiplexing is available at the remote
21 switch or DLC, another technical solution would be the availability to GCI of
22 enhanced extended links ("EELs")—a combination of UNE DS1s, multiplexing,
23 and UNE loops, which GCI could then connect to its own switching facilities.
24 The costs for these solutions should be minimal, given that they would simply
25 require ACS to keep existing network facilities available for use when
26 deploying new devices in its network and that such facilities would continue to
27 be made available to GCI at the applicable UNE rates. In the case of a DLC
28 deployment, ACS could deploy DLCs with multi-hosting capability. With these
29 devices, GCI can access the loops via multi-hosting with a minimum of two T-1
30 circuits.

24 As for the second option of further GCI collocation at the sub-loop level—
25 which would be necessary for any non-multi-hostable device ACS deploys—
26 GCI expects that the direct costs to GCI would be significantly higher than any
27

1
2 of the options discussed above. The costs to GCI of further collocation vary
3 from site to site, according to factors including the type of device ACS has
4 installed (e.g., remote/DLC/OPM, multi-hostable/non-multi-hostable),
5 availability of space and power for collocation, and the required capacity. For
6 those OPMs and DLCs that have internal cross-connect panels or external cross-
7 connect cabinets in lieu of main distribution frames, extraordinary modifications
8 may be necessary to terminate tie cables from an adjacently collocated DLC, so
9 that regardless of the tasks and costs, collocation to access such devices would
10 be futile. See GCI Comments at 22. At the very least, the steps necessary to
11 reconstruct the ACS facilities where the facility cross-connect panels or cabinets
12 do not support the termination of tie cables to a collocated DLC would not be
13 incurred when collocating at sites that employ a main distribution frame. See
14 Thatcher Testimony at 12-13 (discussing tasks required to replace the cross-
15 connect panel or cabinet and providing examples of costs under different
16 collocation methodologies). Other examples of when collocation and cross-
17 connect may not be achievable are lack of available space for physical or
18 adjacent collocation, lack of capacity at the main distribution frame, or lack of
19 space for cross-connection in housing for remotes or concentrators. See
20 Thatcher Testimony at 14.

21 Where these limitations do not exist, however, physical or adjacent collocation
22 can be established through a series of tasks as set forth in the attached Exhibits
23 GCI-1 (Physical Collocation – Typical Task List) and GCI-2 (Adjacent
24 Collocation – Typical Task List). Collocation at the ACS network devices at
25 issue could typically only be accommodated through adjacent collocation, and
26 Exhibit GCI-3 (attached hereto) sets forth sample adjacent collocation costs,
27 based on GCI's estimates for collocation at four locations. The first is the
remote at Steese in Fairbanks, to which approximately 2,795 lines are homed.
GCI estimates that collocation to access sub-loops at that site would cost
approximately \$241,956. The second is the OPM at Dale Road in Fairbanks, to
which approximately 646 lines are homed. GCI estimates that collocation to
access sub-loops at that site would cost approximately \$155,809. The third is
the remote at Mendenhall in Juneau, to which approximately 3,119 lines are
homes. GCI estimates that collocation to access sub-loops at that site would
cost approximately \$251,194. The fourth is the remote at Lemon Creek in
Juneau, to which approximately 2,271 lines are homed. GCI estimates that
collocation to access sub-loops at that site would cost approximately \$217,850.
It should be noted, however, that the duration and cost of any collocation project
may vary by as many tasks that apply, so these representative cost estimates are
provided to reflect the type and magnitude of costs that may be incurred. GCI
has also addressed the issue of additional costs that would incurred to obtain

1
2 access to loops served by non-multi-hostable devices in its filed Comments. See
3 GCI Comments at 21-23 and Thatcher Testimony at 11-14.

4 Even further highlighting the unpredictable nature of collocation costs, some of
5 GCI's costs in establishing a new collocation are within ACS' control. See
6 Thatcher Testimony at 12-13. Examples of costs ACS controls are:

- 7 • Preparing and submitting bids for contract work, reviewing responses,
8 and awarded contracts.
- 9 • Preparing space in the ACS central office. This includes engineering,
10 preparation of work orders, ordering of material, logistics, installation of cable
11 rack, mounting cable blocks on the MDF, placing of VF, DS-1, and DS-3 tie
12 cables, splicing, terminating, and testing of those cables, placement of power
13 conductors, and construction of vaults and duct systems (if provided by ACS).
14 This work is usually done by ACS employees.
- 15 • Preparing collocation space (physical collocation). This includes
16 architectural design work; obtaining permits; ordering building materials,
17 HVAC, and fire suppression equipment; demolition and asbestos abatement;
18 framing; sheetrock work; plumbing; electrical work; painting; and flooring.
19 And because this work is usually contracted out, even ACS is not within total
20 control of the costs it ultimately passes onto GCI.

21 In fact, ACS' cost estimates on prior projects typically have been less than the
22 actual costs, as demonstrated by the following data:

23	Globe (Adjacent)	Estimate:	\$126,695	Actual:	\$158,890
24	Greenwood (Physical)	Estimate:	\$237,593	Actual:	\$272,490
25	Juneau*	Estimate	\$144,933*	Actual:	\$311,272

26 * This was the total estimated for Juneau Main (physical) and Sterling
27 (adjacent), which does not include ACS labor costs for Juneau Main. Some of
the cost increases were due to changes in scope of work, but the balance
resulted from changes to the original estimated costs.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27

QUESTION 4

4) For each month beginning with January 1, 2003, please identify the monthly churn rate your company has experienced in providing local exchange services to end user customers in Alaska. In answering this request, you should calculate the churn rate as the number of voice grade equivalent lines lost each month divided by the average number of voice grade equivalent lines in service each month. In calculating the churn rate, do not include customers that move but remain your customer.

Response: See Exhibit GCI-4, attached hereto.

QUESTION 20

20) If you are proposing that the RCA develop a batch hot-cut process, please describe what process you would have the RCA establish, and how the process you advocate would resolve any impairment issues or ACS batch cut process efficiencies you believe exist. When responding to this question, please include the following information:

- a) An estimate of the maximum number of lines that should be processed in each batch.
- b) The estimate cost to each party of implementing your proposed solution.
- c) A "stand alone" document that identifies all of the details of your proposal. At a minimum, include in this document the following information:
- d) a list of each task that is part of your proposed batch hot-cut process; the deadlines associated with beginning and completing each task; the terms and conditions that apply under your proposal; whether your proposal replaces, modifies, or assumes the continuing existence of any current ACS batch cut processes.

Response: GCI has consolidated its batch host-cut proposal described in its Comments (at 24-31) and in the Testimony of M. Sue Keeling in Exhibit GCI-5 (attached hereto). Exhibit GCI-5 also addresses each of the subparts set forth in Question 20.

1
2 **QUESTION 21**

3 21) For each task identified in part (c)(i) of the previous question, please
4 provide the following information:

- 5 a) the average time you estimate it takes to complete the task; and
6 b) the typical occurrence of the task during the process.

7 **Response:** See Exhibit GCI-5, attached hereto.

8 **QUESTION 22**

9 22) Non-incumbent carriers only: Please provide a list of all the ACS-AK,
10 ACS-AN and ACS-F wire centers identified by name, address, and CLLI code,
11 to which you provide or offer transport facilities (*i.e.*, any facilities that, directly
or indirectly, provide connections to wire centers) to other carriers. For each
facility, please identify:

- 12 a) The type of transport facility (*i.e.*, DS1, DS3, dark fiber);
13 b) The transport technology used (*e.g.*, fiber optic (dark or lit),
microwave, radio, or coaxial cable);
14 c) The level of capacity the facility is capable of supporting.

15 **Response:** GCI is collocated at seven ACS-designated wire centers in
16 Anchorage, two in Fairbanks, and two in Juneau. At each of these sites, GCI
17 has deployed fiber facilities that are capable of supplying transport to other
18 carriers, such as the high-capacity transport offered by GCI in both its interstate
and intrastate tariffs. See also Exhibit GCI-6 (attached hereto) for specific
responses to subparts a, b, and c.

19 **QUESTION 23**

20 23) Non-incumbent carriers only: Please provide a list of all transport
21 facilities (*i.e.*, trunks) that you connect either directly or indirectly between any
22 two ACS central offices, that you own, control or lease or have obtained use
from an entity other than ACS. For each facility, please identify:

- 23 a) The A (beginning) location, the Z (ending) location, and any other
24 premises through which the facility is routed;
25 b) The wire center in which the facility is located, by CLLI code (if wire
center data is unavailable please report the data by city);
26

- 1
2 c) The type of transport facility (*i.e.*, DS1, DS3, dark fiber);
3 d) The transport technology used (*e.g.*, fiber optic (dark or lit),
4 microwave, radio, or coaxial cable);
5 e) The level of capacity the facility is capable of supporting.

6 **Response:** See Exhibit GCI-7 (attached hereto) for subparts (a), (b), and (c).

- 7 d) The transport technology used over each route is lit fiber optic.
8 e) The type of transport facility provided on the exhibit also is effectively
9 the maximum level of capacity the facility is capable of supporting. Typically,
10 capacity over an OCx facility as these would be utilized as DS1s and DS3s, and
11 in the case of OC12 or above, OC3s.

12 **QUESTION 24**

13 24) Non-incumbent local carriers only: Please list all the end points to all
14 high capacity loops and dark fiber loops in the ACS-AN, ACS-F and ACS-AK
15 service areas that you own or control and that could be available for the
16 provision of service comparable to UNE DS3 or dark fiber loop services.
17 Indicate whether limitations may exist for availability of these loops as a
18 replacement for the incumbent's unbundled network element DS3 and dark
19 fiber services.

20 **Response:** See Exhibit GCI-8 (attached hereto). GCI is not currently aware of
21 any limitations with respect to the identified facilities that would affect their use
22 as a replacement for the incumbent's unbundled network element DS3 and/or
23 dark fiber services, as available at each of the customer locations listed in
24 Exhibit GCI-8.

25 **Dated** March 19, 2004 at Anchorage, Alaska.

26 Respectfully submitted,

27 By: Tina Pidgeon by mmw
Tina Pidgeon
Vice President, Federal Regulatory Affairs

By: Martin Weinstein
Martin M. Weinstein
Regulatory Counsel

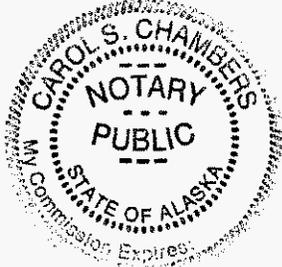
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27

VERIFICATION

I, Martin Weinstein, verify that I believe the statements contained in this pleading are true and accurate.

Martin Weinstein
Martin M. Weinstein

SUBSCRIBED AND SWORN to before me this 19 day of March 2004.



Carol Chambers
Notary Public in and for Alaska
My commission expires: 4-2-05

GCI Communication Corp.
2550 Denali Street, Suite 1000
Anchorage, AK 99503
(907) 265-5600

EXHIBIT GCI-1

Physical Collocation – Typical Task List

- 1. Application for Collocation**
 - a. Submit Check Request for Application Fee
 - b. Submit Request for Collocation to ILEC
 - c. ILEC Approves Request / Names Single Point Of Contact

 - 2. Pre-construction Site Survey**
 - a. Request Site Survey
 - b. Schedule Site Survey, Travel Arrangements to site location
 - c. Conduct Site Survey/Take field notes

 - 3. Detailed Site Requirements**
 - a. Develop Site Requirements (drawings of site/preliminary engineering drawings and narrative)
 - b. Submit Requirements to ILEC
 - c. ILEC Approval of Site Requirements (potentially iterative process)

 - 4. Cost Proposal - ILEC Space**
 - a. Cost Proposal Development
 - b. Cost / Schedule Review & Negotiation
 - c. Cost / Schedule Approval

 - 5. Cost Proposal - Collocation Space**
 - a. Architect's Design
 - b. Submit Design to Contractors for Bids
 - c. Receive/Review Contractor's Bids
 - d. Award Contracts for Work

 - 6. Collocation Space Preparation (ILEC)**
 - a. Obtain Construction Permits
 - b. Order Building Materials, HVAC equipment, Fire Suppression Equipment
 - c. Demolition/Asbestos Abatement
 - d. Framing
 - e. Plumbing
 - f. Electrical & Lighting
 - g. HVAC
 - h. Fire Suppression
 - i. Construct Duct System for Entrance Cables
 - j. Sheetrock/Taping/Painting
 - k. Anti-static Flooring
 - l. Space Acceptance

 - 7. ILEC Space Preparation**
 - a. Order Ironwork, MDF Blocks, DSX Panels, etc.
 - b. Materials Delivery
 - c. Install MDF Blocks
 - d. Install DS-1 Panels & Modules
 - e. Install DS-3 Panels & Modules
 - f. Install VF Tie Cables
 - g. Install DS-1 Tie Cables
 - h. Install DS-3 Tie Cables
 - i. Terminate VF Tie Cables
 - j. Terminate DS-1 Tie Cables
 - k. Terminate DS-3 Tie Cables
-

EXHIBIT GCI-1

I. ILEC Space Complete

8. Outside Plant

- a. Submit Outside Plant Request For Fiber Entrance Facility
- b. Determine Route for Fiber Entrance Facility
- c. Order Fiber Cable
- d. Fiber Cable Delivery
- e. Order InnerDuct
- f. InnerDuct Delivery

9. Material Requisitions

- a. Order Cable Rack
- b. Cable Rack Delivery
- c. Order Relay Racks
- d. Relay Rack Delivery
- e. Order MDF
- f. MDF Delivery
- g. Order MDF Blocks
- h. MDF Blocks Delivery
- i. Order Test Shoe (to test cable pairs not connected to switch)
- j. Test Shoe Delivery
- k. Order DS-1 Panels and Modules
- l. DS-1 Panel / Module Delivery
- m. Order DS-3 Panel and Modules
- n. DS-3 Panel / Module Delivery
- o. Order Fiber Termination Panel
- p. FTP Delivery
- q. Order Fuse Panels
- r. Fuse Panel Delivery
- s. Obtain Quotations for Rectifiers (AC-DC converter) and Batteries
- t. Order Rectifiers
- u. Rectifier Delivery
- v. Order Batteries
- w. Battery Delivery
- x. Order Power Cable and Lugs
- y. Cable and Lugs Delivery
- z. Order Monitor & Control Equipment
- aa. M&C Equipment Delivery
- bb. Order Harris 107 RTU
- cc. Harris 107 Delivery
- dd. Obtain Quotation for Transport Equipment
- ee. Order Transport Equipment
- ff. Transport Equipment Delivery
- gg. Obtain Quotation for DLC Equipment
- hh. Order DLC Equipment
- ii. DLC Equipment Delivery
- jj. Obtain Quotation for PairGain Equipment
- kk. Order PairGain Equipment
- ll. PairGain Equipment Delivery

10. Installation Packages

- a. Issue Install Package for Cable Rack, Relay Rack, MDF, Fuse Panels
- b. Issue Install Package for DS-1 & DS-3 Panels, Harris 107 RTU
- c. Issue Install Package for Rectifier and Batteries
- d. Issue Install Package for M&C Equipment
- e. Issue Install Package for Transport Equipment

EXHIBIT GCI-1

- f. Issue Install Package for DLC Equipment
- g. Issue Install Package for PairGain Equipment

11. Circuit Orders

- a. Submit Orders for DLC GR-303 Group
- b. Submit Orders for PairGain GR-303 Group
- c. Design DLC GR-303 Group
- d. Design PairGain GR-303 Group
- e. Order 4 POTS Lines for Harris 107 Unit
- f. Order 1 POTS Line for Test Shoe
- g. Order 1 POTS Line for Site Telephone

12. Miscellaneous Activity

- a. Issue Application Package to Office Equipment List with Tie Pairs to Local Services Delivery Dept. (LSDD)
- b. Issue PairGain OE List with Tie Pairs to LSDD
- c. Issue Jumper Running List for DLC Equipment
- d. Issue Jumper Running List for PairGain Equipment

13. Installation Activity

- a. Install Cable Rack and Relay Racks
- b. Install MDF
- c. Install Fuse Panels
- d. Install DSX-1 and DSX-3 Panels and Modules
- e. Install Power Cable Runs
- f. Install Rectifier
- g. Install Batteries
- h. Install M&C Equipment
- i. Install Transport Equipment, Terminate on DSX-1 & DSX-3 Panels
- j. Install DLC Equipment, Terminate DSX-1 and VF Cables
- k. Install PairGain Equipment, Terminate DSX-1 and VF Cables
- l. Install Harris 107 RTU
- m. Install Test Shoe
- n. Splice Tip Cables to VF Tie Cables
- o. Terminate DS-1 Tie Cables on DSX-1 Panels
- p. Terminate DS-3 Tie Cables on DSX-3 Panels
- q. Test VF Tie Cables
- r. Test DS-1 Tie Cables
- s. Test DS-3 Tie Cables
- t. Install InnerDuct and Fiber Cable
- u. Test Fiber and Record Results
- v. Provide Fiber Assignments to Transport Engineering
- w. Turn-Up DC Power Plant
- x. Power Up Equipment
- y. Perform System Tests on Transport Equipment
- z. Place Transport Equipment In Service
- aa. Provision DLC Equipment
- bb. Provision PairGain Equipment
- cc. Provision Transport Equipment
- dd. Run Jumpers for DLC Equipment
- ee. Run Jumpers for PairGain Equipment
- ff. Turn Up GR-303 Group for DLC Equipment
- gg. Turn-Up GR-303 Group for PairGain Equipment
- hh. Run Jumpers to Harris 107 Unit
- ii. Grow DLCs in Harris Test System (add lines for testing)
- jj. Run Jumper for Test Shoe

EXHIBIT GCI-1

- kk. Verify M&C Alarms are Functioning Properly
- ll. Site Acceptance by Operations

EXHIBIT GCI-2

Adjacent Collocation – Typical Task List

1. **Application for Collocation**
 - a. Submit Check Request for Application Fee
 - b. Submit Request for Collocation to ILEC
 - c. ILEC Approves Request / Names Single Point Of Contact

 2. **Pre-construction Site Survey**
 - a. Request Site Survey
 - b. Schedule Site Survey, Travel Arrangements to site location
 - c. Conduct Site Survey/Take field notes

 3. **Detailed Site Requirements**
 - a. Develop Site Requirements (drawings of site/preliminary engineering drawings and narrative)
 - b. Submit Requirements to ILEC
 - c. ILEC Approval of Site Requirements (potentially iterative process)

 4. **Cost Proposal - ILEC Space**
 - a. Cost Proposal Development
 - b. Cost / Schedule Review & Negotiation
 - c. Cost / Schedule Approval

 5. **ILEC Space Preparation**
 - a. Order Ironwork, MDF Blocks, DSX Panels, etc.
 - b. Materials Delivery
 - c. Install MDF Blocks
 - d. Install DS-1 Panels & Modules
 - e. Install DS-3 Panels & Modules
 - f. Install VF Tie Cables
 - g. Install DS-1 Tie Cables
 - h. Install DS-3 Tie Cables
 - i. Terminate VF Tie Cables
 - j. Terminate DS-1 Tie Cables
 - k. Terminate DS-3 Tie Cables
 - l. Test VF Tie Cables
 - m. Test DS-1 Tie Cables
 - n. Test DS-3 Tie Cables
 - o. ILEC Space Complete

 6. **CLEC Site Preparation**
 - a. Request List of Approved Contractors from ILEC
 - b. List of Approved Contractors Received
 - c. Obtain As-Built Survey of Property
 - d. Design Foundation / Footings for Shelter
 - e. Design Grounding System
 - f. Design Duct System for Tie Cables
 - g. Design Duct System for Fiber Entrance
 - h. Submit Designs to Contractors for Bids
 - i. Preparation of Bids
 - j. Review Bids for Conduit and Duct System
 - k. Select Contractor and Give Notice To Proceed
 - l. Order Materials, Prepare for Construction
 - m. Construct Duct Systems
 - n. Contractor Lays Foundation
-

EXHIBIT GCI-2

- o. Order Commercial Electrical Service To Site
- 7. Outside Plant**
- a. Submit Outside Plant Request For Fiber Entrance Facility
 - b. Determine Route for Fiber Entrance Facility
 - c. Order Fiber Cable
 - d. Fiber Cable Delivery
 - e. Order InnerDuct
 - f. InnerDuct Delivery
- 8. Collocation Shelter**
- a. Design Shelter and Equipment Layout
 - b. Order Shelter
 - c. Shelter Construction and Delivery
- 9. Material Requisitions**
- a. Order Cable Rack
 - b. Cable Rack Delivery
 - c. Order Relay Racks
 - d. Relay Rack Delivery
 - e. Order MDF
 - f. MDF Delivery
 - g. Order MDF Blocks
 - h. MDF Blocks Delivery
 - i. Order Test Shoe (to test cable pairs not connected to switch)
 - j. Test Shoe Delivery
 - k. Order DS-1 Panels and Modules
 - l. DS-1 Panel / Module Delivery
 - m. Order DS-3 Panel and Modules
 - n. DS-3 Panel / Module Delivery
 - o. Order Fiber Termination Panel
 - p. FTP Delivery
 - q. Order Fuse Panels
 - r. Fuse Panel Delivery
 - s. Obtain Quotations for Rectifiers and Batteries
 - t. Order Rectifiers
 - u. Rectifier Delivery
 - v. Order Batteries
 - w. Battery Delivery
 - x. Order Power Cable and Lugs
 - y. Cable and Lugs Delivery
 - z. Order Monitor & Control Equipment
 - aa. M&C Equipment Delivery
 - bb. Order Harris 107 RTU
 - cc. Harris 107 Delivery
 - dd. Obtain Quotation for Transport Equipment
 - ee. Order Transport Equipment
 - ff. Transport Equipment Delivery
 - gg. Obtain Quotation for DLC Equipment
 - hh. Order DLC Equipment
 - ii. DLC Equipment Delivery
 - jj. Obtain Quotation for PairGain Equipment
 - kk. Order PairGain Equipment
 - ll. PairGain Equipment Delivery

EXHIBIT GCI-2

10. Installation Packages

- a. Issue Install Package for Cable Rack, Relay Rack, MDF, Fuse Panels
- b. Issue Install Package for DS-1 & DS-3 Panels, Harris 107 RTU
- c. Issue Install Package for Rectifier and Batteries
- d. Issue Install Package for M&C Equipment
- e. Issue Install Package for Transport Equipment
- f. Issue Install Package for DLC Equipment
- g. Issue Install Package for PairGain Equipment

11. Circuit Orders

- a. Submit Orders for DLC GR-303 Group
- b. Submit Orders for PairGain GR-303 Group
- c. Design DLC GR-303 Group
- d. Design PairGain GR-303 Group
- e. Order 4 POTS Lines for Harris 107 Unit
- f. Order 1 POTS Line for Test Shoe
- g. Order 1 POTS Line for Site Telephone

12. Miscellaneous Activity

- a. Issue Application Package to Office Equipment List with Tie Pairs to Local Services Delivery Dept. (LSDD)
- b. Issue PairGain OE List with Tie Pairs to LSDD
- c. Issue Jumper Running List for DLC Equipment
- d. Issue Jumper Running List for PairGain Equipment

13. Installation Activity – Anchorage (Pre-Construction of Shelter)

- a. Install Cable Rack and Relay Racks
- b. Install MDF
- c. Install Fuse Panels
- d. Install DSX-1 and DSX-3 Panels and Modules
- e. Install Power Cable Runs
- f. Install Rectifier
- g. Install Batteries
- h. Install M&C Equipment
- i. Install Transport Equipment, Terminate on DSX-1 & DSX-3 Panels
- j. Install DLC Equipment, Terminate VF Cables
- k. Install PairGain Equipment, Terminate VF Cables
- l. Install Harris 107 RTU
- m. Install Test Shoe
- n. Prepare Shelter for Shipping to Site
- o. Ship Shelter to Site

14. Installation Activity - On Site

- a. Set Shelter in Place on Foundation / Footings
- b. Seal Conduit / Duct System
- c. Make Connect from Ground Window to Ground System
- d. Connect Commercial Electrical Service
- e. Verify Lighting and HVAC Equipment Functions Properly
- f. Splice Tip Cables to Voice Frequency Tie Cables
- g. Terminate DS-1 Tie Cables on DSX-1 Panels
- h. Terminate DS-3 Tie Cables on DSX-3 Panels
- i. Test VF Tie Cables
- j. Test DS-1 Tie Cables
- k. Test DS-3 Tie Cables

EXHIBIT GCI-2

- l. Install InnerDuct and Fiber Cable
- m. Test Fiber and Record Results
- n. Provide Fiber Assignments to Transport Engineering
- o. Turn-Up DC Power Plant
- p. Power Up Equipment
- q. Perform System Tests on Transport Equipment
- r. Place Transport Equipment In Service
- s. Provision DLC Equipment
- t. Provision PairGain Equipment
- u. Provision Transport Equipment
- v. Run Jumpers for DLC Equipment
- w. Run Jumpers for PairGain Equipment
- x. Turn Up GR-303 Group for DLC Equipment
- y. Turn-Up GR-303 Group for PairGain Equipment
- z. Run Jumpers to Harris 107 Unit
- aa. Grow DLCs in Harris Test System (add lines for testing)
- bb. Run Jumper for Test Shoe
- cc. Verify M&C Alarms are Functioning Properly
- dd. Site Acceptance

Exhibit GCI-3

Adjacent Collocation Cost Estimate	Fairbanks		Juneau	
	Steese	Dale Road	Mendenhall	Lemon Creek
Engineer, Furnish, Install Cabinetized DLC Equipment	\$ 78,304	\$ 43,415	\$ 84,680	\$ 69,252
Environmentally Controlled Cabinet	\$ 36,613	\$ 18,118	\$ 37,935	\$ 25,933
Pad Mount Bracket	\$ 586	\$ 181	\$ 586	\$ 230
Maintenance & Control Equipment	\$ 14,027	\$ 14,027	\$ 14,027	\$ 14,027
Site Prep	\$ 20,000	\$ 17,500	\$ 20,000	\$ 20,000
Permits & Survey	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500
Electrical Service	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
Cabinet Placement	\$ 7,500	\$ 5,000	\$ 7,500	\$ 7,500
GCI Engineering/Project Management Labor	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,000
GCI Installation Labor	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
ACS Collocation Application Fee	\$ 2,100	\$ 2,100	\$ 2,100	\$ 2,100
ACS Costs (Estimated by GCI)	\$ 25,000	\$ 12,000	\$ 25,000	\$ 25,000
Subtotal	\$ 201,630	\$ 129,841	\$ 209,328	\$ 181,542
Contingency (20%)	\$ 40,326	\$ 25,968	\$ 41,866	\$ 36,308
Total Cost	\$ 241,956	\$ 155,809	\$ 251,194	\$ 217,850

Note: First three items based on vendor quotations. All other costs are estimates. These estimates do not include the cost to place fiber feeder facilities, but assume that the T-1 feeder circuits could be leased from ACS.

Steese 2,795 lines in service (approx.)
Dale Road 646 lines in service (approx.)
Mendenhall 3,119 lines in service (approx.)
Lemon Creek 2,271 line sin service (approx.)

EXHIBIT GCI-4

GCI Local Services Churn (as percentage)	Jan-03	Feb-03	Mar-03	Apr-03	May-03	Jun-03
Total Churn	2.3%	1.8%	2.1%	2.2%	1.8%	1.1%
Anchorage	2.1%	1.8%	2.0%	2.3%	1.7%	1.1%
Fairbanks	3.6%	2.0%	2.6%	2.2%	2.4%	1.5%
Juneau	2.4%	1.6%	1.7%	1.3%	1.2%	1.0%

Jul-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04
1.6%	2.1%	1.8%	2.2%	2.0%	1.6%	1.5%	1.8%
1.6%	2.1%	1.6%	2.2%	1.9%	1.5%	1.4%	1.8%
1.9%	2.4%	3.3%	2.4%	2.4%	2.0%	1.8%	1.8%
1.2%	1.5%	1.8%	1.9%	2.3%	1.3%	1.5%	1.6%

EXHIBIT GCI-5

GCI PROPOSAL FOR COORDINATED BATCH "HOT CUTS"

GCI proposes that the following tasks be followed for every GCI order that requires moving customer loops from the ACS switch to the GCI switch. Overall, a comprehensive process will address the impairment that arises when loop cutovers are not handled in an orderly, coordinated fashion, as described in the Testimonies of Gina Borland (at 2-6) and M. Sue Keeling (at 2-7). This process must be followed for every line for which a hot cut is performed, but the coordination and notification will be simplified if undertaken in a "batch." The batch hot cut process is to commence once ACS has processed the GCI order, assigned a due date, and issued a "Firm Order Confirmation" ("FOC") to GCI.

ACS and GCI have agreed by contract that this order processing function is to take no longer than two business days from ACS' receipt of the order to the issuance of the FOC. This timeframe allows GCI to notify the customer of the due date, as well as coordinate the tasks required by the GCI technician to complete the order. Since this contractual requirement is in place (see, e.g., GCI/ACS Joint Motion, U-02-97, Exhibit A (filed Mar. 12, 2004)), this interval that precedes commencement of the batch hot cut process is not a change to the current process.

Question 20(c): On the assigned due date for a given order or group of orders, the following steps should be taken to swing a customer loop or loops at a given collocation site:

1. The ACS Technician calls the GCI technician to coordinate a set of lines to be converted from the ACS switch to the GCI switch at the relevant collocation site. This telephonic notice of the conversions to be performed should be provided no more than 30 minutes in advance of the work to be performed and should confirm telephone number and cable pair assignment for each line, as well as the sequential order in which ACS will provision each line in the batch.

EXHIBIT GCI-5

- Impairment issue to be addressed (Question 20): Required coordination between ACS and GCI technicians will reduce the incidence of customer outages that can occur when a loop is moved between carrier switches without notice to and testing by the carrier “receiving” the line. Such outages are particularly difficult for the “receiving” carrier to detect when it does not know the line has been converted. Prior coordination is especially important for business conversions and move orders, so customer business operations will not be affected simply because they exercise their option to choose a new service provider. Moreover, notification that some lines will be worked is not useful unless it is accompanied by the identification of which specific lines will be worked. See Testimony of M. Sue Keeling (Keeling Testimony) at 9.
- Average estimated time to complete the task (Question 21(a)): Assuming a maximum of ten lines per batch (as described below), GCI estimates that this task will take no longer than 15 minutes.
- New/existing task and estimated additional cost (Question 20(b), 21(b)): Although this is not a new task (see Excerpt from Fairbanks/Juneau Operations Manual, “Conversion Requiring Jumper Swings”, attached hereto as Exhibit GCI-5(a)), it is a step in the current process that is often missed and when performed, often lacks the order detail necessary. GCI does not anticipate

EXHIBIT GCI-5

that performing this task will impose any additional costs on either party.

2. Upon contact and coordination (Task 1), the ACS Technician proceeds with the designated jumper swings.
 - *Impairment issue to be addressed (Question 20):* *This completion of the jumper swing is fundamental to GCI's access to the customer loop via its own switching facilities.*
 - *Average estimated time to complete the task (Question 21(a)):* *GCI estimates that this task will take no longer than three minutes per line.*
 - *New/existing task and estimated additional cost (Question 20(b) and 21(b)):* *This is not a new task and will not impose any additional costs on either party.*
3. When the planned series of jumper swings and porting of the associated number are complete, the ACS technician provides the GCI technician notification by facsimile that the work has been completed and identifies the lines (by telephone number) for which the work was completed. This notification is to be provided immediately upon completion of all of the line swings in the batch and before the ACS technician departs the wire center. This task will permit GCI to confirm completion/service availability and immediately contact the ACS technician at the collocation site if a problem is detected
 - *Impairment issue to be addressed (Question 20):* *Failure to perform this task often results in service interruption to the*

EXHIBIT GCI-5

customer since GCI is not aware ACS has completed its portion of the work. To report a deficient loop swing, ACS should allow direct communications between GCI and ACS wire center technicians and/or NOC technicians. In addition, ACS should notify GCI upon ACS' discovery of any order actions that could affect customer dial tone, features, or call receive/send capability. See Keeling Testimony at 10.

- *Average estimated time to complete the task (Question 21(a)):*
Assuming a maximum of ten loops per batch, ACS should provide the completion notification within 30 minutes of the initial coordination.
- *New/existing task and estimated additional cost (Question 20(b) and 21(b)):* *This is not a new task (see Excerpt from Fairbanks/Juneau Operations Manual, "Order Completion", attached hereto as Exhibit GCI-5(b)), but it is often omitted in practice. GCI does not anticipate that performing this task will impose any additional costs on either party.*

4. The GCI technician will test and validate the service to confirm the successful completion of the hot cut before ACS closes the service order. The loop provisioning will not be deemed "completed" until both ACS and GCI personnel have signed off on the order upon completion of their respective tasks. To meet this requirement, the ACS technician must remain at the collocation site until the

EXHIBIT GCI-5

GCI technician notifies the ACS technician that testing has been completed and service for each line is confirmed or 30 minutes, whichever comes first.

- Impairment issue to be addressed (Question 20): *Under the current process, the ACS technician often leaves before GCI is aware that ACS has completed its work and without testing for service. As a result, customers suffer from unnecessary outages because the service confirmation step was not taken. In addition, once GCI is made aware (often by a customer call due to service interruption) and the hot cut process is considered “completed” by ACS, GCI has no way to contact the ACS technician if the ‘cut’ was faulty.*
- Average estimated time to complete the task (Question 21(a)): *This testing function can be completed at a rate of 5 minutes per loop.*
- New/existing task and estimated additional cost (Question 20(b) and 21(b)): *This task differs from the current process. GCI does not anticipate that this task will add any cost to the process, as any costs should be offset by the reduction of repeat collocation site visits to address customer outages caused by faulty hot cuts.*

5. If either ACS or GCI determines that an order has not been successfully completed, then that order shall be included in the next immediate batch for the service area.

EXHIBIT GCI-5

- Impairment issue to be addressed (Question 20): This task is designed to minimize continued outages or incomplete provisioning.
- Average estimated time to complete the task (Question 21(a)): This task will not add any additional time to the process, but simply address the sequence in which incomplete orders will be reworked.
- New/existing task and estimated additional cost (Question 20(b) and 21(b)): This is a new task, but it is consistent with ACS' and GCI's recent agreement that any missed due date orders are to be given priority for rescheduling. No additional cost is estimated.

Question 20(a): In an effort to keep service interruptions to a minimum since the customers' service will be interrupted during the jumper swing, GCI proposes a maximum of 10 conversions (counted on a customer basis) to be performed in a batch. An exception to the maximum should apply for any single order having more than 10 lines. In this case, all the lines in the single order should be worked as a batch. See Borland Testimony at 6-7. This is a manageable number for the tasks identified herein and is reasonable given the data GCI has already provided concerning daily volumes of jumper swings. See Exhibit MSK-1. In addition, there should be no cap on the number of orders that may be worked in a day.

Conversions Requiring Jumper Swings

The conversion activity will proceed as follows:

- *The ACS Technician will call the designated CLEC “can be reached number” at the time agreed upon when the CLEC order was placed.*
- *The two technicians will agree on the first series of lines (A series of lines generally shall not exceed 5) to be converted.*
- *ACS will proceed with the jumper swings.*
- *ACS will advise the CLEC Technician when the series of jumper swings is complete and proceed with porting the numbers.*
- *Service interruptions for customers shall be consistent with the terms in the relevant interconnection agreement.*

Conversions Requiring Ports Only

Non-DID Port Only Numbers

The conversion activity will proceed as follows:

- *CLEC will contact the ACS NOC (611/564-1642) at the agreed upon time per the service order request to coordinate the port.*
- *ACS/CLEC technicians will agree on the first series of lines to be converted. A series in Port Only conversions generally shall be all of the telephone numbers identified on the service order.*
- *ACS will route the identified series of numbers to PODN in their switch.*
- *CLEC shall activate its SV to the NPAC and initiate its tests to validate that dial tone is established for the customer.*
- *Service interruptions for customers shall be consistent with the terms in the relevant interconnection agreement.*
- *CLEC will contact the ACS NOC @ 611/564-1642 when encountering problems on Port Only orders, failed notifications, or failed port.*

EXHIBIT GCI-5(a)

DID Port Only Numbers

The conversion activity will proceed as follows:

- *CLEC will contact the ACS NOC (611/564-1642) at the agreed upon time per the service order request to coordinate the port.*
- *ACS/CLEC technicians will agree on the first series of lines to be converted. A series in Port Only conversions generally shall be all of the telephone numbers identified on the service order.*
- *ACS will route the identified series of numbers to PODN in their switch.*
- *CLEC shall activate its SV to the NPAC and initiate its tests to validate that dial tone is established for the customer.*
- *Service interruptions for customers shall be consistent with the terms in the relevant interconnection agreement.*
- *CLEC will contact the ACS NOC @ 611/564-1642 when encountering problems on Port Only orders, failed notifications, or failed port.*

EXHIBIT GCI-5(b)

Order Completion

The GCI/ACS Interconnection Agreement Specifically Allows for the Following Services:

- **Field order completions** will be accomplished as follows:
 - ACS will assure that all fieldwork required by ACS to complete a CLEC order will result in appropriately tagged termination information at the NID. NID stickers will be placed, dated and initialed by the ACS technician. If not, CLEC may report issue to ALEC group for review and resolution.
 - ACS Technician will call the designated CLEC can be reached number from the field site, on the newly installed line when possible, at the time of order completion; indicating ACS work complete.
 - Order will be closed to the CLEC within 4 hours after completion.

- **Non-Field Order completions** will be accomplished as follows:
 - **Cut-throughs**
Orders will be completed to GCI within one (1) hour of actual cut-through activity
 - **Conversions-TOD (jumper swing required)**
 - Orders will be completed to GCI within one hour of requested TOD and upon actual jumper swing and switch command
 - **Conversions-Coordinated or Evening**
 - A completion call will be made to GCI within 5 minutes of completion activity (jumper swing and/or switch command)

- **Feature change order completion will be accomplished as follows:**
 - The ACS CSR will advise the CLEC when the order will be completed at the time the service order is placed. Completion will occur within 1 business day.

- **Pic change order completion will be accomplished as follows:**
 - The ACS CSR will advise the CLEC when the order will be completed at the time the service order is placed. Completion will occur within 4 business hours.

EXHIBIT GCI-5(b)

If any service order is not completed pursuant to the terms of the Interconnection Agreement and this document, please e-mail custcare2@acsalaska.com for further investigation.

EXHIBIT GCI-6							
					(a)	(b)	(c)
Common name	ACS wire center CLLI	address			facility type	transport technology	capacity*
Anchorage							
North	ANCRAXN	1309 E ST	ANCHORAGE, AK	99501	DS1 or DS3	lit fiber	OC12 terminal - ringed w/ADC & East OC12 terminal - ring to SADC
Central	ANCRAXC	3900 DENALI ST	ANCHORAGE, AK	99503	DS1 or DS3	lit fiber	OC48 terminal ringed w/ADC & East OC12 terminal - ring to SADC
South	ANCRAXS	1200 E DIMOND BLVD	ANCHORAGE, AK	99515	DS1 or DS3	lit fiber	OC48 terminal - ringed w/ADC and West OC12 terminal - ringed w/SADC and West
East	ANCRAXE	7441 DEBARR RD	ANCHORAGE, AK	99504	DS1 or DS3	lit fiber	OC48 terminal - ringed w/ADC & Central OC12 terminal - ringed w/ADC & North
West	ANCRAXW	3905 JEWEL LAKE RD	ANCHORAGE, AK	99502	DS1 or DS3	lit fiber	OC48 terminal - ringed w/ADC and South OC12 terminal - ringed w/SADC and South
Rabbit Creek	ANCRAXR	4200 E DE ARMOUN RD	ANCHORAGE, AK	99516	DS1 or DS3	lit fiber	Note: fiber terminal not currently installed; terminal would have to be installed when service ordered
O'Malley	ANCRAXO	MILE 3 O'MALLEY RD	ANCHORAGE, AK	99515	DS1 or DS3	lit fiber	OC3 integrated w/DLC terminal; very limited DS1 drop capability only
GCI offices							
ADC	ANCRAGC	2550 DENALI	ANCHORAGE, AK	99503			
SADC	ANCRABZ	6831 ARCTIC BLVD	ANCHORAGE, AK	99503			
Fairbanks							
Globe	FRBNAKXA	645 5TH AVE	FAIRBANKS, AK	99707	DS1 or DS3	lit fiber	OC48 terminal - ringed w/Van Horn & Greenwood
Greenwood	FRBNAKXC	925 UNIVERSITY AVE	FAIRBANKS, AK	99709	DS1 or DS3	lit fiber	OC48 terminal - ringed w/Van Horn & Globe
GCI offices							
Van Horn	FRBNAK07	1300 VAN HORN RD	FAIRBANKS, AK	99701			
Juneau							
Main	JUNEAKXA	204 MAIN ST	JUNEAU, AK	99801	DS1 or DS3	lit fiber	OC48 terminal - ringed w/Thane Rd & Sterling
Sterling	JUNEAKXS	9229 CESSNA DR	JUNEAU, AK	99811	DS1 or DS3	lit fiber	OC48 terminal - ringed w/Thane Rd & Main
GCI offices							
Thane Rd	JUNEAKGC	1580 THANE ROAD	JUNEAU, AK	99801			
*Note:							
The payload capacity of a ring with multiple nodes must be shared among those nodes.							

EXHIBIT GCI-7

				(a)		(b)	(c)	(d)	(e)	
circuit name				A location	Z location	"A" CLLI code	"Z" CLLI code	transport type	transport technology	capacity level
101	/OC48	/ANCRAXXH04	/ANCRAXXH03	Central	East	ANCRAXXH04	ANCRAXXH03	OC48	lit fiber	OC48
101	/OC12	/ANCRAXXH01	/ANCRAXXH01	East	North	ANCRAXXH01	ANCRAXXH01	OC12	lit fiber	OC12
101	/OC12	/ANCRAXXH02	/ANCRAXXH02	South	West	ANCRAXXH02	ANCRAXXH02	OC12	lit fiber	OC12
101	/OC48	/ANCRAXXH03	/ANCRAXXH03	South	West	ANCRAXXH03	ANCRAXXH03	OC48	lit fiber	OC48
101	/OC48	/FRBNAXXH01	/FRBNAXXH01	Globe	Greenwood	FRBNAXXH01	FRBNAXXH01	OC48	lit fiber	OC48
101	/OC48	/JUNEAKGH05	/JUNEAKXH01	Sterling	Main	JUNEAKGH05	JUNEAKXH01	OC48	lit fiber	OC48

EXHIBIT GCI-8

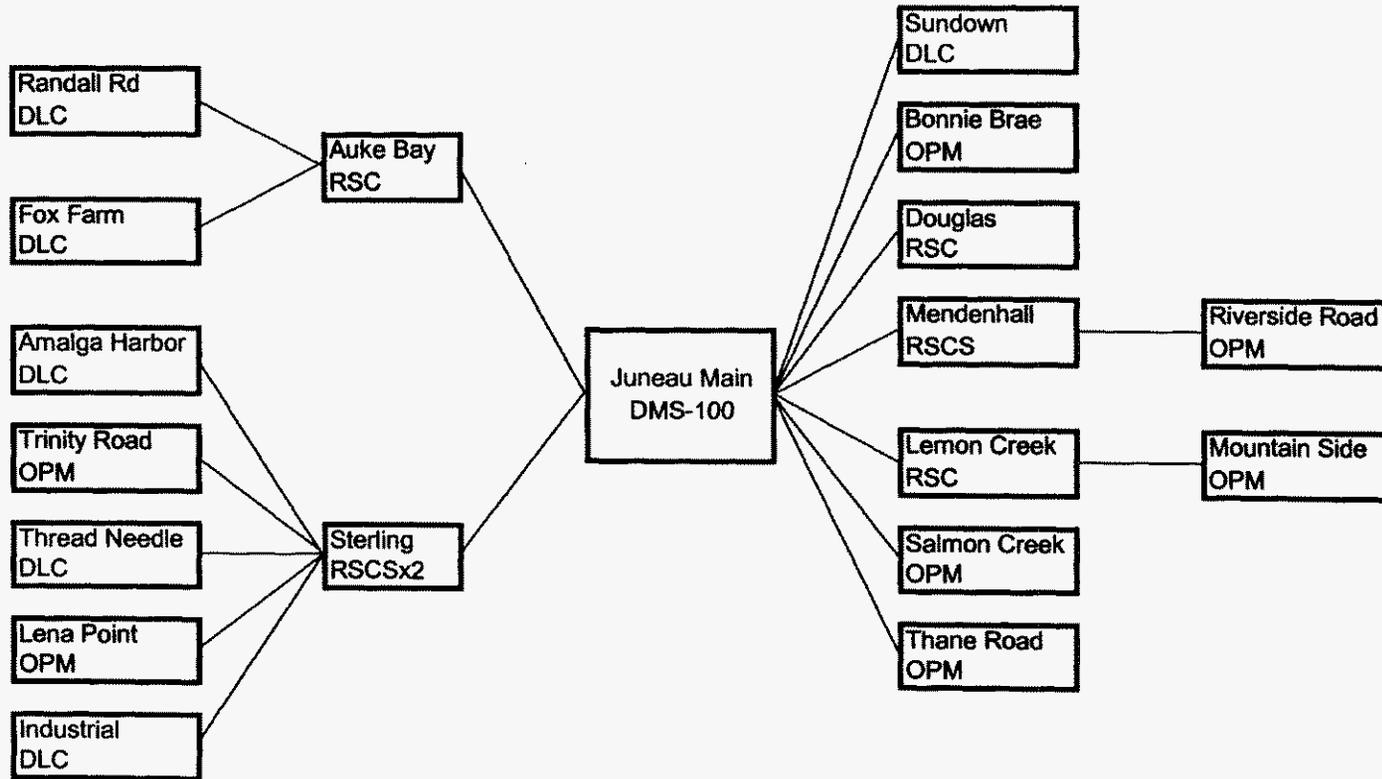
Address	Market	Dark Fiber	DS-3 Loops
3127 COMMERCIAL DR	ANCHORAGE	Y	Y
3601 C ST	ANCHORAGE	Y	Y
800 E DIMOND BLVD	ANCHORAGE	Y	N
3300 FAIRBANKS ST	ANCHORAGE	Y	Y
1551 LORE RD	ANCHORAGE	Y	Y
900 E BENSON	ANCHORAGE	Y	Y
700 G ST	ANCHORAGE	Y	Y
3211 PROVIDENCE DR	ANCHORAGE	Y	N
1815 S BRAGAW ST	ANCHORAGE	Y	N
6831 ARCTIC BLVD	ANCHORAGE	Y	Y
5900 E TUDOR RD	ANCHORAGE	Y	Y
550 W 7TH AVE	ANCHORAGE	Y	N
6689 SEAFOOD DRIVE	ANCHORAGE	Y	N
777 JUNEAU ST	ANCHORAGE	Y	Y
4000 CREDIT UNION DR	ANCHORAGE	Y	Y
4315 DIPLOMACY DR	ANCHORAGE	Y	N
301 W NORTHERN LIGHTS BLVD	ANCHORAGE	Y	N
5151 FAIRBANKS ST	ANCHORAGE	Y	N
5400 DAVIS HIGHWAY	ANCHORAGE	Y	N
211 W 92ND AVE	ANCHORAGE	Y	Y
4101 UNIVERSITY DR	ANCHORAGE	Y	N
2550 DENALI	ANCHORAGE	Y	Y
2800 C ST	ANCHORAGE	Y	Y
1753 GAMBLE ST	ANCHORAGE	Y	N
101 WEST 36TH AVE	ANCHORAGE	Y	N
919 W. 9TH AVENUE	ANCHORAGE	Y	N
4711 BUSINESS PARK BLVD - BLDG I	ANCHORAGE	Y	Y
3200 PROVIDENCE DR	ANCHORAGE	Y	Y
3900 C ST	ANCHORAGE	Y	Y
3900 DENALI	ANCHORAGE	Y	Y
7441 DEBARR ROAD	ANCHORAGE	Y	Y

Address	Market	Dark Fiber	DS-3 Loops
1309 E STREET	ANCHORAGE	Y	Y
MILE 3 O'MALLEY RD	ANCHORAGE	Y	N
4200 E DE ARMOUN RD	ANCHORAGE	Y	N
1200 E DIMOND BLVD	ANCHORAGE	Y	Y
3905 JEWEL LAKE RD	ANCHORAGE	Y	Y
200 E BLUFF RD	ANCHORAGE	Y	Y
GCI BUILDING	ANCHORAGE	Y	Y
6700 ARCTIC SPUR ROAD	ANCHORAGE	Y	Y
601 W. 5TH AVE	ANCHORAGE	Y	N
301 W. NORTHERN LIGHTS	ANCHORAGE	Y	N
3877 UNIVERSITY DR	ANCHORAGE	Y	N
5000 W. INTERNATIONAL DR	ANCHORAGE	Y	N
6411 A STREET	ANCHORAGE	Y	N
701 E. TUDOR	ANCHORAGE	Y	N
6050 ROCKWELL AVE	ANCHORAGE	Y	Y
3401 POSTMARK RD	ANCHORAGE	Y	N
5800 LOCKHEED AVENUE	ANCHORAGE	Y	N
509 W. 3RD AVENUE	ANCHORAGE	Y	N
1007 W. 32 AVENUE	ANCHORAGE	Y	N
440 E. BENSON BLVD	ANCHORAGE	Y	N
813 W. NORTHERN LIGHTS BLVD	ANCHORAGE	Y	N
2700 E. TUDOR ROAD	ANCHORAGE	Y	N
1602 HILLCREST DRIVE	ANCHORAGE	Y	N
440 E. 36TH AVENUE	ANCHORAGE	Y	N
3600 DENALI STREET	ANCHORAGE	Y	N
222 W. 7TH	ANCHORAGE	Y	Y
BLDG 10488 NECRASON AVE	ANCHORAGE	Y	Y
BLDG 10471 20TH STREET	ANCHORAGE	Y	N
2204 3RD STREET	ANCHORAGE	Y	N
BLDG 49000 FT RICHARDSON	ANCHORAGE	Y	N
BLDG 652 FT RICHARDSON	ANCHORAGE	Y	N
3501 MINNESOTA DR	ANCHORAGE	Y	N
321 E. 5TH	ANCHORAGE	Y	N
939 W. 5TH AVENUE	ANCHORAGE	Y	N
4301 CREDIT UNION DRIVE	ANCHORAGE	Y	N

Address	Market	Dark Fiber	DS-3 Loops
3811 MINNESOTA DR	ANCHORAGE	Y	N
2150 GAMBELL	ANCHORAGE	Y	N
433 EAGLE	ANCHORAGE	Y	N
4616 SPENARD RD	ANCHORAGE	Y	N
820 W. 7TH AVENUE	ANCHORAGE	Y	N
401 E. 6TH AVENUE	ANCHORAGE	Y	N
325 W. 8TH AVENUE	ANCHORAGE	Y	N
115 E. 3RD AVENUE	ANCHORAGE	Y	N
330 E STREET	ANCHORAGE	Y	N
630 W. 8TH AVENUE	ANCHORAGE	Y	N
1430 GAMBELL	ANCHORAGE	Y	N
1110 W. 8TH AVENUE	ANCHORAGE	Y	N
1200 N MULDOON RD	ANCHORAGE	Y	N
4540 SPENARD RD	ANCHORAGE	Y	N
111 W. SHIP CREEK AVENUE	ANCHORAGE	Y	N
700 E. DIMOND BLVD	ANCHORAGE	Y	N
4360 SPENARD RD	ANCHORAGE	Y	N
100 W. TUDOR	ANCHORAGE	Y	N
500 W. 3RD AVENUE	ANCHORAGE	Y	N
4411 SPENARD RD	ANCHORAGE	Y	N
1200 L STREET	ANCHORAGE	Y	N
3105 LAKESHORE DR	ANCHORAGE	Y	N
3009 LAKESHORE DR	ANCHORAGE	Y	N
4400 SPENARD RD	ANCHORAGE	Y	N
207 MULDOON RD	ANCHORAGE	Y	N
1025 E. 35TH AVENUE	ANCHORAGE	Y	N
510 K STREET	ANCHORAGE	Y	N
1000 E. 36TH AVENUE	ANCHORAGE	Y	N
5205 NORTHWOOD DR	ANCHORAGE	Y	N
4335 WISCONSIN ST	ANCHORAGE	Y	N
1300 VAN HORN RD	FAIRBANKS	Y	Y
2301 PEGER RD	FAIRBANKS	Y	Y
910 YUKON DR	FAIRBANKS	Y	Y
520 5TH AVE	FAIRBANKS	Y	Y

Address	Market	Dark Fiber	DS-3 Loops
610 CUSHMAN STREET	FAIRBANKS	Y	Y
925 UNIVERSITY AVE	FAIRBANKS	Y	Y
200 GAFFNEY RD	FAIRBANKS	Y	Y
1650 COWLES STREET	FAIRBANKS	Y	N
1170 CHENA HOT SPRINGS RD	FAIRBANKS	Y	Y
BLDG 3110	JUNEAU	Y	Y
333 WILLOUGHBY ST	JUNEAU	Y	Y
2354 MENDENHALL LOOP RD	JUNEAU	Y	Y
9225 CESSNA DR	JUNEAU	Y	Y
1580 THANE RD	JUNEAU	Y	Y
204 MAIN ST	JUNEAU	Y	Y
17103 LENA LOOP RD	JUNEAU	Y	Y
LARGE BUILDING BY BLDG 501	FT GREELEY	Y	Y

Juneau Network Diagram



GCI Collocation sites in yellow.

With Collocation at Juneau Main and Sterling, GCI does not have access to loops at locations in green.

Tindall