

BEFORE THE
WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION

IN THE MATTER OF THE CONTINUED)
COSTING AND PRICING OF UNBUNDLED) DOCKET NO. UT - 003013
NETWORK ELEMENTS, TRANSPORT,) PHASE B
TERMINATION, AND RESALE)

PHASE B DIRECT TESTIMONY OF

RUSSELL A. BYKERK

DIRECTOR-NETWORK PLANNING

ON BEHALF OF

VERIZON NORTHWEST, INC.

Formerly Known as GTE Northwest Incorporated

SUBJECT: LINE SHARING TECHNICAL ISSUES

AUGUST 4, 2000

TABLE OF CONTENTS

I. INTRODUCTION 1

II. VERIZON NW DEPLOYMENT OF FIBER-FED DLCS 2

1

I. INTRODUCTION

2

3 **Q. PLEASE STATE YOUR NAME, BUSINESS ADDRESS AND TITLE.**

4 A. My name is Russell A. Bykerk. My business address is 545 East John Carpenter Freeway, Irving,
5 Texas 75062. I am employed by Verizon as Director - Network Planning.

6

7 **ARE YOU THE SAME RUSSELL BYKERK WHO FILED TESTIMONY IN PHASE**
8 **A OF THIS PROCEEDING?**

9 Yes, I am.

10

11 **ON WHOSE BEHALF ARE YOU PRESENTING TESTIMONY IN THIS**
12 **PROCEEDING?**

13 I am presenting testimony on behalf of Verizon Northwest, Inc., which was formerly known
14 as GTE Northwest Incorporated. The company recently changed its name after the
15 closure of the merger between its parent company, GTE Corporation, and Bell
16 Atlantic Corporation. The merged company is named Verizon Communications.

17

18 **IN YOUR TESTIMONY HOW DO YOU USE THE TERMS "VERIZON NW" AND**
19 **"GTE"?**

20 My fellow witnesses and I use "Verizon NW" to refer to Verizon Northwest Inc., the
21 company that is a party to this proceeding and on whose behalf we are testifying. I
22 use "GTE" to refer to the former GTE companies, which are now part of the Verizon

1 Communications companies along with the former Bell Atlantic companies. This
2 will make clear that we are talking about cost studies and inputs that have been
3 developed by and for the GTE telephone operating companies and about those
4 companies' networks, operations, practices and procedures.

5

6 **WHAT IS THE PURPOSE OF YOUR PHASE B DIRECT TESTIMONY?**

7 A. The purpose of my Phase B direct testimony is to describe the status of Verizon
8 NW's plans for deployment of fiber-fed digital loop carrier ("DLC") systems.

9

10 **II. VERIZON NW DEPLOYMENT OF FIBER-FED DLCS**

11

12 **Q. DOES VERIZON NW PLAN TO DEPLOY FIBER-FED DLCS, WHICH**
13 **INCORPORATE COMBINATION LINE CARDS CAPABLE OF**
14 **INTERFACING WITH BOTH VOICE AND LINE SHARING SERVICES?**

15 A. Yes. Verizon NW plans to deploy this new technology once it has completed
16 technology tests, evaluated the results of those tests, and developed a method of
17 provisioning Asymmetric Digital Subscriber Line ("ADSL") data services from these
18 DLC systems. However, at this time these efforts are still under development. The
19 standard DLC vendors have not yet delivered all hardware and software necessary for
20 evaluation and testing. In the absence of successful testing and evaluation, site-
21 specific implementation or deployment plans have not been developed. In addition,
22 there are still issues related to the ownership of the fiber-fed DLC line cards. The

1 new line cards offer integrated Plain Old Telephone Service (“POTS”) and ADSL
2 functionality. Having both functions on the same card offers cost benefits, but clouds
3 the issue of asset allocation between Incumbent Local Exchange Carriers (“ILEC”)
4 and ADSL providers. Similarly, the Asynchronous Transfer Mode (“ATM”) based
5 Optical Concentration Devices that are part of the next generation DLC technology
6 introduce challenges to asset ownership guidelines. These ownership issues have
7 been presented to the FCC for resolution, but remain open. Until the FCC resolves
8 these issues, Verizon NW cannot move forward with developing its detailed
9 specifications for unbundled network elements (“UNEs”) related to fiber-fed DLCs.
10

11 **Q. DOES VERIZON NW HAVE A DEPLOYMENT SCHEDULE FOR**
12 **FIBER-FED DLC TECHNOLOGY?**

13 A. Given the open issues identified above, Verizon NW is unable to develop a
14 deployment schedule at this time. It is unlikely that any deployment would occur
15 prior to the fourth quarter of this year.

16

17 **Q. IS THERE ANY OTHER PARTY TO THIS PROCEEDING THAT**
18 **ADVOCATES DEFERRING THE COSTING AND PRICING LINE**
19 **SHARING WITH FIBER-FED DLCS UNTIL A LATER DATE?**

20 A. Yes. Witness Cabe representing Covad Communications Company and Rhythms
21 Links Inc. has stated in his direct testimony dated May 19, 2000 in Phase A of this
22 proceeding that “...it is premature to address the cost of line sharing through fiber fed

1 loops in Washington. Instead, I recommend that the Commission defer consideration
2 of this issue until it is ripe." (Cabe direct testimony, page 8) Witness Klick,
3 representing the same parties, repeated the same argument in his responsive direct
4 testimony dated July 21, 2000 at page 7, footnote 7.

5

6 **Q. DURING NEGOTIATIONS, HAS VERIZON NW DISCUSSED THE STATUS**
7 **OF ITS FIBER-FED DLC PLANS WITH CLECS?**

8 A. Yes.

9

10 **Q. DOES THIS CONCLUDE YOUR PHASE B DIRECT TESTIMONY?**

11 A. Yes.