

# **APPENDIX 16.1-1a – SAMPLE CALCULATIONS**

**1. SAMPLE BAND CALCULATION FOR UNBUNDLED RESOURCE UNITS—EXAMPLE 1.**

**Resource Unit:** Data Port

Monthly Baseline Volume (per Exhibit 16.1-1) =  $(157,155 \div 12) = 13,096$

90% Threshold for Data Port =  $90\% \times 13,096 = 11,787$

80% Threshold for Data Port =  $80\% \times 13,096 = 10,477$

70% Threshold for Data Port =  $70\% \times 13,096 = 9,167$

Actual Annual Volume in the Contract Year

(sample for purposes of this example) = 10,000

*Since the Actual Monthly Volume falls under the 90% Threshold for Data Port and above the 70% Threshold for Data Port, the band calculation must be applied. Further, since the Actual Monthly Volume falls between the 70% Threshold for Data Port and the 80% Threshold for Data Port the Actual Monthly Volume should be multiplied by the 70% -80% band set forth in Exhibit 16.1-1 to calculate the Monthly Service Charge for Data Port.*

Resource Unit Fee (sample for purposes of this example) = \$1

70% to 80% Band Resource Unit Fee (sample for purposes of this example) = \$1.05

Calculation:

(70% to 80% Band Resource Unit Fee times the Actual Monthly Volume)

=  $(\$1.05 \times 10,000)$

= \$10,500

**Monthly Service Fee for the Data Port** = \$10,500

**2. SAMPLE BAND CALCULATION FOR UNBUNDLED RESOURCE UNITS—EXAMPLE 2.**

**Resource Unit:** Data Port

Monthly Baseline Volume (per Exhibit 16.1-1) =  $(157,155 \div 12) = 13,096$

110% Threshold for Data Port =  $110\% \times 13,096 = 14,406$

120% Threshold for Data Port =  $120\% \times 13,096 = 15,715$

130% Threshold for Data Port =  $130\% \times 13,096 = 17,025$

Actual Annual Volume in the Contract Year (sample for purposes of this example) = 16,000

*Since the Actual Monthly Volume above the 110% Threshold for Data Port and under the 130% Threshold for Data Port, the band calculation must be applied. Further, since the Actual Monthly Volume falls between the 120% Threshold for Data Port and the 130% Threshold for Data Port the Actual Monthly Volume should be*

*multiplied by the 120% -130% band set forth in Exhibit 16.1-1 to calculate the Monthly Service Charge for Data Port.*

Resource Unit Fee (sample for purposes of this example) = \$1

120% to 130% Band Resource Unit Fee (sample for purposes of this example) = \$0.95

Calculation:

(120% to 130% Band Resource Unit Fee times the Actual Monthly Volume)  
= (\$0.95 x 16,000)  
= \$15,200

**Monthly Service Fee for the Data Port** = \$15,200

**3. SAMPLE CALCULATION FOR BUNDLED RESOURCE UNITS—EXAMPLE 1**

**Bundled Resource Units:** Voice Ports and Analog Drops (the B2 bundle per Exhibit 16.1-1)

Baseline Monthly Volume for Voice Jack—Single line

(per Exhibit 16.1-1) =  $(95,133 \div 12) = 7,928$

Baseline Monthly Volume for Voice Jack—Multi-line

(per Exhibit 16.1-1) =  $(153,404 \div 12) = 12,784$

Baseline Monthly Volume for Analog Drops

(per Exhibit 16.1-1) =  $(40,097 \div 12) = 3,341$

Bundled Baseline Monthly Volume for the B2 bundle:  $7,928 + 12,784 + 3,341 = 24,053$

110% Threshold for the B2 bundle =  $110\% \times 24,053 = 26,458$

Actual Monthly Volume for Voice Jack—Single line

(sample for purposes of this example) = 7,928

Actual Monthly Volume for Voice Jack—Multi-line

(sample for purposes of this example) = 12,784

Actual Monthly Volume for Analog Drops

(sample for purposes of this example) = 4,000

Bundled Actual Monthly Volume for the B2 bundle

(sample for purposes of this example) =  $7,928 + 12,784 + 4,000 = 24,712$

*Since the Bundled Actual Monthly Volume for the B2 bundle falls below the 110% Threshold for the B2 bundle, no ARC calculation will be applied even though the Actual Volume for Analog Drops was at 120% of the Baseline Volume for Analog Drops.*

**4. SAMPLE ARC/RRC TRUE-UP CALCULATION FOR BUNDLED RESOURCE UNITS**

**Bundled Resource Units:** Voice Ports and Analog Drops  
(the B2 bundle per Exhibit 16.1-1)

Baseline Monthly Volume for Voice Jack—Single line

(per Exhibit 16.1-1) =  $(95,133 \div 12) = 7,928$

Baseline Monthly Volume for Voice Jack—Multi-line

(per Exhibit 16.1-1) =  $(153,404 \div 12) = 12,784$

Baseline Monthly Volume for Analog Drops

(per Exhibit 16.1-1) =  $(40,097 \div 12) = 3,341$

Bundled Baseline Monthly Volume for the B2 bundle:

$7,928 + 12,784 + 3,341 = 24,053$

110% Threshold for the B2 bundle =  $110\% \times 24,053 = 26,458$

130% Threshold for the B2 bundle =  $130\% \times 24,053 = 31,269$

Actual Monthly Volume for Voice Jack—Single line

(sample for purposes of this example) = 9,500

Actual Monthly Volume for Voice Jack—Multi-line

(sample for purposes of this example) = 14,500

Actual Monthly Volume for Analog Drops

(sample for purposes of this example) = 3,000

Bundled Actual Monthly Volume for the B2 bundle

(sample for purposes of this example) =  $9,500 + 14,500 + 3,000 = 27,000$

*Since the Bundled Actual Monthly Volume for the B2 bundle falls between the 110% Threshold and the 130% Threshold for the B2 bundle, the banding in Exhibit 16.1-1 should be applied individually to each Resource Unit in the bundle.*

For the Voice Jack—Single line Resource Unit:

Baseline Monthly Volume (per Exhibit 16.1-1) =  $(95,133 \div 12) = 7,928$

110% Threshold for Voice Jack—Single line =  $110\% \times 7,928 = 8,721$

120% Threshold for Voice Jack—Single line =  $120\% \times 7,928 = 9,514$

130% Threshold for Voice Jack—Single line =  $130\% \times 7,928 = 10,306$

Actual Monthly Volume (sample for purposes of this example) = 9,500

*Since the Actual Annual Volume falls above the 110% Threshold and between the 110% Threshold and the 120% Threshold, a banding calculation must be applied.*

Resource Unit Fee (sample for purposes of this example) = \$2

110% to 120% Band Resource Unit Fee

(sample for purposes of this example) = \$1.95

Calculation:

(110% to 120% Band Resource Unit Fee times the Actual Monthly Volume)

=  $(\$1.95 \times 9,500)$

= \$18,525

**Monthly Service Fee for Voice Jack—Single line** = \$18,525

**For the Voice Jack—Multi-line Resource Unit:**

Baseline Monthly Volume (per Exhibit 16.1-1) =  $(153,404 \div 12) = 12,784$   
110% Threshold for Voice Jack—Multi-line =  $110\% \times 12,784 = 14,062$   
120% Threshold for Voice Jack—Multi-line =  $120\% \times 12,784 = 15,341$   
130% Threshold for Voice Jack—Multi-line =  $130\% \times 12,784 = 16,619$

Actual Monthly Volume (sample for purposes of this example) = 14,500

*Since the Actual Annual Volume falls above the 110% Threshold and between the 110% Threshold and the 120% Threshold, a banding calculation must be applied.*

Resource Unit Fee (sample for purposes of this example) = \$3  
110% to 120% Band Resource Unit Fee  
(sample for purposes of this example) = \$2.90

**Calculation:**

(110% to 120% Band Resource Unit Fee times the Actual Monthly Volume)  
=  $(\$2.90 \times 14,500)$   
= \$42,050

**Monthly Service Fee for Voice Jack—Multi-line** = \$42,050

**For the Analog Drop Resource Unit:**

Baseline Monthly Volume (per Exhibit 16.1-1) =  $(40,097 \div 12) = 3,341$   
90% Threshold for Analog Drop =  $110\% \times 3,341 = 3,007$   
80% Threshold for Analog Drop =  $120\% \times 3,341 = 2,673$   
70% Threshold for Analog Drop =  $130\% \times 3,341 = 2,339$

Actual Monthly Volume (sample for purposes of this example) = 3,000

*Since the Actual Monthly Volume falls below the 90% Threshold and between the 80% Threshold and the 90% Threshold, a banding calculation must be applied.*

Resource Unit Fee (sample for purposes of this example) = \$1  
80% to 90% Resource Unit Fee (sample for purposes of this example) = \$1.02

**Calculation:**

(80% to 90% Band Resource Unit Fee times the Actual Monthly Volume)  
=  $(\$1.02 \times 3,000)$

= \$3,060

**Monthly Service Fee for Analog Drop** = \$3,060

**Total Monthly Services Fee for the B2 Bundled Resource Units** = \$18,525 +  
\$42,050 + \$3,060  
= \$63,635

**END OF SCHEDULE**