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ALLTEL New York, Inc.

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SECTION 12 - INTRALATA TOLL MESSAGE TELECOMMUNICATIONS SERVICE

C. BASIS FOR ESTABLISHING RATES (Continued)

- 3. Determination of Air Line Mileages (Continued)
 - b. Example calculation.

The message rate distance is required between Fulton, New York and Munnsville, New York.

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Step (1)	Fulton Coordinates	4774	2059
	Munnsville Coordinates	<u>4758</u>	<u>1908</u>
Step (2)	Difference	16	151
Step (3)	Dividing each difference by three and rounding to nearer integer $= 5 \ \text{and} \ 50$		
Step (4)	Squaring integers and adding,		
		5 x 5 =	= 25
		50 x 50 =	= <u>2500</u>
	Sum of squared integers		2525

Note that the sum of integers is greater than 1777 so a) divide integers in Step (3) by three and b) repeat Step (4):

a) Dividing integers in 3. by three and rounding = 2 and 17.

b) Squaring integers and adding
$$2 \times 2 = 4$$

 $17 \times 17 = 289$
Sum of squared integers 293

Step (5) The sum of the squared integers is less than 1778 and was obtained after two successive divisions by three; therefore "N" = 2.

Step (6) Square root of 2373.3 = 48.72 which is rounded to 49 miles (fractional miles being considered full miles). The 49 miles is larger than the minimum of 41 rate miles applicable when "N" = 2 so the message rate mileage is 49 miles.

Issued by: Vice President, State Government Affairs, Little Rock, Arkansas