Talk America Inc.
d/b/a Cavalier Telephone
d/b/a PAETEC Business Services
NY PSC No. 1 Telephone

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Superseding Revision

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COMPETITIVE TELECOMMUNICATIONS SERVICE TARIFF

SECTION 3 - DESCRIPTION OF SERVICE AND RATES, (Cont'd.)

3.3   Calculation of Distance

Usage charges for all mileage sensitive products are based on the airline distance between the serving wire center locations associated with the originating and terminating points of the call.

The distance between the originating and terminating points is calculated by using the "V" and "H" coordinates of the serving wire centers as defined by TelCordia, in the following manner:

Step 1   Obtain the "V" and "H" coordinates for the serving wire center of the Customer's switch and the destination point.

Step 2   Obtain the difference between the "V" coordinates of each of the serving wire centers. Obtain the difference between the "H" coordinates.

Step 3   Square the differences obtained in Step 2.

Step 4   Add the squares of the "V" difference and "H" difference obtained in Step 3.

Step 5   Divide the sum of the square obtained in Step 4 by ten (10) . Round to the next higher whole number if any fraction results from the division.

Step 6   Obtain the square root of the whole number obtained in Step 5. Round to the next higher whole number if any fraction is obtained. This is the distance between the originating and terminating serving wire centers of the call.

Formula:

$$\sqrt{\frac{(V_1 - V_2)^2 + (H_1 - H_2)^2}{10}}$$

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