Calculation of Distance

Usage charges for all mileage sensitive services are based on the airline distance between the rate 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 industry-standard "V" and "H" coordinates of the applicable rate centers in the following manner:
Step 1 - Obtain the "V" and "H" coordinates for the rate center of the originating and the destination points.

Step 2 - Obtain the difference between the "V" coordinates of each of the rate 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 rate centers of the call.

Formula:

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