## SECTION 4 - REGIONAL TOLLUSAGE AND MILEAGE (CONT'D.)

4.4 Regulations and Computation of Mileage (Cont'd.)

### 4.4.3 Calculation of Mileage

Usage charges for all mileage sensitive products are based on the airline distance between serving wire centers associated with the originating and terminating points of the call. The serving wire centers of a call are determined by the area codes and exchanges of the origination and destination points.

Airline mileage, where mileage is the basis for rating calls, is obtained by using the "V" and " H " coordinates assigned to each rate center and contained in NECA FCC Tariff No. 4 or successor tariffs. To determine the airline distance between any two locations, proceed as follows:

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 Rate Centers. Obtain the Difference between the " H " coordinates.

Step 3: $\quad$ 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: $\quad$ 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:

$$
\sqrt{\frac{\left|V_{1}-V_{2}\right|^{2}+\left|H_{1}-H_{2}\right|^{2}}{10}}
$$

