

TERMS & CONDITIONS DOCUMENT

Section 13 - Measurement of Service

13.1 Rates Based Upon Distance

Where the charges for service are specified based upon distance, the following applies:

13.1.1 Distance between two points is measured as airline distance between the wire centers of the originating and terminating telephone lines. The wire center is a set of geographic coordinates, as referenced in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4, associated with each NPA-NXX combination (where NPA is the area code and NXX is the first three digits of a seven-digit telephone number). Except that, until the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4 is revised to include certain Company wire centers, the airline distance will be determined utilizing the applicable "V" (vertical) and "H" (horizontal) coordinates on an individual case basis.

13.1.2 The airline distance between any two wire centers is determined as follows:

- (A) Obtain the "V" and "H" coordinates for each wire center from the above-referenced NECA tariff.
- (B) Compute the difference between the "V" coordinates of the two wire centers; and the difference between the two "H" coordinates.
- (C) Square each difference obtained in step (2) above.
- (D) Add the square of the "V" difference and the square of the "H" difference obtained in step (3).
- (E) Divide the sum of the squares by 10. Round to the next higher whole number if any fraction is obtained.
- (F) Obtain the square root of the whole number result obtained above. Round to the next higher whole number if any fraction is obtained. This is the airline mileage.
- (G) Formula:

square root of $(1/10 \text{ times } (V1 - V2)^2 + (H1 - H2)^2)$