Matrix Telecom, LLC   Leaf: 59
d/b/a Trinsic Communications   Revision: 0
PSC No. 1 – Telephone   Superseding Revision:
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LOCAL EXCHANGE SERVICES

SECTION 4 – TOLL SERVICES, (CONT'D.)

4.1   Description of Services, (Cont'd.)

4.1.2   Calculation of Distance

Usage charges for all mileage sensitive products are based on the airline distance rate centers associated with the originating and terminating points of the call.

The airline mileage between rate centers is determined by applying the formula below to the vertical and horizontal coordinates associated with the rate centers involved. The Company uses the rate centers and associated vertical and horizontal coordinates that are produced by Bell Communications Research in their NPA-NXX V & H Coordinates Tape and Bell's NECA Tariff No. 4.

Formula:

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

EXAMPLE: Distance between Miami and New York City -

VH		
Miami	8,351	529
New York	4,997	1,406
Difference	3,354	-879
Square and add:	11,249,316 + 772,641	= 12,021,196
Divide by 10 and round:	12,021,597 / 10	= 1,202,195.70
		= 1,202,196
Take square root and round:	1,202,196	= 1,096.4
		= 1,097 miles

Issued By:

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