

EX PARTE OR LATE FILED



Richard N. Clarke

Room 5462C2
295 North Maple Avenue
Basking Ridge, New Jersey 07920
(908) 221-8685

February 13, 1998

Ms. Magalie Roman Salas
Secretary
Federal Communications Commission
1919 M. St., NW, Room 222
Washington, D.C. 20554

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FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

RE: Ex Parte Presentation – Proxy Cost Models
CC Docket No. 96-45

Dear Ms. Salas:

Attached, please find several items of information about the HAI Model, v5.0a that have been requested by the Commission staff.

1. A letter from Metromail has been attached indicating the cost that would be incurred by the Commission or the Universal Service Fund Administrator to secure use of Metromail's National Consumer Database for developing a telecommunications cost model. This letter also indicates that PNR represents a de minimis portion of Metromail's annual business.
2. Several viewgraph charts that indicate schematically how the HAI Model, v5.0a determines distribution cable lengths in both main cluster and outlier cluster situations.
3. A diskette containing revised copies of the HAI Model's "master.xls" and "R50a_switching_io.xls" files. The VBA code in "master.xls" file has been revised to correct for a situation, that had been noted by the Commission staff, that certain companies with a large number of wire centers per tandem (over 100) were generating extremely high interoffice transport costs. Cell B2 of the "wire center investment" worksheet of the "R50a_switching_io.xls" file has been adjusted to correct for the inadvertent omission of the maximum switch lines limit term from the equation. This latter adjustment has no likely effect on universal service fund costs.

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List ABCDE

Two copies of this Notice are being submitted to the Secretary of the FCC in accordance with Section 1.1206(a)(1) of the Commission's rules. A copy of the diskette is being filed with ITS.

Sincerely,

Richard N. Clarke /ha
Richard N. Clarke

Attachments

cc: S. Todd
R. Loube
C. Keller
N. Wales



METROMAIL

200 Madison Avenue
New York, New York 10016-3903
Telephone: 212.532.2299

February 13, 1998

Ms. Christine Antis
PNR and Associates Inc.
101 Greenwood Avenue
Suite 502
Jenkintown, Pennsylvania 19046

Dear Chris:

As a follow up to our telephone conversation, I wanted to respond to your request for a quote on the use of a portion of Metromail's National Consumer Database (NCDB®) for analytical purposes only. Specifically, your request was for the use of Metromail's Spatially Locatable Addresses to support analytical work related to the telecommunication industry. Based on this application, the annual cost would be \$100,000-\$150,000 based upon the frequency of updates required. Updates can be provided semi-annually, quarterly, monthly, or bi-weekly based upon the needs of your client.

Secondly, to confirm our other conversation, the total business relationship of PNR represents less than 1% of Metromail's total revenue. Metromail reported sales for 1997 of \$340 million.

If you have any other questions or would like to discuss the prices further, please call me at (215) 230-3665.

Sincerely,



Glenn Hudock
Consumer Marketing Executive
EnComm Group

Main Cluster: Backbone and Branch Cable Calculations

Assume:

Area of distribution area = A

Aspect (H/W) ratio of area = r

Width of distribution area = $(A/r)^{1/2}$

Height of distribution area = $(Ar)^{1/2}$

Number of customer locations = N

Lot depth to width ratio = 2:1

Then:

Area per location = $A/N = x \cdot 2x = 2x^2$

(where x =lot width, and $2x$ =lot depth)

Lot width = $(A/2N)^{1/2}$

Lot depth = $(2A/N)^{1/2}$



Thus:

Backbone cable length = $(Ar)^{1/2} - 4x$

$2 \times$ Branch cable length = $(A/r)^{1/2} - 2x$

Outlier Cluster: 1 and 2 Location Subscriber Road Cable Calculations

1 Customer Location

**No subscriber road cable
calculations:**

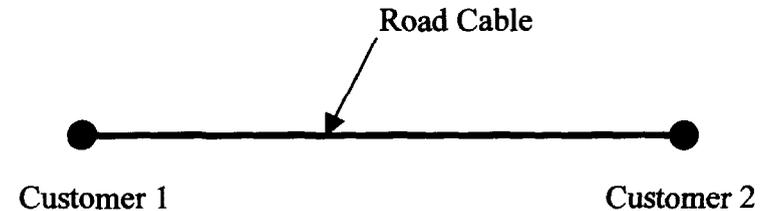
Single customer location is at centroid
of cluster



2 Customer Locations

Subscriber road cable calculations:

Single subscriber road cable with length
to link the 2 customer locations



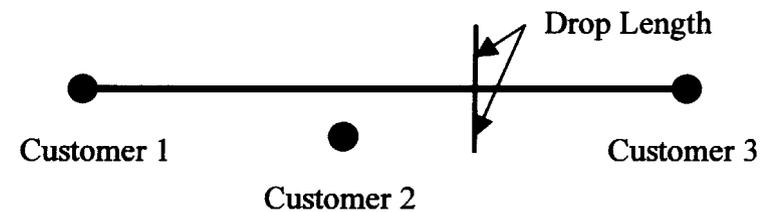
Outlier Cluster: 3 Location Subscriber Road Cable Calculations

3 Customer Locations

Two Situations:

A) All customers are within ± 1 drop length of being colinear

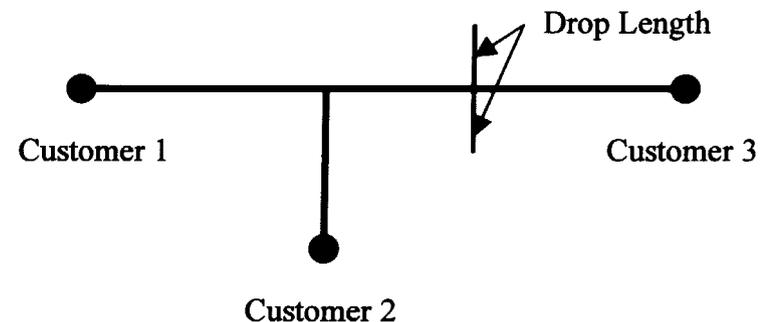
Single subscriber road cable length is distance between two locations farthest from each other (major axis of the cluster). Customer 2 is served by drop wire off of road cable.



B) Customers are not within ± 1 drop length of being colinear

Primary subscriber road cable length is the distance of the major axis of the cluster.

Secondary subscriber road cable is a spur of primary with a length equal to the minor axis (less 1 drop length) of the cluster.



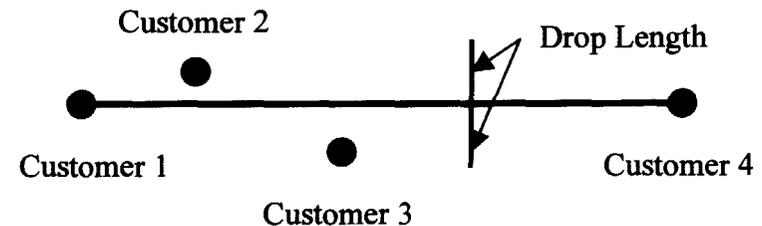
Outlier Cluster: 4 Location Subscriber Road Cable Calculations

4 Customer Locations

Three Situations:

A) All customers are within ± 1 drop length of being colinear

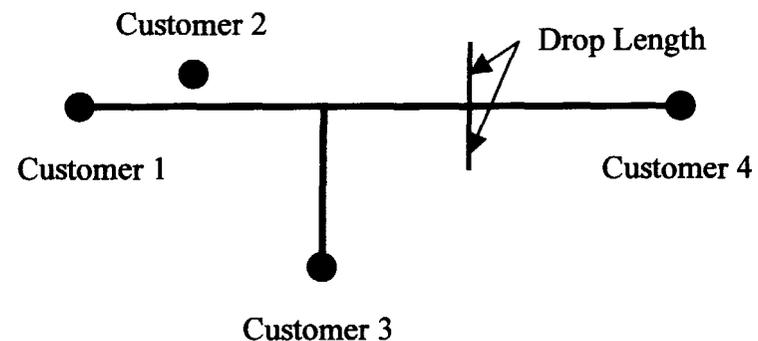
Single subscriber road cable length is distance between two locations farthest from each other (major axis of the cluster). Customers 2 and 3 are served by drop wire off of road cable.



B) Three customers within ± 1 drop length of being colinear

Primary subscriber road cable length is the distance of the major axis of the cluster.

Secondary subscriber road cable is a spur of primary with a length equal to the minor axis (less 1 drop length) of the cluster.

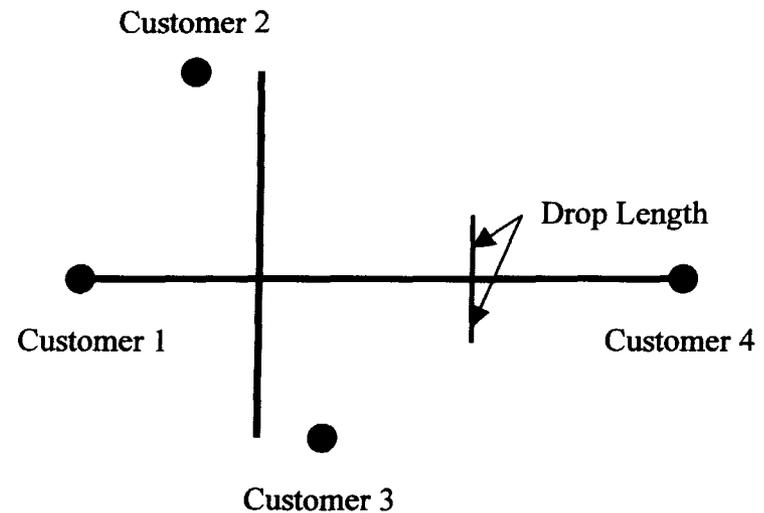


Outlier Cluster: 4 Location Subscriber Road Cable Calculations

4 Customer Locations

C) Primary subscriber road cable length is the distance of the major axis of the cluster.

Secondary subscriber road cables is modeled as a single length of cable off of (or crossing) the primary cable with a total length equal to the minor axis of the cluster (less 2 drop lengths).



DOCUMENT OFF-LINE

This page has been substituted for one of the following:

- o An oversize page or document (such as a map) which was too large to be scanned into the RIPS system.
- o Microfilm, microform, certain photographs or videotape.
- ✓ Other materials which, for one reason or another, could not be scanned into the RIPS system.

The actual document, page(s) or materials may be reviewed by contacting an Information Technician. Please note the applicable docket or rulemaking number, document type and any other relevant information about the document in order to ensure speedy retrieval by the Information Technician.

One diskette.