BIDDER'S AUTHORIZED EXPEDITOR

Jim McIlhon
Regional Vice President
18311 W. 10 Mile Rd.
Suite #200
Southfield, MI 48075
(800) 662-3491

ADDITIONAL INFORMATION AND COMMENTS

Willingness to Provide Services to Employees and to Members

Arch will provide services to program members as outlined in "STATE ATTACHMENT B" of the NON – STATE AGENCY STATEMENT. Arch will continue to provide discounts to all State of Michigan Employees. The cost will be:

EMPLOYEE PROGRAMS

Numeric - Statewide

Diva Plus:	$35.00 plus $10.00 activation fee
Motorola LS350:	$38.00 plus $10.00 activation fee
Airtime:	$5.95 per month / per pager
Maintenance:	$1.00 per month / per pager

** Refurbished numeric equipment available on a limited basis for $25.00*

Alphanumeric - Statewide

Wordline FLX:	$79.00 plus $10.00 activation fee
Motorola Gold / FLX:	$109.95 plus $10.00 activation fee
Motorola Elite / FLX:	$129.95 plus $10.00 activation fee
Airtime:	$8.95 per month / per pager
Maintenance:	$2.00 per month / per pager

* *Excludes Federal Universal Service Fee and Administration Fees*

ADDITIONAL INFORMATION

Arch is currently providing numeric display pagers that provide coverage in both the lower and upper peninsula with one phone number for the lower peninsula and one phone number for the upper peninsula with a dual frequency pager. There is no other service that covers this extensive an area in one pager. Motorola has stopped production of this pager. Arch is no longer putting new units in service on this frequency. We will attempt to continue to support the units in service in the field as long as possible. The price for this service is $29.95 per month, per pager.

Arch Paging, Inc. ("Arch")
Response to Request for Proposal (the "RFP") to Provide Paging Services
State of Michigan (the "State")

Arch agrees with the provisions of the RFP apart from the following provisions, which, as noted, require some clarification. Arch respectfully requests that its responses, to the extent possible, are to be kept confidential and that any information contained therein maintains its proprietary nature. Arch understands that any final contract between the parties shall be based on terms negotiated to the mutual satisfaction of the parties.

Article 7.
Samples
Arch agrees with this provision, although respectfully requests that the State return all samples in good condition.

Article 16.
Inspection
Arch agrees with this provision, although respectfully requests that the State return all rejected goods within five (5) days of the initial inspection.

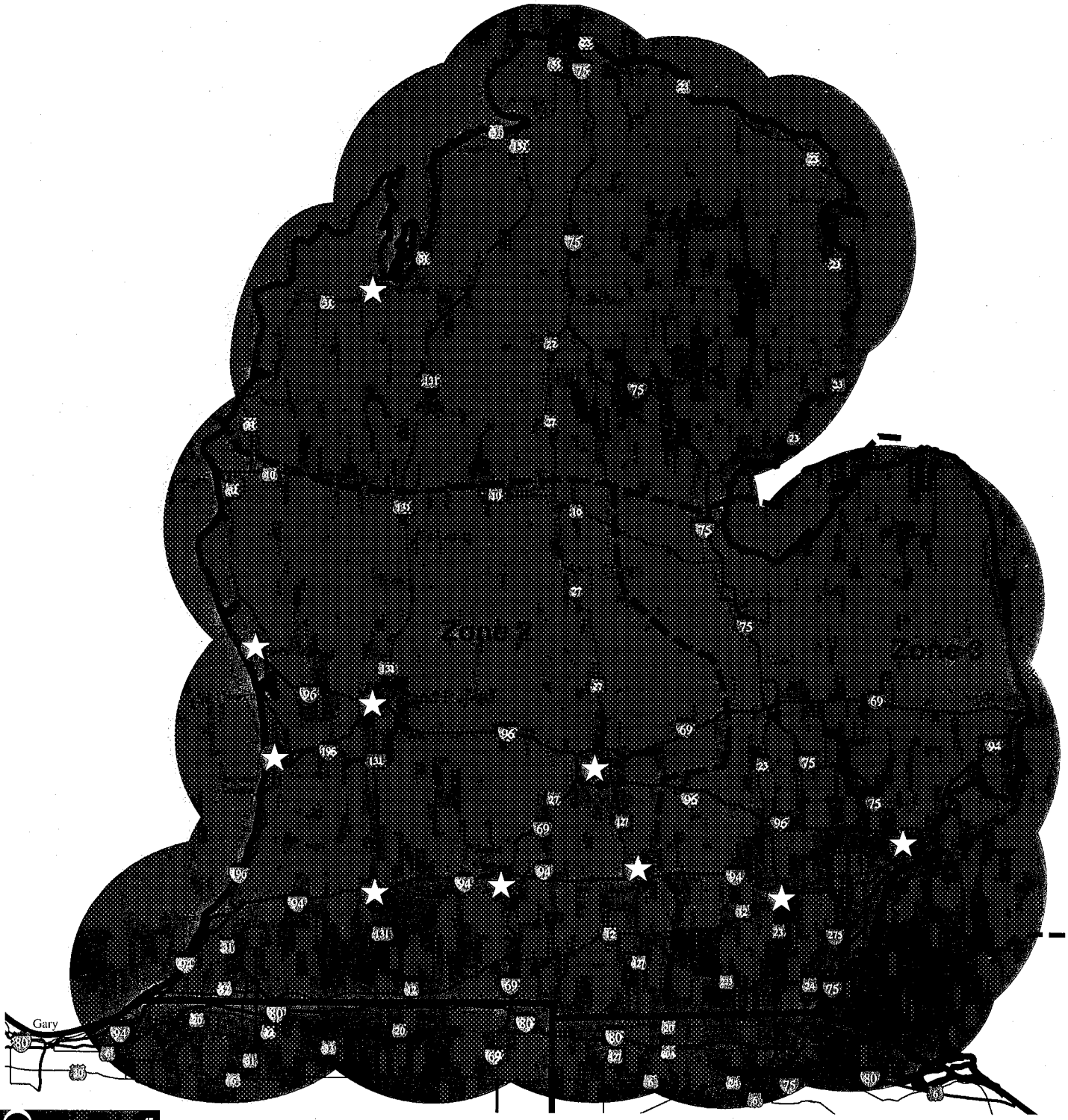
Please note: **Arch's pricing contained in this bid is expressly contingent upon the following:**

(A) In recognition that facilities interruptions in the telecommunications industry are frequently due to circumstances beyond a carrier's control and difficult to assess as to cause or resulting damages, and in recognition that the State is better positioned to ensure against any such damage, Arch respectfully propose that the parties agree that the Arch's liability damages arising out of mistakes, omissions, interruptions, delays, errors or defects in transmission shall not exceed the actual resulting loss and shall in no event exceed an amount equivalent to the proportionate charge to the University for the period of the service disruption.

(B) THE PARTIES SHALL NOT BE LIABLE FOR INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY DESCRIPTION ARISING FROM ANY BREACH UNDER THE AGREEMENT OR FROM ANY ACT OR OMISSION RELATING THERETO, REGARDLESS OF CAUSE THEREFOR.

(C) ARCH MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, CONCERNING ITS EQUIPMENT, FACILITIES, SYSTEM OR SERVICES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE, WHICH ARCH SPECIFICALLY DISCLAIMS.

ATTACHMENT "A"



A more personal paging company

From the Straights of Mackinaw to Toledo, OH and South Bend, IN, Arch Paging always comes through. Our statewide system offers Michigan's most complete, satellite-controlled paging service. We offer several coverage plans to suit your needs. So whether you choose local, regional or nationwide coverage, you can count on reliable, affordable service.

Coverage areas are subject to minor signal variations due to topographical conditions, coverage plan and frequencies issued.

Office Locations

Battle Creek	**Detroit**	**Grand Rapids**
Holland	**Jackson**	**Kalamazoo**
Lansing	**Muskegon**	**Traverse City**

SEE REVERSE FOR OFFICE PHONE NUMBERS AND ADDRESSES

Arch PAGING

Enhanced Service Features

Custom Greeting - Customers may greet their calling parties with a personal message.

Voice Mail - This service acts as an inexpensive 24-hour answering service by answering calls with your customized greeting, recording caller's messages word for word, and then alerting you as soon as your message is received. Just simply retrieve your message from any touch tone phone in the world! There are four different packages to suit your needs:

Package	No. of Messages	Retention Time	Message Length
Economy	10	12 hours	20 seconds
Standard	10	24 hours	20 seconds
Premium	15	24 hours	60 seconds
Business Premium	20	72 hours	60 seconds

Page Until Pick-Up - To be used in conjunction with voice mail. Once a message has been left in the voice mail box, the pager will continue to be notified every 20 minutes up to one hour or until the message has been retrieved.

Digital Message Retrieval - Great option for those who occasionally travel outside their coverage region. Your last 15 digital messages can be retrieved by calling your pager from any "touch-tone" phone in the world.

Pager Maintenance - In the event the pager stops working, with this protection the pager will be replaced. This does not cover loss or units damaged beyond repair.

Waiver of Liability "WOL" - A leased pager may be protected against loss or damage with the customer responsible for a small deductible.

Additional Phone Numbers - This feature gives you the convenience of having additional numbers on one pager.

Datacast Alpha Services - Keep up to date with news, weather, stock, sports and lottery. Your pager is updated two to three times daily indicating various updates. You are informed promptly, each and every day.

Office Locations

Battle Creek
32 E Michigan Mall
(616) 968-6151
(800) 968-7712

Detroit / Troy
530 Stephenson Hwy
(248) 583-3120
(800) 222-6619

Grand Rapids
21 Ionia NW
(616) 456-5000
(800) 968-8885

Grand Rapids
921 28th St.
(616) 456-5000
(800) 968-8885

Holland
12465 James St.
(616) 786-0411
(800) 968-7077

Jackson
765 W Franklin
(517) 787-7710
(800) 968-7710

Kalamazoo
3015 - A Oakland Dr
(616) 345-7181
(800) 442-5160

Lansing
3000 Michigan Ave
(517) 333-8525
(800) 879-9056

Muskegon
3089 Henry St
(616) 737-7243
(888) 807-1760

Traverse City
502 W 14th St
(231) 929-4747
(800) 337-5191

ATTACHMENT "B"

NON-STATE AGENCY STATEMENT

Act 431 of the Public Acts of 1984 permits the State of Michigan, Department of Management and Budget, to provide purchasing services to any city, village, county, township, school district, intermediate school district, non-profit hospital, institution of higher education, community, or junior college. As a result of the enactment of this legislation, the Extended Purchasing Program has been developed. This program extends the use of state BPOs to program members. The governmental agency must enter into an agreement with the State of Michigan to become authorized to participate, thus ensuring that local units of government secure a greater return for the expenditure of public funds. It is the policy of the Office of Purchasing, Department of Management and Budget, that the final approval to utilize any such BPO in this manner must come from the BPO vendor.

In such cases, BPO vendors supply merchandise at the established State of Michigan BPO prices and terms. Inasmuch as these are non-state agencies, all purchase orders will be submitted by, invoices will be billed to, and payment will be remitted by the authorized Extended Purchasing member on a direct and individual basis in accordance with BPO terms.

Therefore, it is required that all bidders indicate, by checking the appropriate box below, whether they will (first box) or will not (second box) honor orders on any BPO resulting from this ITB from State of Michigan authorized Extended Purchasing members. It is the responsibility of the contractor to ensure the non-state agency is an authorized Extended Purchasing member prior to extending the state BPO price.

BIDDER MUST CHECK ONE BOX BELOW

[✓] Commodities and/or services on this ITB will be supplied to the State of Michigan and authorized Extended Purchasing program members in accordance with the terms and prices quoted. A complete listing of eligible participants in the Extended Purchasing Program will be provided if this option is selected.

[ ] Commodities and/or services on the ITB will not be supplied to the State of Michigan's authorized Extended Purchasing members. We will only supply to the State of Michigan departments and agencies.

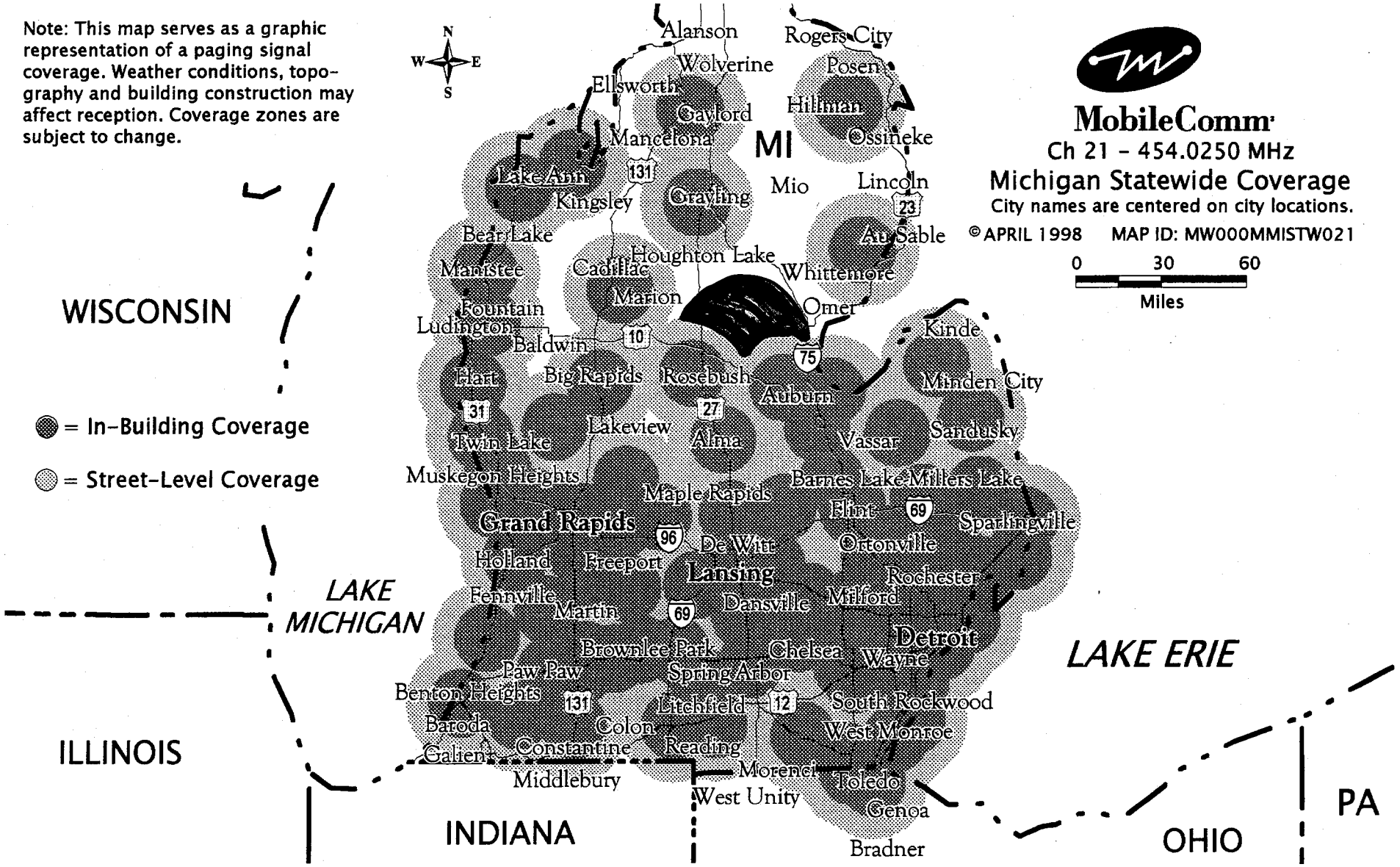
ARCH PAGING
Vendor Name

VANCE HILLS
Authorized Agent Name (print or type)

Vance Hills
Authorized Agent Signature

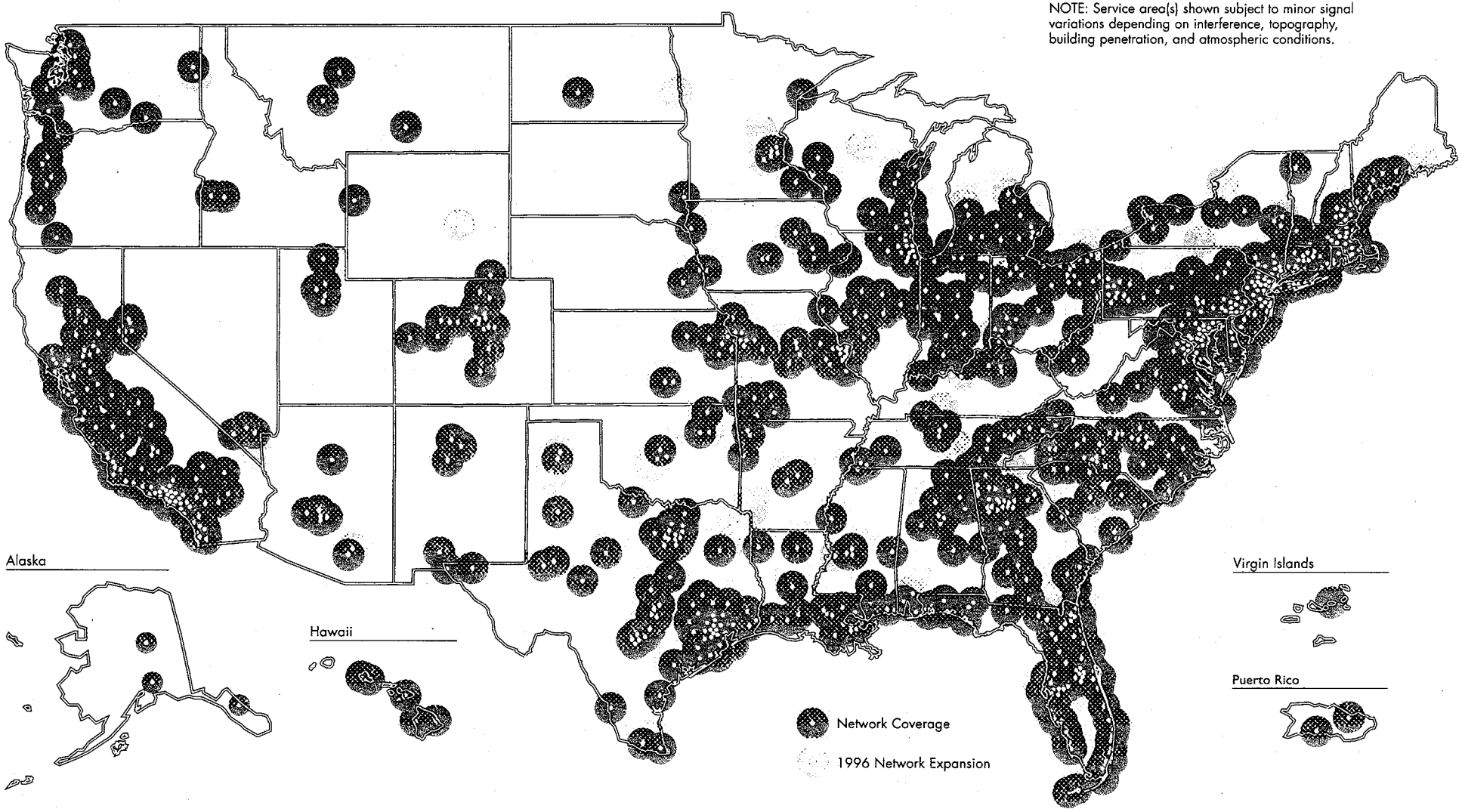
ATTACHMENT "C"

Note: This map serves as a graphic representation of a paging signal coverage. Weather conditions, topography and building construction may affect reception. Coverage zones are subject to change.



MobileComm
Ch 21 - 454.0250 MHz
Michigan Statewide Coverage
City names are centered on city locations.
©APRIL 1998 MAP ID: MW000MMISTW021
0 30 60
Miles

nationwide messaging



network 929.5375

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nationwide messaging

UNITED STATES

Alabama
Birmingham
Dothan*
Gadsden
Huntsville
Mobile
Montgomery
Tuscaloosa

Alaska
Anchorage
Fairbanks
Juneau

Arizona
Chandler
Flagstaff
Glendale
Mesa
Peoria
Phoenix
Scottsdale
Tempe
Tucson

Arkansas
Fayetteville
Fort Smith
Little Rock
North Little Rock

California
Alameda
Alhambra
Altadena
Anaheim
Antioch
Apple Valley
Arcadia
Arden-Arcade
Azusa
Bakersfield
Baldwin Park
Bell Gardens
Bellflower
Berkeley
Buena Park
Burbank
Camarillo
Carlsbad
Carmichael
Carson
Castro Valley
Cerritos
Chico
Chino
Chula Vista
Citrus Heights
Clovis
Colton
Compton
Concord
Corona
Costa Mesa
Covina
Cupertino
Cypress
Daly City
Davis
Diamond Bar
Downey
East Los Angeles
El Monte
El Toro
Encinitas
Escondido
Fairfield
Florence-Graham
Fontana
Fountain Valley
Fremont
Fresno
Fullerton
Gardena
Garden Grove
Glendale
Glendora
Hacienda Heights
Hawthorne
Hayward
Hesperia
Huntington Beach
Huntington Park
Inglewood
Irvine
Laguna Hills
Laguna Niguel
La Habra
Lakewood
La Mesa
La Mirada
Lancaster
Livermore
Lodi
Long Beach
Los Angeles
Lynwood
Manteca
Merced
Milpitas
Mission Viejo
Modesto
Montebello
Monterey Park
Moreno Valley
Mountain View
Napa
National City
Newport Beach
North Highlands
Norwalk
Novato
Oakland
Oceanside
Ontario
Orange
Oxnard
Palmdale
Palm Springs
Palo Alto
Paramount
Pasadena
Petaluma
Pico Rivera
Pittsburg
Placentia
Pleasanton
Pomona
Poway
Rancho Cordova
Rancho Cucamonga
Rancho Palos Verdes
Redding
Redlands
Redondo Beach
Redwood City
Rialto
Richmond
Riverside
Rosemead
Roseville
Rowland Heights
Sacramento
Salinas
San Bernardino
San Buenaventura (Ventura)
San Diego
San Francisco
San Jose
San Leandro
San Luis Obispo
San Mateo
San Rafael
Santa Ana
Santa Barbara
Santa Clara
Santa Clarita
Santa Cruz
Santa Maria
Santa Monica
Santa Rosa
Santee
Simi Valley
South Gate
South Lake Tahoe
South San Francisco
South Whittier
Spring Valley
Stockton
Sunnyvale
Thousand Oaks
Torrance
Turlock
Tustin
Union City
Upland
Vacaville
Vallejo
Ventura
Victorville
Vista
Walnut Creek
West Covina
Westminster
Whittier
Yorba Linda

Colorado
Arvada
Aspen
Aurora
Boulder
Breckenridge
Colorado Springs
Denver
Fort Collins
Greeley
Lakewood
Longmont
Pueblo
Southglenn
Thornton
Vail
Westminster

Connecticut
Bridgeport
Bristol
Danbury
East Hartford
Hamden
Hartford
Manchester
Meriden
Middletown
Milford
New Britain
New Haven
Norwalk
Stamford
Stratford
Torrington
Waterbury
West Hartford
West Haven

Delaware
Dover
Wilmington

District of Columbia

Florida
Boca Raton
Boynton Beach
Bradenton
Brandon
Cape Coral
Carol City
Clearwater
Coral Gables
Coral Springs
Crestview
Davie
Daytona Beach
Deerfield Beach
Delray Beach
Deltona
Fort Lauderdale
Fort Myers
Fort Pierce
Fort Walton Beach
Gainesville
Hialeah
Hollywood
Jacksonville
Kendale Lakes
Kendall
Key Largo
Key West
Kissimmee
Lakeland
Largo
Lauderhill
Margate
Melbourne
Miami
Miami Beach
Milton
Miramar
Naples
North Miami
Ocala
Orlando
Palm Bay
Palm Harbor
Panama City
Pembroke Pines
Pensacola
Pinellas Park
Plantation
Pompano Beach
Port Charlotte
Port St. Lucie
Sarasota
St. Petersburg
Sunrise
Tallahassee
Tamarac
Tampa
Titusville
Town 'n' Country
West Palm Beach

Georgia
Albany
Athens
Atlanta
Augusta
Brunswick
Columbus
Cordele
Macon
Marietta
Roswell
Sandy Springs
Savannah
South Augusta
Valdosta
Warner Robbins
Waycross*

Hawaii
Honolulu
Hilo
Maui
Pearl City

Idaho
Boise City
Nampa

Illinois
Anderson*
Arlington Heights
Aurora
Belleville
Berwyn
Bloomington
Bolingbrook
Champaign
Chicago
Cicero
Decatur
De Kalb
Des Plaines
Downers Grove
East St. Louis
Elgin
Elmhurst
Evanston
Hoffman Estates
Joliet
Moline
Mount Prospect
Naperville
Normal
Oak Lawn
Oak Park
Peoria
Rock Island
Rockford
Schaumburg
Skokie
Springfield
Waukegan
Wheaton

Indiana
Bloomington
Columbus
Elkhart
Evansville
Fort Wayne
Gary
Hammond
Indianapolis
Kokomo
Lafayette
Mishawaka
Muncie*
South Bend
Terre Haute

Iowa
Cedar Rapids
Council Bluffs
Davenport
Des Moines
Iowa City
Sioux City
Waterloo

Kansas
Kansas City
Lawrence
Leavenworth
Olathe
Overland Park
Topeka
Wichita

Kentucky
Covington
Lexington
Louisville

Louisiana
Alexandria
Baton Rouge
Bossier City
Hammond
Jennings
Kenner
Lafayette
Lake Charles
La Place
Metairie
Monroe
New Orleans
Shreveport

Maine
Bangor*
Kennebunkport
Portland
York

Maryland
Annapolis
Aspen Hill
Baltimore
Bethesda
Columbia
Dundalk
Ellicott City
Essex
Frederick
Germantown
Hagerstown
Ocean City
Potomac
Rockville
Silver Spring
Towson
Wheaton-Glenmont

Massachusetts
Arlington
Boston
Brockton
Brookline
Cambridge
Chicopee
Fall River
Framingham
Haverhill
Holyoke
Lawrence
Lynn
Malden
Medford
New Bedford
Newton
Peabody
Quincy
Revere
Somerville
Springfield
Taunton
Weymouth
Worcester

Michigan
Ann Arbor
Battle Creek
Bloomfield Township
Canton
Dearborn
Dearborn Heights
Detroit
East Lansing
Farmington Hills
Flint
Grand Rapids*
Kalamazoo
Lansing
Lincoln Park
Livonia
Pontiac
Portage
Redford
Rochester Hills
Roseville
Royal Oak
Saginaw
St. Clair Shores
Southfield
Sterling Heights
Taylor
Troy
Warren
West Bloomfield Township
Westland
Wyoming

Minnesota
Bloomington
Brooklyn Park
Duluth
Eagan
Edina
Minneapolis
Minnetonka
Plymouth
Rochester
St. Cloud*
St. Louis Park
St. Paul

Mississippi
Biloxi
Greenville
Hattiesburg
Jackson
Meridian
Oxford*
Vicksburg*

Missouri
Blue Springs
Columbia
Florissant
Independence
Joplin
Kansas City
Lee's Summit
St. Charles
St. Joseph
St. Louis
St. Peters
Springfield
University City

Montana
Billings
Great Falls

Nebraska
Lincoln
Omaha

Nevada
Carson
Henderson
Las Vegas
Laughlin*
North Las Vegas
Reno
Sparks
Spring Valley

New Hampshire
Concord
Manchester
Nashua

New Jersey
Atlantic City
Bayonne
Bloomfield
Brick Township
Camden
Cherry Hill
Clifton
Dover
East Brunswick
East Orange
Edison
Elizabeth
Irvington
Jersey City
New Brunswick
Newark
North Bergen
Parsippany-Troy Hills Township
Passaic
Paterson
Perth Amboy
Plainfield
Trenton
Union
Union City
Wayne
Woodstown

New Mexico
Albuquerque
Las Cruces

New York
Albany
Binghamton
Buffalo
Elmira*
Hempstead
Hicksville
Irondequoit
Jamestown*
Levittown
Middletown
Mount Vernon
New Rochelle
New York
Niagara Falls
Rochester
Sarasota Springs*
Schenectady
Syracuse
Tonawanda
Troy
Utica
Watertown*
West Babylon
White Plains
Yonkers

North Carolina
Asheville
Cary
Charlotte
Durham
Fayetteville
Gastonia
Goldsboro
Greensboro
Greenville
High Point
Raleigh
Rocky Mount
Wilmington
Winston-Salem

North Dakota
Bismarck
Fargo*

Ohio
Canton
Cincinnati
Cleveland
Cleveland Heights
Columbus
Dayton
Elyria
Euclid
Findlay
Kettering
Lakewood
Lima*
Lorain
Mansfield
Mentor
Parma
Toledo
Youngstown

Oklahoma
Broken Arrow
Edmond
Lawton
Midwest City
Moore
Norman
Oklahoma City
Tulsa

Oregon
Beaverton
Corvallis
Eugene
Gresham
Medford
Portland
Salem
Springfield

Pennsylvania
Allentown
Altoona
Bensalem
Bethlehem
Chester
Erie
Greensburg
Harrisburg
Johnston
Lancaster
Levittown
Philadelphia
Pittsburgh
Reading
Scranton
Upper Darby
Wilkes-Barre
York

Rhode Island
Cranston
East Providence
Pawtucket
Providence
Warwick
Woonsocket

South Carolina
Charleston
Columbia
Greenville
Hilton Head Island
Myrtle Beach
North Charleston
Rock Hill
Spartanburg

South Dakota
Sioux Falls

Tennessee
Bristol
Chattanooga
Clarksville
Jackson
Johnson City
Kingsport
Knoxville
Memphis
Nashville-Davidson

Texas
Abilene
Amarillo
Arlington
Austin
Baytown
Beaumont
Bedford
Brownsville
Bryan
Carrollton
College Station
Corpus Christi
Dallas
Denton
Edinburgh
El Paso
Fort Worth
Galveston
Garland
Grand Prairie
Harlingen
Houston
Irving
Killeen
Laredo
Lewisville
Longview*
Lubbock
Marshall*
McAllen
Mesquite
Midland*
North Richland Hills
Odessa
Pasadena
Plano
Port Arthur
Richardson
San Angelo
San Antonio
Sherman
Texarkana*
Texas City
Tyler
Victoria
Waco
Wichita Falls

Utah
Layton
Orem
Provo
Salt Lake City
Sandy
Spanish Fork
Taylorsville-Bennion
West Jordan
West Valley City

Vermont
Burlington

Virginia
Alexandria
Annandale
Arlington
Burke
Charlottesville
Chesapeake
Dale City
Fredricksburg
Hampton
Lynchburg
Newport News
Norfolk
Petersburg
Portsmouth
Reston
Richmond
Roanoke
Suffolk
Tuckahoe
Virginia Beach

Washington
Bellevue
Bremerton
East Hill-Meridian
Everett
Federal Way
Kennewick
Kirkland
Lakewood
Olympia
Renton
Seattle
Spokane
Tacoma
Vancouver
Yakima

West Virginia
Charleston
Huntington

Wisconsin
Appleton
Eau Claire
Green Bay
Kenosha
La Crosse
Madison
Milwaukee
Oshkosh
Racine
Waukesha
Wausau*
Wauwatosa
West Allis

Wyoming
Casper*
Cheyenne

PUERTO RICO
San Juan
Ponce

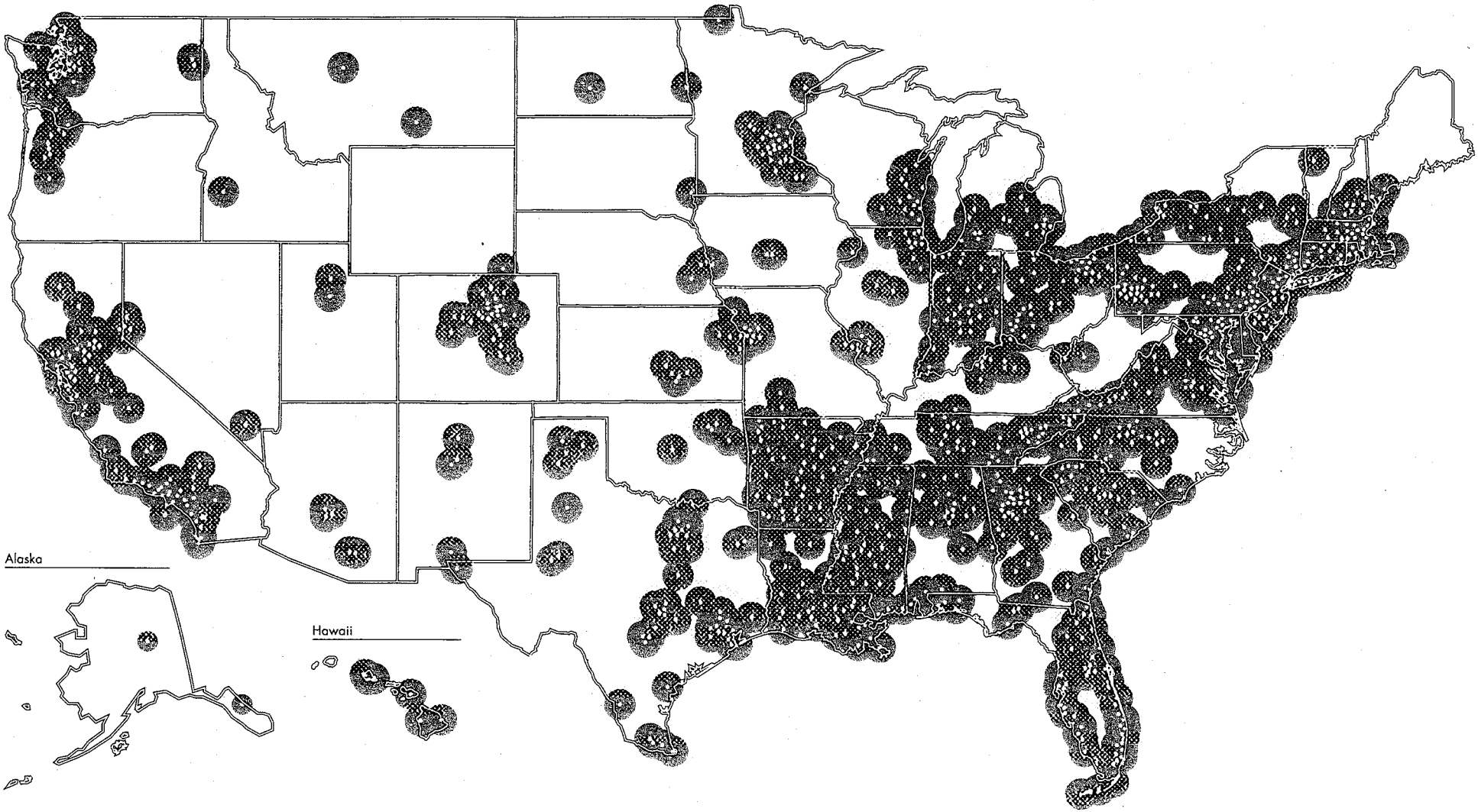
VIRGIN ISLANDS
St. Thomas

*1996
Network
Expansion

ATTACHMENT "D"

nationwide messaging

NOTE: Service area(s) shown subject to minor signal variations depending on interference, topography, building penetration, and atmospheric conditions.



network 931.8875

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nationwide messaging

Alabama
Birmingham
Decatur
Gadsden
Huntsville
Mobile
Montgomery
Tuscaloosa

Alaska
Fairbanks
Juneau

Arizona
Chandler
Glendale
Mesa
Peoria
Phoenix
Scottsdale
Tempe
Tucson

Arkansas
Fayetteville
Fort Smith
Jonesboro
Little Rock
North Little Rock
Pine Bluff

California
Alameda
Alhambra
Altadena
Anaheim
Antioch
Apple Valley
Arcadia
Arden-Arcade
Azusa
Bakersfield
Baldwin Park
Bell Gardens
Bellflower
Berkeley
Buena Park
Burbank
Camarillo
Carlsbad
Carmichael
Carson
Castro Valley
Cerritos
Chino
Chula Vista
Citrus Heights
Clovis
Colton
Compton
Concord
Corona
Costa Mesa
Covina
Cupertino
Cypress
Daly City
Davis
Diamond Bar
Downey
East Los Angeles
El Cajon
El Monte
El Toro
Encinitas
Escondido
Fairfield
Florence-Graham
Fontana
Fountain Valley
Fremont
Fresno
Fullerton
Garden Grove
Gardena
Glendale
Glendora
Hacienda Heights
Hawthorne
Hayward
Hesperia
Huntington Beach
Huntington Park
Inglewood
Irvine
La Habra
La Mesa
La Mirada
Laguna Hills
Laguna Niguel
Lakewood
Lancaster
Livermore
Lodi
Long Beach
Los Angeles
Lynwood
Manteca
Milpitas
Mission Viejo
Modesto
Montebello
Monterey Park
Moreno Valley
Mountain View
Napa
National City
Newport Beach
North Highlands
Norwalk
Novato
Oakland
Oceanside
Ontario
Orange
Oxnard
Palm Springs
Palmdale
Palo Alto
Paramount
Pasadena
Petaluma
Pico Rivera
Pittsburg
Placentia
Pleasanton
Pomona
Poway
Rancho Cordova
Rancho Cucamonga
Rancho Palos Verdes
Redlands
Redondo Beach
Redwood City
Rialto
Richmond
Riverside
Rosemead
Roseville
Rowland Heights
Sacramento
Salinas
San Bernardino
San Buenaventura (Ventura)
San Clemente
San Diego
San Francisco
San Jose
San Leandro
San Luis Obispo
San Mateo
San Rafael
Santa Ana
Santa Clara
Santa Clarita
Santa Cruz
Santa Maria
Santa Monica
Santa Rosa
Santee
Simi Valley
South Gate
South San Francisco
South Whittier
Spring Valley
Stockton
Sunnyvale
Thousand Oaks
Torrance
Tustin
Union City
Upland
Vacaville
Victorville
Visalia
Vista
Walnut Creek
West Covina
Westminster
Whittier
Yorba Linda

Colorado
Arvada
Aurora
Boulder
Colorado Springs
Denver
Fort Collins
Greeley
Lakewood
Longmont
Pueblo
Southglenn
Thornton
Westminster

Connecticut
Bridgeport
Bristol
Danbury
East Hartford
Hartford
Meriden
Middletown
Milford
New Britain
New Haven
Norwalk
Stamford
Stratford
Waterbury
West Hartford
West Haven

Delaware
Wilmington

District of Columbia

Florida
Boca Raton
Boynton Beach
Bradenton
Brandon
Cape Coral
Carol City
Clearwater
Coral Gables
Coral Springs
Davie
Daytona Beach
Deerfield Beach
Delray Beach
Deltona
Fort Lauderdale
Fort Myers
Gainesville
Hialeah
Hollywood
Jacksonville
Kendale Lakes
Kendall
Lakeland
Largo
Lauderhill
Margate
Melbourne
Miami
Miami Beach
Miramar
North Miami
Ocala
Orlando
Palm Bay
Palm Harbor
Pembroke Pines
Pensacola
Pinellas Park
Plantation
Pompano Beach
Port Charlotte
Port St. Lucie
Sarasota
St. Petersburg
Sunrise
Tallahassee
Tamarac
Tampa
Town 'n' Country
West Palm Beach

Georgia
Albany
Athens
Atlanta
Augusta
Columbus
Macon
Marietta
Roswell
Sandy Springs
Savannah
South Augusta
Warner Robins

Hawaii
Honolulu

Idaho
Boise City

Illinois
Arlington Heights
Aurora
Belleville
Berwyn
Bloomington
Bolingbrook
Chicago
Cicero
Decatur
Des Plaines
Downers Grove
East St. Louis
Elgin
Elmhurst
Evanston
Hoffman Estates
Joliet
Moline
Mount Prospect
Naperville
Normal
Oak Lawn
Oak Park
Peoria
Rock Island
Rockford
Schaumburg
Skokie
Springfield
Waukegan
Wheaton

Indiana
Anderson
Bloomington
Elkhart
Evansville
Fort Wayne
Gary
Hammond
Indianapolis
Kokomo
Lafayette
Mishawaka
Muncie
South Bend
Terre Haute

Iowa
Cedar Rapids
Council Bluffs
Davenport
Des Moines

Kansas
Kansas City
Lawrence
Olathe
Overland Park
Topeka
Wichita

Kentucky
Bowling Green
Covington
Louisville

Louisiana
Alexandria
Baton Rouge
Bossier City
Lafayette
Lake Charles
Metairie
Monroe
New Orleans
Shreveport

Maine
Portland

Maryland
Aspen Hill
Baltimore
Bethesda
Columbia
Dundalk
Ellicott City
Essex
Frederick
Germantown
Potomac
Rockville
Silver Spring
Towson
Wheaton-Glenmont

Massachusetts
Arlington
Boston
Brockton
Brookline
Cambridge
Chicopee
Fall River
Fitchburg
Framingham
Haverhill
Holyoke
Lawrence
Lowell
Lynn
Malden
Medford
New Bedford
Newton
Peabody
Quincy
Revere
Somerville
Springfield
Taunton
Waltham
Weymouth
Worcester

Michigan
Ann Arbor
Bloomfield Township
Canton
Clinton
Dearborn
Dearborn Heights
Detroit
East Lansing
Farmington Hills
Flint
Grand Rapids
Kalamazoo
Lansing
Lincoln Park
Livonia
Muskegon
Pontiac
Portage
Redford
Rochester Hills
Roseville
Royal Oak
Saginaw
Shelby
Southfield
St. Clair Shores
Sterling Heights
Taylor
Troy
Warren
Waterford
West Bloomfield Township
Westland
Wyoming

Minnesota
Bloomington
Brooklyn Park
Burnsville
Coon Rapids
Duluth
Eagan
Edina
Minneapolis
Minnetonka
Plymouth
Rochester
St. Cloud
St. Louis Park
St. Paul

Mississippi
Biloxi
Greenville
Gulfport
Hattiesburg
Jackson
Meridian

Missouri
Blue Springs
Florissant
Independence
Kansas City
Lee's Summit
Springfield
St. Charles
St. Joseph
St. Louis
St. Peters
University City

Montana
Billings
Great Falls

Nebraska
Lincoln
Omaha

Nevada
Carson
Henderson
Las Vegas
North Las Vegas
Paradise
Reno
Sparks
Spring Valley
Sunrise Manor

New Hampshire
Manchester
Nashua

New Jersey
Bayonne
Bloomfield
Brick Township
Camden
Cherry Hill
Clifton
East Brunswick
East Orange
Edison
Elizabeth
Irvington
Jersey City
New Brunswick
Newark
North Bergen
Parsippany-Troy Hills Township
Passaic
Paterson
Perth Amboy
Plainfield
Trenton
Union
Union City
Vineland
Wayne

New Mexico
Albuquerque
Las Cruces

New York
Albany
Binghamton
Brentwood
Buffalo
Cheektowaga
Hempstead
Hicksville
Irondequoit
Levittown
Mount Vernon
New Rochelle
New York
Niagara Falls
Rochester
Schenectady
Syracuse
Tonawanda
Troy
Utica
West Babylon
West Seneca
White Plains
Yonkers

North Carolina
Asheville
Cary
Charlotte
Durham
Fayetteville
Gastonia
Goldsboro
Greensboro
Greenville
High Point
Raleigh
Rocky Mount
Wilmington
Winston-Salem

North Dakota
Bismarck
Fargo

Ohio
Akron
Canton
Cincinnati
Cleveland
Cleveland Heights
Columbus
Cuyahoga Falls
Dayton
Elyria
Euclid
Hamilton
Kettering
Lakewood
Lima
Lorain
Mansfield
Mentor
Middletown
Parma
Springfield
Toledo
Warren
Youngstown

Oklahoma
Broken Arrow
Edmond
Midwest City
Moore
Norman
Oklahoma City
Tulsa

Oregon
Beaverton
Corvallis
Eugene
Gresham
Portland
Salem
Springfield

Pennsylvania
Allentown
Altoona
Bethlehem
Chester
Erie
Harrisburg
Lancaster
Levittown
Penn Hills
Philadelphia
Pittsburgh
Reading
Scranton
Wilkes-Barre
York

Rhode Island
Cranston
East Providence
Pawtucket
Providence
Warwick
Woonsocket

South Carolina
Charleston
Columbia
Greenville
North Charleston
Rock Hill
Spartanburg
Sumter

South Dakota
Sioux Falls

Tennessee
Chattanooga
Clarksville
Jackson
Johnson City
Knoxville
Memphis
Murfreesboro
Nashville-Davidson

Texas
Amarillo
Arlington
Austin
Baytown
Beaumont
Bedford
Brownsville
Bryan
Carrollton
College Station
Corpus Christi
Dallas
Denton
El Paso
Fort Worth
Galveston
Garland
Grand Prairie
Harlingen
Houston
Irving
Killeen
Laredo
Lewisville
Longview
Lubbock
McAllen
Mesquite
Midland
North Richland Hills
Odessa
Pasadena
Plano
Richardson
San Antonio
Temple
Texas City
Tyler
Waco

Utah
Layton
Ogden
Orem
Provo
Salt Lake City
Taylorsville-Bennion
West Jordan
West Valley City

Vermont
Burlington

Virginia
Alexandria
Annandale
Arlington
Burke
Charlottesville
Chesapeake
Dale City
Danville
Hampton
Lynchburg
Newport News
Norfolk
Portsmouth
Reston
Richmond
Roanoke
Suffolk
Tuckahoe
Virginia Beach

Washington
Bellevue
Bellingham
East Hill-Meridian
Everett
Federal Way
Kirkland
Lakewood
Renton
Seattle
Spokane
Tacoma
Vancouver

West Virginia
Charleston
Huntington

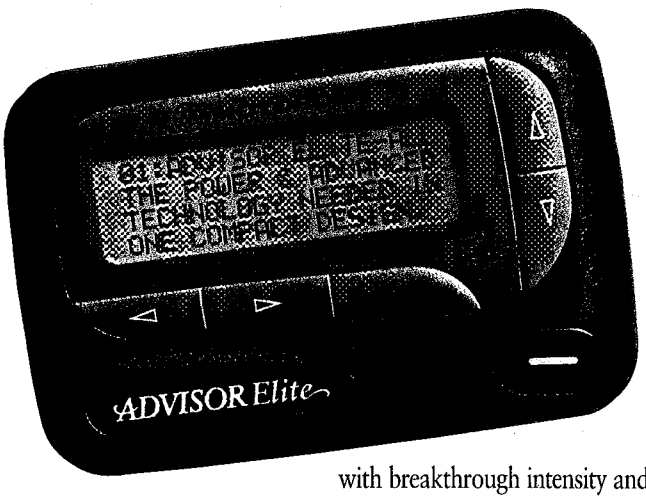
Wisconsin
Appleton
Green Bay
Kenosha
Madison
Milwaukee
Oshkosh
Racine
Sheboygan
Waukesha
Wauwatosa
West Allis

Wyoming
Cheyenne

ATTACHMENT "E"

MOTOROLA

ADVISOR Elite™



The power comes from within. It's on display. It's in your grasp. The ADVISOR Elite™ word message pager has four lines of text and the ability to store up to 30,000 characters. Up to 15 different information services can bring you continuous updates of vital information. FLEX™ technology adds the strength of enhanced page reliability and longer battery life. Light up all these features with breakthrough intensity and you have a product that is... illuminating! The Optimax EL™ Electra Light Display provides exceptional clarity. And the Zoom feature lets you enlarge the display from 4 lines to 2 for optimum readability. The ADVISOR Elite pager puts you in charge. Take advantage of an illuminating display of power.

BREAK THE LEASH WITH A MOTOROLA PAGER. YOU KNOW. NOW.

Features

FLEX™ Technology
Extends Battery Life and Offers Improved Page Reliability

FLEX™

4-Line, 80 Character Display
So You Can Easily Read Word Messages

Stores Up to 30,000 Total Characters
All the Power and Capacity You Need to Store Complete Word Messages and 15 Different Information Services

Optimax EL™ Electra Light Display
Optimax EL™

For Optimum Readability and Exceptional Clarity

Maximum Messages Stored:
- 19 Personal Messages
- 15 Information Services
- 255 Personal Notebooks
- 255 Information Service Notebooks

Zoom Display
ZOOM

Enlarge From 4 Lines to 2 for Maximum Readability

Shows Time of Day & Date
For Convenient Reference

Notes Time & Date of Message
So You'll Know When Messages Were Received

Built-in Alarm Clock
To Keep Track of Your Busy Schedule

Message Alarm
Set a Personal Message to Alert and Re-Display at a Specified Time

Private Time
For the Ability to Turn Off All Pager Alerts During Pre-selected Times

Silent Vibration, 8 Musical Alerts
Or Chirp & Vibration in One Alert

Locks Important Messages
To Protect Messages You Wish to Retain

Option to Delete Individual Messages or Erase All
Allows You to Decide Which Messages to Save or Delete

Battery Gauge
To Indicate Battery Level

Saves Messages When Off or Changing the Battery
So Your Important Messages Can Be Retained

Uses Only One AA Battery
For Convenience

ADVISOR Elite™

Performance Specifications

	VHF FLEX™	900 MHz FLEX™
Model Series	A04GMB5812	A03GMB5812
Frequency Band	VHF	900
Frequency Range	450-470 MHz (464-470 MHz)	929-932 MHz
Weight With Battery	85.5 grams (3 oz.)	
Dimensions	63.5 x 114.3 x 19.8mm (2.5" x 4.5" x .78")	
Paging Sensitivity (typical/maximum μ V per meter unless otherwise noted)	Best reading: Any mode FLEX 1600: 5/8 FLEX 3200: 6.5/11 FLEX 6400: 13/15	
Addressing	Up to 16 unique addresses	
Memory	32K RAM (approximately 30,000 characters)	
Selectivity	55 dB	50 dB
Spurious Rejection	50 dBc	45 dBc
Alert Tone	75 dB@ 30 cm/12 inches 3200 Hz sound waveform	
Operating Temperature	-5° C to 40° C (40° F to 105° F)	
Channel Spacing	25 kHz	
Frequency Deviation	± 4.8 kHz	
Power Supply	One 1.5 V AA size alkaline	
Battery Life	4 months (typical) 2 pages per day, collapse=4	
Code Format	FLEX™ code, 1600, 3200 and 6400 bps	

Specifications subject to change without notice.

ADVISOR Elite™

FLEX™

PERFORMANCE plus™

MOTOROLA

What you never thought possible.™

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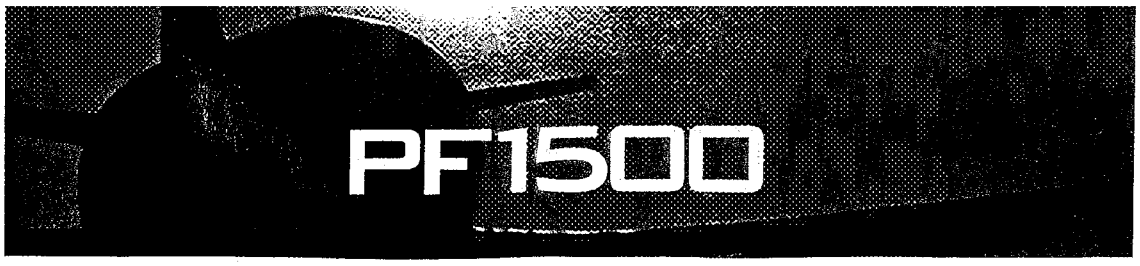

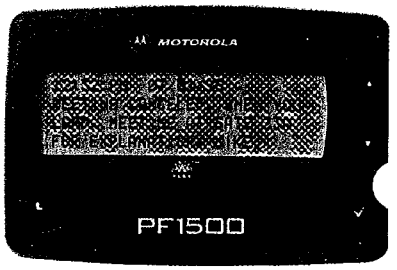

PF1500 Specifications

RECEIVER:	
Frequency Bands:	
ReFLEX® 25	929-932 MHz, 935-941 MHz
ReFLEX® 50	940-941 MHz
Channel Spacing:	
ReFLEX® 25	25/50 kHz
ReFLEX® 50	50 kHz
Bit Rates:	
ReFLEX® 25	1600, 3200, 6400 bps
ReFLEX® 50	6400 bps
Signaling:	2 level FSK at 1600, 3200 bps
	4 level FSK at 3200, 6400 bps
Frequency Deviation:	+/- 2400 Hz binary
	+/- 800 Hz binary and +/- 2400 Hz for 4 level
Paging Sensitivity:	20 micro-V/m 1% BER
Image Rejection:	40 dB
Spurious Rejection:	50 dB
Selectivity:	
ReFLEX® 25	50 dB at +/- 25 kHz
ReFLEX® 50	60 dB at +/- 50 kHz
Third order IM, Low Level:	60 dB EIA
Third order IM, High Level:	30 dB EIA
Operating Temperature:	-10 C to +50 C
Frequency:	Synthesized
Spurious Emissions:	5 nW
1 MHz Blocking:	80 dB
TRANSMITTER:	
Frequency Bands:	
ReFLEX® 25	896-902 MHz
ReFLEX® 50	901-902 MHz
Channel Spacing:	12.5 kHz
Bit Rates:	
ReFLEX® 25	800, 1600, 6400, 9600 bps
ReFLEX® 50	9600 bps
Signaling:	4 level FSK at 800, 1600, 6400, 9600 bps
Frequency Deviation:	+/- 800 Hz and +/- 2400 Hz for 4 level
Emissions:	Meets Narrowband PCS FCC specs
Power into Antenna:	1 W
Frequency Stability:	0.5 PPM from -10 C to +50 C
	(REF. at 25 C) with AFC
Frequency:	Synthesized
GENERAL:	
Code Format:	ReFLEX®
Weight with AA Battery:	3.5 ounces (101.5 g)
Size:	3.189 x 2.146 x .752 inches (81 x 54.5 x 19.1 mm)
Volume:	4.53 cubic inches (74 cc)
Battery Life:	30 days
Battery:	One 1.5V AA size alkaline
Alert Tone Loudness:	72 dB SPL at 30 cm
Alert Tone Duration:	12 sec (programmable)
Display:	4 lines by 20 characters
	Optimax™ holographic technology
	EL backlighting
Over-The-Air Write Capability	
Over-The-Air Read Capability	
Holster with Full Screen Protection	

Special Features:

- FLEX® Technology for Improved Page Reliability
- Confirmed Message Delivery Helps to Ensure that You Never Miss a Message
- Info-On-Demand – Request Specific Information Updates on Pre-selected Topics Directly from the Pager*
- FLEX Info – Quick Access to Your Favorite News Updates*
- Large Screen Optimax EL™ Electra Light Display for Easy Readability and Exceptional Clarity
- Reply Capability – Easily Upgradeable to Provide Pre-Programmed Message Responses for Quick Reply to Important Messages*
- Automatically Corrects Message Errors
- EL Backlight for Clear Viewing in Low Light Conditions

*where available

Plus:

- Separate Mail Boxes for Personal Messages and Information Services
- Holds up to 750 Messages (typical length)
- Variety of User-Selectable Alerts
- Time & Datestamping
- Programmable Alarm Clock
- Battery Gauge with Low Battery Indicator
- Option to Delete Individual Messages or Erase All

Visit Motorola on the World Wide Web at **motorola.com/pagers**

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PERFORMANCE

MOTOROLA

ATTACHMENT "F"

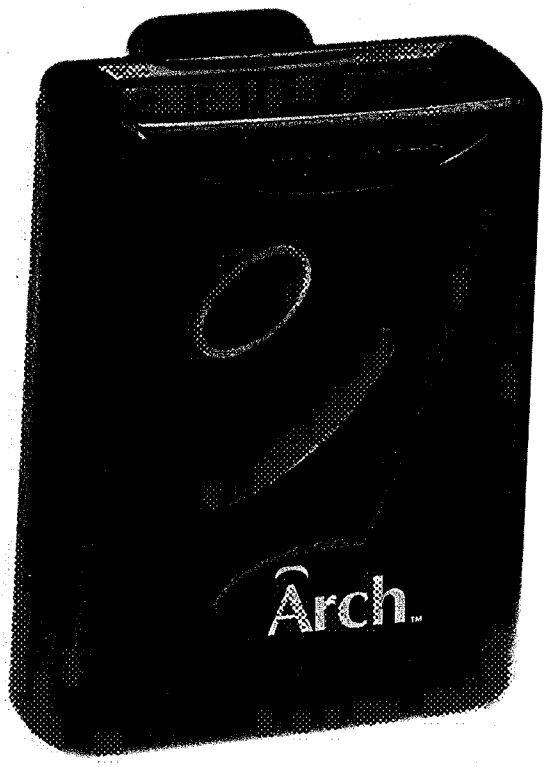
LS350™ FLX

FLEX™

Manufactured by

MOTOROLA

- FLEX Technology
  -Improved Page Reliability
  -Up to 4 Months Battery Life
- Top Mount Numeric Pager
- 30 Message Slots
- Time and Date on Standby
- Message Timestamping
- 3 Pleasing Alerts
- Message Lock
- Memory Retention
- Private Time Feature
- Requires 1AAA Battery



For more information,
please contact your
Arch representative,
or call 1-800-ArchUSA

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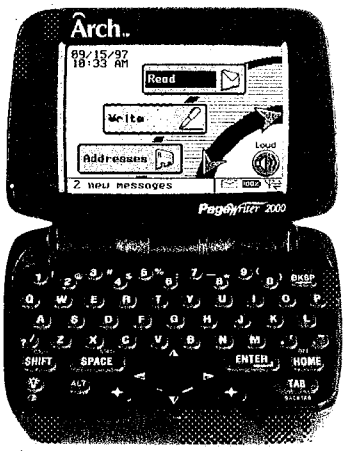
ARCH™ ADVANCED MESSAGING TWO-WAY

allows you to send and receive Internet e-mail, reach multiple recipients and originate and respond to messages — directly from your pager.

Ushering in a new era in messaging, Arch Advanced Messaging Two-Way service allows you to create and send custom messages and replies directly from your pager–without a phone! Increase flexibility and productivity by sending messages on the go–in the office or around town. Enjoy wireless messaging, send and receive Internet e-mail and send messages to multiple recipients. Advanced Messaging Two-Way can even be connected to Windows® PCs, hand-held PCs and PDAs (Personal Digital Assistants) to function as a wireless modem for PC-based e-mail and data communications programs. And with the world's most advanced messaging system, you get unmatched reliability.

Arch Advanced Messaging Two-Way word messaging allows you to originate new messages–or responses–directly from your pager. And you enjoy Nationwide coverage. **Advanced Messaging Two-Way provides assured message delivery.** If your pager is out of range (maybe you're aboard an airplane or changing your battery), **the network stores messages for up to 72 hours and delivers them when the pager is back in a full-service area.**



ADVANCED MESSAGING TWO-WAY SERVICE INCLUDES:

Internet Messaging–With your Advanced Messaging Two-Way pager comes a unique e-mail address that allows you to send and receive Internet e-mail directly on your pager. And you can receive word messages sent via regular Internet e-mail.

Free paging software–Internet access not available? Free Messenger Software allows you to send word messages from any modem-equipped computer.

Toll-free calling–All calls to the system are free. Your family, friends and co-workers dial a toll-free number to reach you anytime.

Personalized greeting–It's just like an answering machine. Callers hear your voice when they call the system. And you can change the greeting at any time, as often as you wish.

News updates–Receive all of the latest Dow Jones headlines on your pager twice daily.

Page recall–If your pager is out of range or turned off, messages can easily be retrieved toll-free any time up to three days after they were sent.

ADVANCED MESSAGING TWO-WAY OPTIONAL FEATURES:

Personal toll-free number–You can purchase a direct-dial, toll-free number as a handy shortcut for sending and retrieving messages–without needing to enter a special PIN.

Voice mail–With our paging system's voice mail, you'll be able to enjoy the convenience of a full-featured voice mail system that integrates with your pager. Callers can leave you a detailed voice message, and the system will instantly alert you via your pager.

Operator dispatch–Callers can dictate a word message to an operator–who will then transmit it directly to your pager.

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Introducing Arch™ One Number Access℠

Arch™ One Number Access℠ service provides Nationwide customers with a one number access to Numeric Messaging, Operator Dispatch, Word Messaging and Voice Mail *(Optional)*.

This product enables Nationwide Messaging customers with personal toll-free numbers to be sent messages without the need for their callers to dial separate access numbers.

The primary benefit of this new offering is that Arch offers the freedom of choice. Our Nationwide customers can now choose between: **Our traditional toll-free access methods** which enable you to control costs and limit caller access, or **Arch One Number Access** where you only need to make one call to access all messaging methods.

That's the Arch advantage.

Arch One Number Access service is now available in addition to all the other benefits of Arch Nationwide Service: Page Management, Internet Messaging (e-mail) and Arch™ CityLink℠ service, to name a few.

With Arch One Number Access, you get:

FEATURES	BENEFITS
A single toll-free number used to access Numeric Messaging, Operator Dispatch, Word Messaging or Voice Mail *(Optional)*.	One toll-free number replaces the need for a PIN and separate Voice Mail number. Callers can access Voice Mail or send Numeric or Word Messages through one toll-free number.
A system prompt that instructs the caller on various options: 1. Numeric Messaging 2. Transfer to Operator Dispatch 3. Word Messaging 4. Voice Mail *(Optional)*	For ease of use, caller will be prompted through call. No need to memorize codes. Callers can choose option from menu.
Should no option be selected, the caller will be automatically forwarded to Voice Mail when the VM option is present.	The caller can leave a Voice Mail by calling one number and holding on the line.

For more information on Arch One Number Access service, or any other Arch service, please call your local Sales Representative.

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FCC Charges

UNIVERSAL SERVICE FUND CHARGE - $0.33 PER UNIT, PER MONTH – ALL ARCH UNITS
As part of the Telecommunications Act of 1996, the Federal Communications Commission has implemented a funding mechanism to promote the availability of quality telecommunications services to all consumers throughout the country. Each telecommunications provider, who provides interstate services, including all paging service providers, has now been mandated to contribute to the Universal Service Fund.

To help support the cost of the contribution, each Arch unit with active paging service will be billed a **MONTHLY UNIVERSAL SERVICE FUND CHARGE INITIALLY EQUAL TO $0.33.** These funds will not be retained by Arch, but will be remitted to the federal government. This charge may be adjusted from time to time as the FCC makes adjustments to the contribution required from each telecommunications company. While this is a nominal charge, it will help to make a difference to the many consumers in the country, such as low income consumers, eligible schools and libraries and rural health care providers, who will soon be able to have better access to quality telecommunications and information services. If you have further questions about the Universal Service Fund, you may call Arch Customer Service or you may contact the FCC directly at 202-418-0200. You may also visit the FCC web site at www.fcc.gov.

Are our competitors also charging for the USF?

All telecommunications providers with interstate service have now been mandated to contribute to the USF. From what we have seen, all providers are passing the cost directly to the customer. Some are calculating the monthly amount as a percentage of billing while others are instituting a flat fee. Some providers have not disclosed the amount in their communication to their customers but have indicated that there will be a new charge.

PAY PHONE CHARGES - $2.00 PER UNIT, PER MONTH – ALL ARCH NATIONWIDE UNITS*

The Federal Communications Commission (FCC), in accordance with the Telecommunications Act of 1996, has mandated that compensation be paid to pay phone service providers for non-emergency toll-free calls originating from pay phones. Many of our competitors have decided to block payphone access for paging services using a toll-free telephone number or have introduced a monthly charge of $5 or more for the access. **ARCH WILL CONTINUE TO PROVIDE CUSTOMERS WITH NATIONWIDE, ADVANCED MESSAGING, REGIONAL, OR CITYLINK COVERAGE PLANS WITH ACCESS TO ARCH TOLL-FREE NUMBERS VIA PAY PHONES.** This will include Arch paging services, voice mail and operator dispatch. Beginning with your current bill, each unit with Nationwide, Regional or CityLink service will be charged just $2.00/month in order to maintain the ability to access Arch paging services from a pay phone.

There will continue to be no charge to call the Arch toll-free customer service number listed on your invoice from a pay phone.

*Two-Way Messaging units will not be charged the $2.00 Pay Phone Charge. It will not be possible to call Two-Way Messaging Units from a pay phone.