

Local In-Building Ordinances

Washington

Bellevue
Kirkland
Mercer Island

Nevada

Clark County
Las Vegas
Sparks

California

Burbank
Costa, Mesa
Folsom
Glendale
Irvine
Ontario
Rancho Cucamonga
Riverside
San Diego
Roseville

Arizona

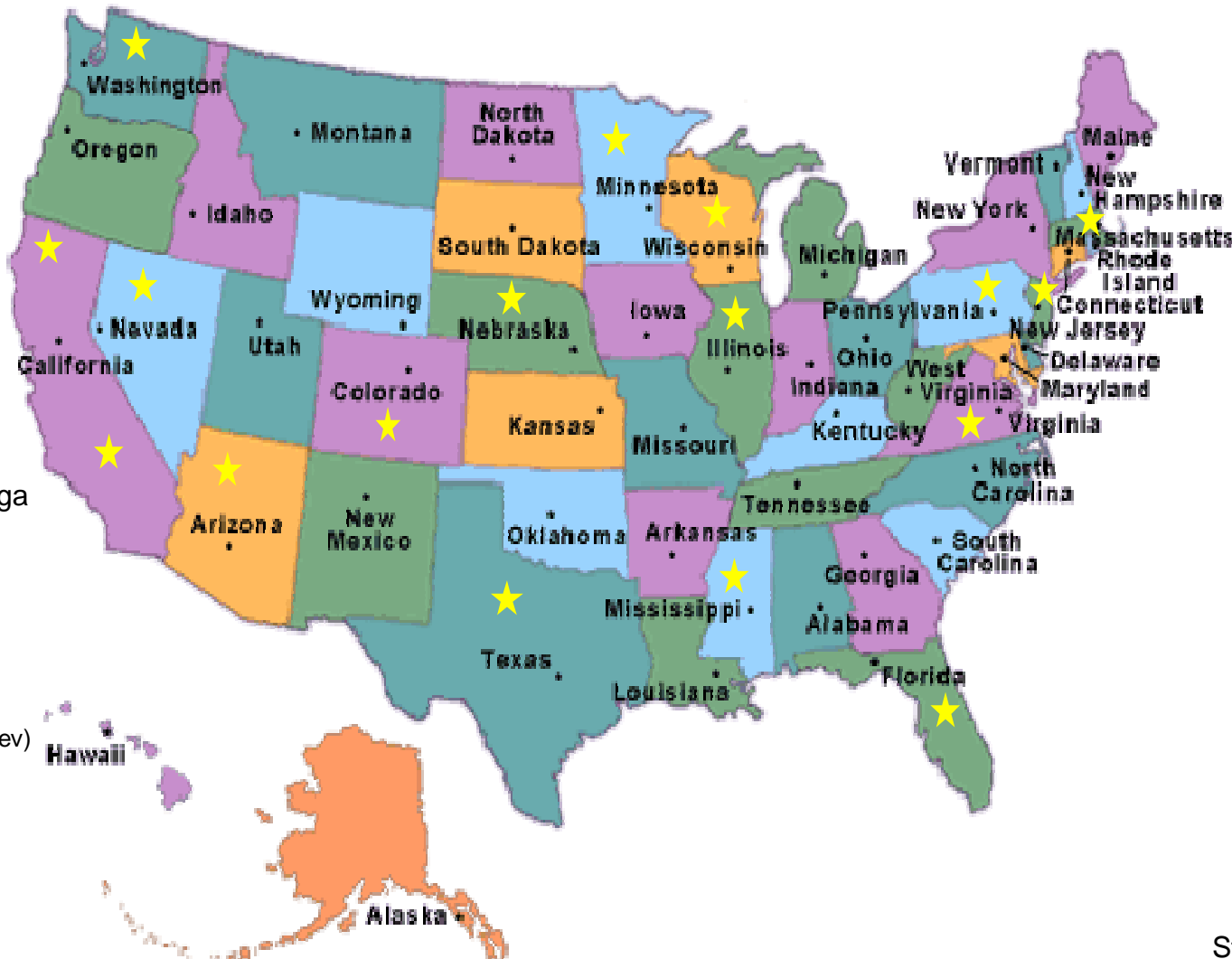
Scottsdale
Tempe
State of Arizona (dev)

Colorado

Broomfield
Summit
County

Texas

Grapevine



New England

Sarpy County

Pennsylvania

West Whiteland

Massachusetts

Boston

Cambridge

Connecticut

West Hartford

Wisconsin

Bayside

Muskego

Minnesota

Edina

Illinois

Hampshire

Moline

Schaumburg

Virginia

Arlington

Richmond

Mississippi

Boloxi

Florida

Broward County

Coral Gables

Edgewater

Fort Lauderdale

Palm Beach

St. Petersburg (dev)

Other: Toronto, Canada; Singapore

Local In-Building Ordinances

- Ordinances focus on UHF, 700 MHz and 800 MHz public safety wireless coverage
- Customers may want to add public carriers to the in-building system

Local Jurisdiction	Ordinance Reference	Key Provisions
Boston, MA	<ul style="list-style-type: none"> - Fire Dept. In-Building Radio Spec. - 5/21/01 	<ul style="list-style-type: none"> • Min signal -95 dBm, 95% of each floor • UHF band
Broward County, FL	<ul style="list-style-type: none"> - Ord. 99-22 - 5/25/99 	<ul style="list-style-type: none"> • No interference to public safety comm. • Add'l facilities at no cost to county
Burbank, CA	<ul style="list-style-type: none"> - Ord. 3265, Sec 7-616.1 - Effective 9/21/91 	<ul style="list-style-type: none"> • Min signal -107 dBm, 85% of each floor • 90% reliability factor • UHF band
Folsom, CA	<ul style="list-style-type: none"> - City Code - Chapter 14.18 	<ul style="list-style-type: none"> • Min signal -95 dBm, 90% of each floor • 100% reliability factor • 800 MHz band • 12 hour battery backup
Grapevine, TX	<ul style="list-style-type: none"> - Ord. No. 109.2 	<ul style="list-style-type: none"> • Min signal -107 dBm, 95 % of each floor • 800 MHz band • Adjacent band filtering • 8 hour battery backup
Roseville, CA		<ul style="list-style-type: none"> • Min signal -95 dBm, 90% of each floor • 100% reliability factor • 800 MHz band • Adjacent band filtering • 12 hour battery backup
St. Petersburg, FL	<ul style="list-style-type: none"> - Draft under development 	<ul style="list-style-type: none"> • Min signal level -100 dBm 95 % of each floor; -95 dBm in stairwells & below grade

National Fire Protection Act

- **National Fire Protection Association & International Code Council**
 - Developing national level model codes/standards for in-building coverage
 - Public safety oriented
 - Specifies minimum signal levels, backup power, etc.
 - Technology neutral
 - Draft NFPA standard released for comment
 - Cities expected to begin to consider as part of local codes *in mid 2009*
 - Similar to requiring fire sprinklers
- **National Public Safety Telecommunications Council (NPSTC)**
 - NPSTC In-Building Working Group: Chaired by Motorola
 - “Best Practices for In-Building Communications” white paper available: <http://www.npstc.org/committeeTC.jsp>
 - “Best practices for In-Tunnel Communications” paper under development
- **In Building Wireless Alliance (IBWA)**
 - Promotes benefits of in-building coverage (cellular and public safety)
 - Motorola serves as public safety advisor

