



The National Communications System

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Mission:

***Assist the President,
NSC, OSTP and OMB***

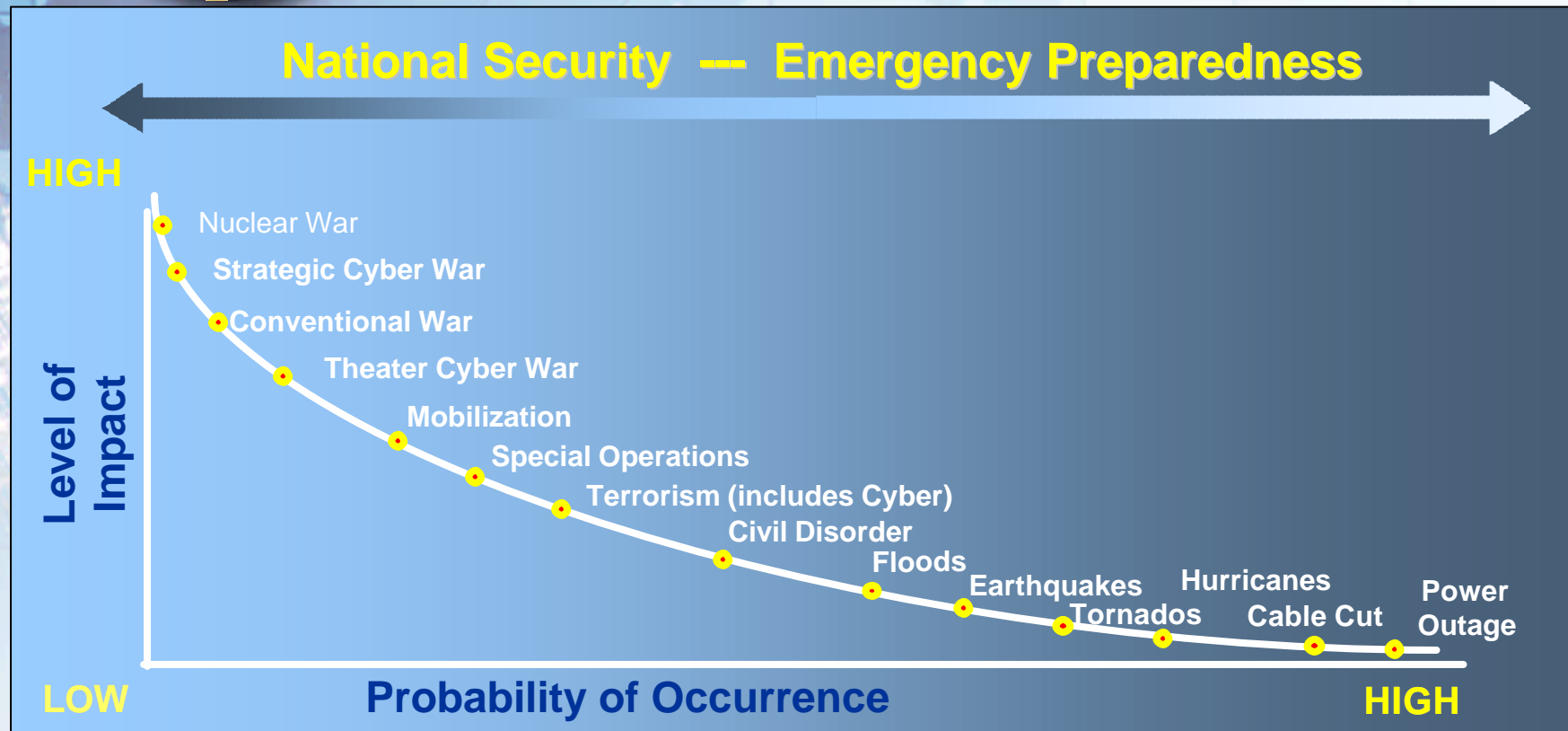
- In the exercise of the **telecommunications** functions and **responsibilities in wartime and non-wartime emergencies**
- In the coordination of the planning for and provision of **national security and emergency preparedness communications** for the Federal Government under all circumstances, including **crisis or emergency, attack, recovery and reconstitution.**

Bottom line: we assure the nation's telecommunications backbone

- Telecommunications: "Any transmission, emission, or reception of signs, signals, writing, images and sounds or intelligence of any nature by wire, radio, optical or other electromagnetic systems."
Source: Telecom Glossary 2000 and Government Convergence Task Force Report (2000); similarly in 47Code of Federal Regulations (1997).
- National Security Emergency Preparedness: "Capabilities to maintain a state of readiness or to respond to and manage any event or crisis (local, national, or international) that causes or could cause injury or harm to the population, damage to or loss of property, or degrade or threaten the national security or emergency preparedness posture of the United States."
Source: Telecom Glossary 2000



Spectrum of Threats





National Coordinating Center for Telecommunications (NCC) Mission

To assist in the initiation, coordination, restoration, and reconstitution of NS/EP telecommunications services or facilities under all conditions, crises, or emergencies



NS/EP USER COMMUNITY

- National Security Leadership

- National Security Posture and U.S. Population Attack Warning

- Public Health, Safety, and Maintenance of Law and Order

- Public Welfare and Maintenance of National Economic Posture

- Disaster Recovery

Non-Federal users
require Federal Agency
sponsorship



(* EOP: Executive Office of the President)



Current ACN Topology

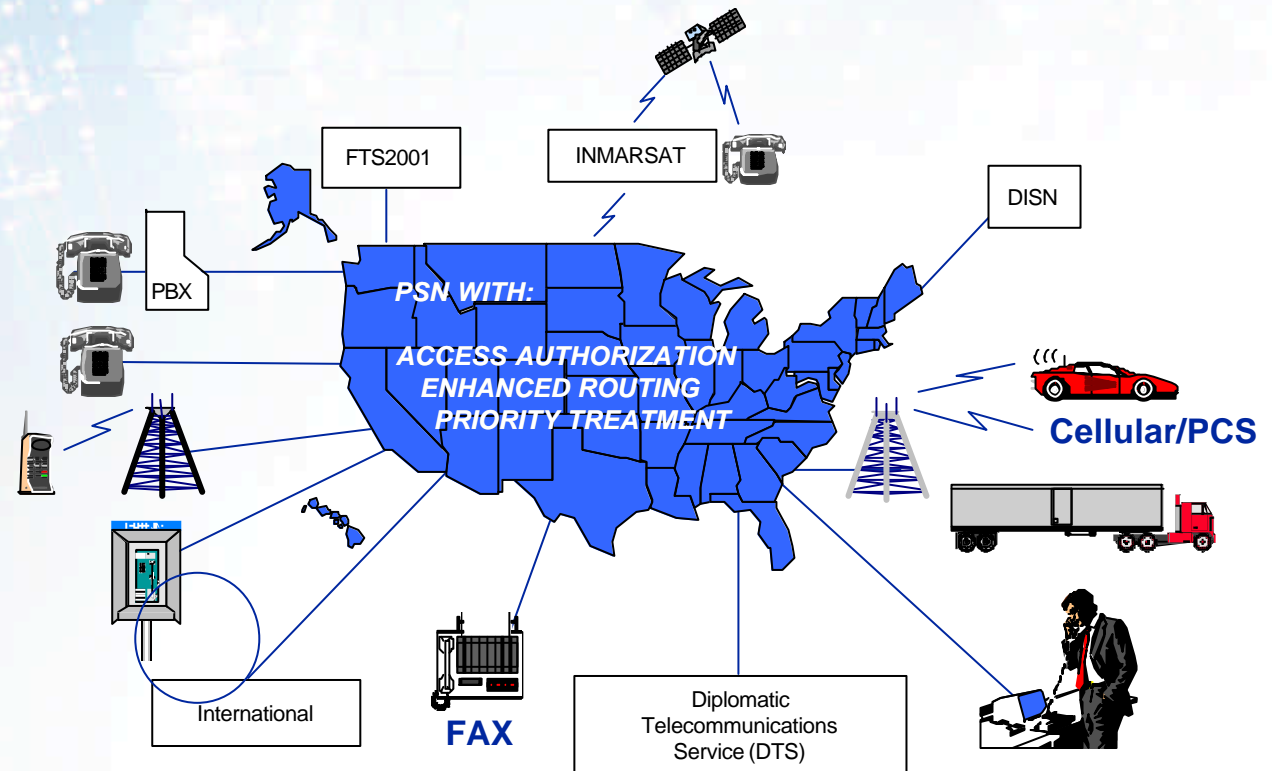




Government Emergency Telecommunications Service (GETS)

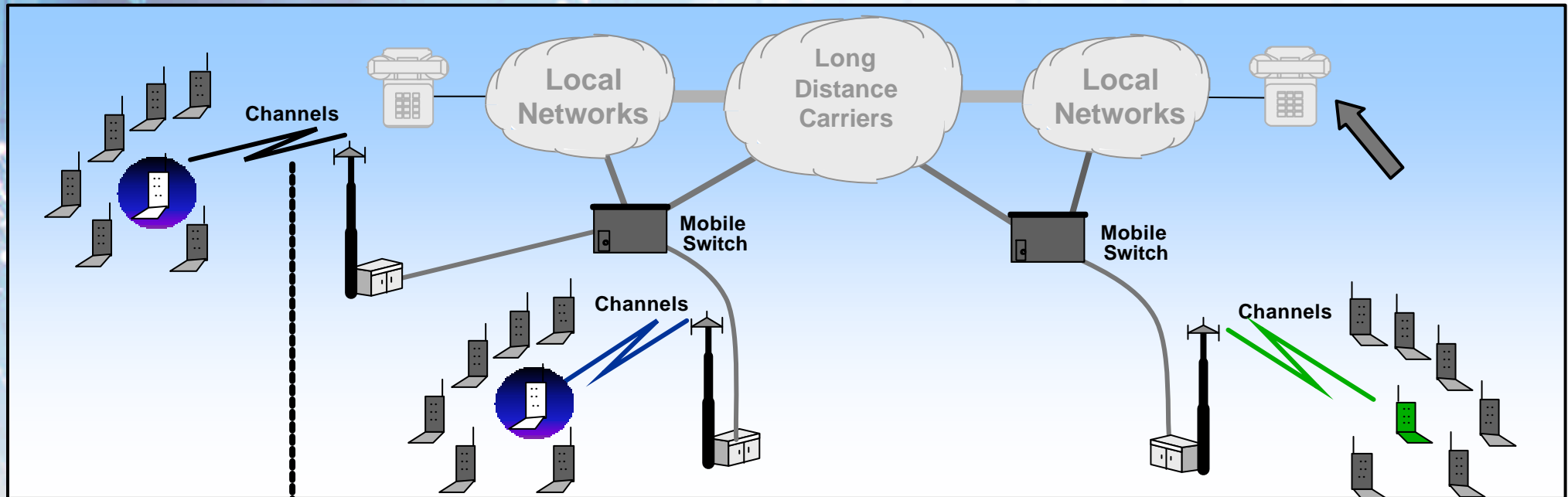
GETS established to provide emergency access and specialized processing in local and long-distance telephone networks for authorized users

GETS access is through a simple dialing plan and personal identification number (PIN)





Wireless Priority: IOC



NS/EP
Channel
Queuing



Implements *272
“on-demand”
FCC compliance

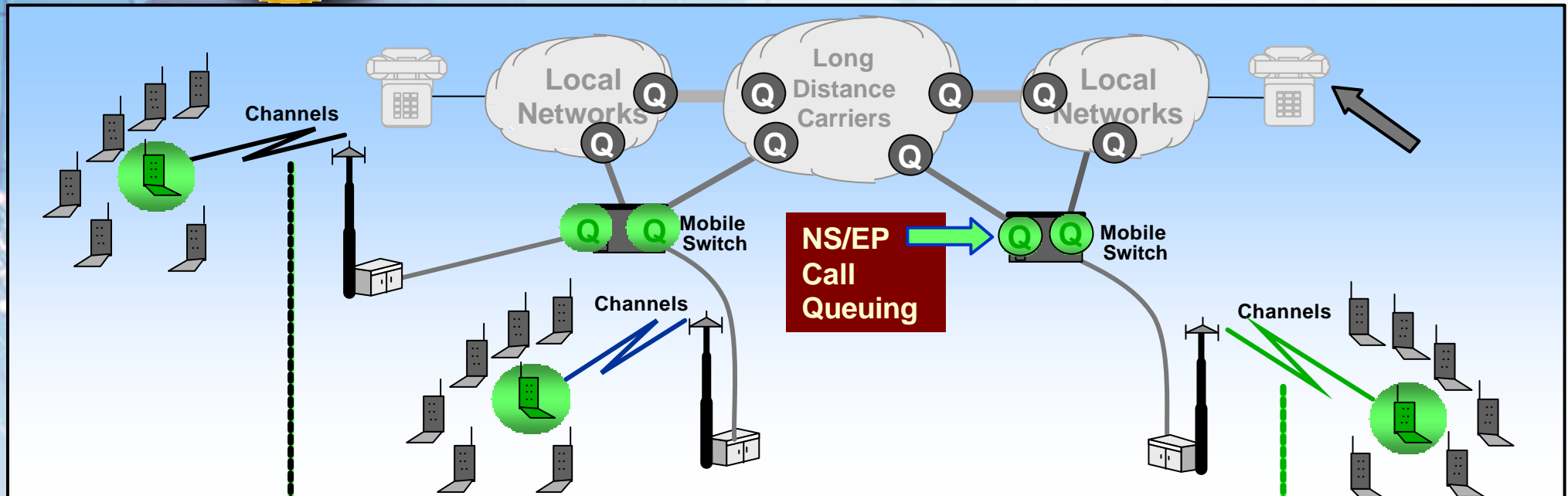
IOC
December 2002

Problem:

- Priority entry, but no priority throughout or exit



Wireless Priority: FOC



NS/EP
Channel
Queuing



FOC
December 2003

NS/EP
Channel
Queuing



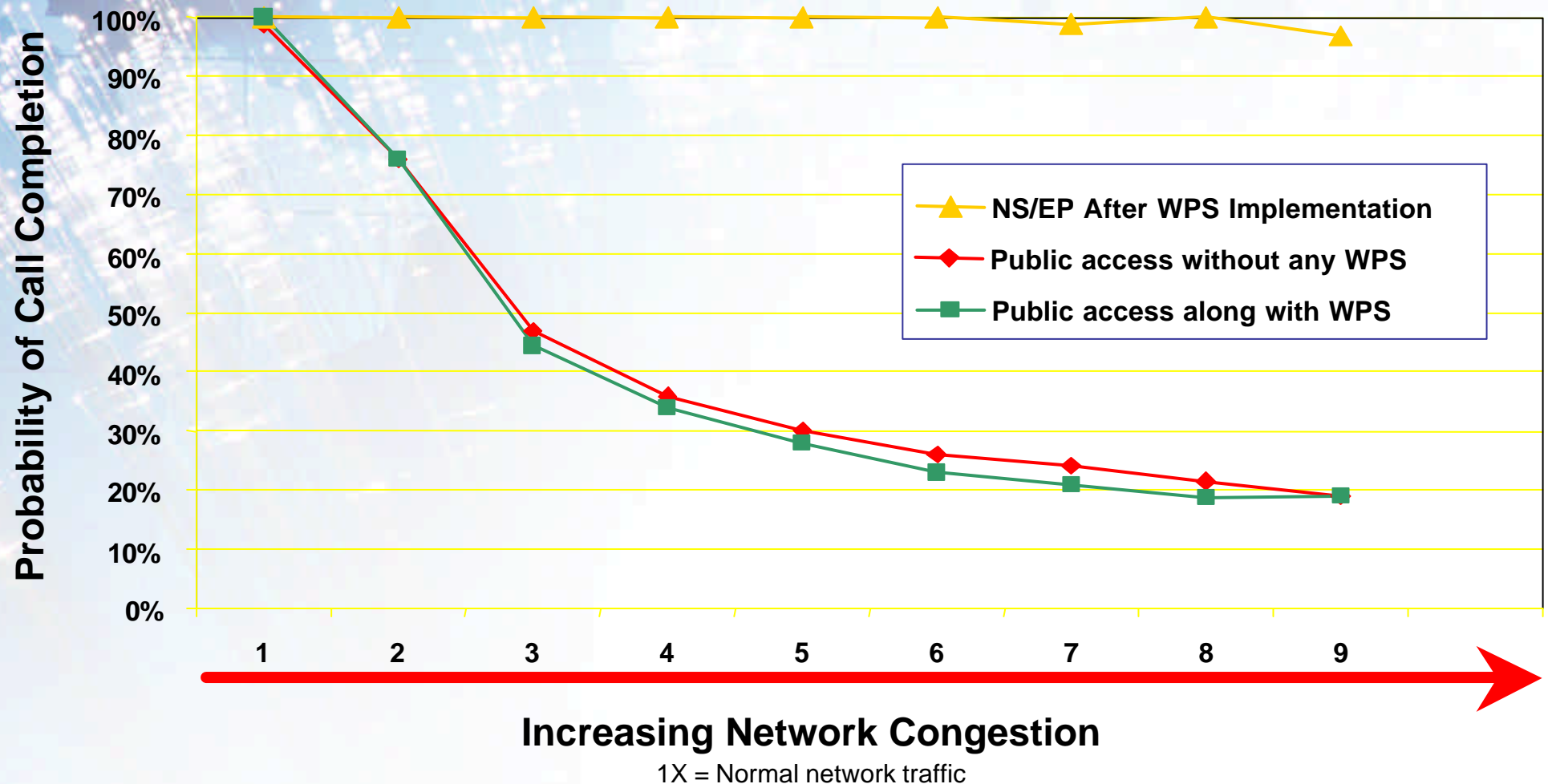
Nationwide Solution:

- “Anywhere, anytime” queuing for next available channel integrated with GETS
- Special access code to activate
- Conforms to FCC rules
- End-to-end priority with 4 GSM carriers



Wireless Priority Services – Performance Impact

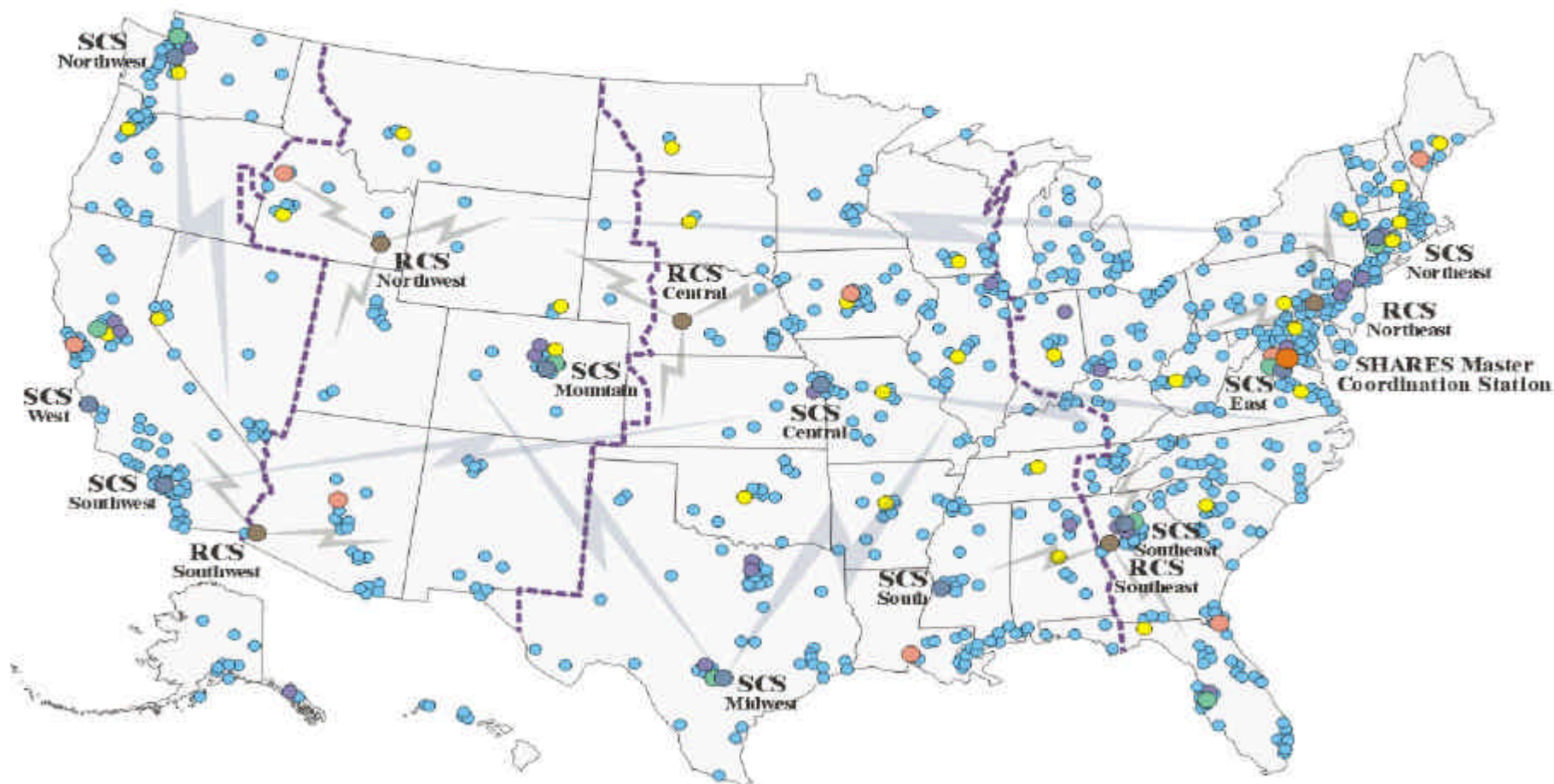
Expected WPS Performance and Public Impact





SHARES HF Radio Program

SHARES Coordination Network



Station Location		
● SHARES Master Coordination Station	● Federal Stations	● ALE Stations
● SHARES Coordination Stations	● State Stations	● BBS Stations
● Regional Coordination Stations	● Industry Stations	

SCN Channels	
1 - Regional Voice	3 to 8 - ALE Ops
2 - National Voice	9 & 10 - BBS Ops