

## **ANSS GOALS**

### **USGS Circular 1188 (1999) [following text reproduced from sec. 3.3, p. 20]:**

The national workshop participants who worked together in June 1998 to shape the core message of this report (see Preface) reached a consensus on four fundamental goals for an Advanced National Seismic System.

- Establish and maintain an advanced infrastructure for seismic monitoring throughout the United States that operates with high performance standards, gathers technical data, and effectively provides information products and services to meet the Nation's needs. An Advanced National Seismic System should consist of modern seismographs, communication networks, data processing centers, and well-trained personnel; such an integrated system would constantly record and analyze seismic data and provide timely and reliable information on earthquakes and other seismic disturbances.
- Continuously monitor earthquakes and other seismic disturbances throughout the United States, including earthquakes that may cause a tsunami or precede a volcanic eruption, with special focus on regions of moderate to high hazard and risk.
- Thoroughly measure strong earthquake shaking at ground sites and in buildings and critical structures. Focus should be in urban areas and near major active fault zones to gather greatly needed data and information for reducing earthquake impacts on buildings and structures.
- Automatically broadcast information when a significant earthquake occurs, for immediate assessment of its impact. Where feasible, for sites at distance from the epicenter, broadcast an early warning seconds before strong shaking arrives. Provides similar capabilities for automated warning and alert for tsunamis and volcanic eruptions.

### **Open-File Report 02-92 (1992) [following text from sec. 1.1, p.2]:**

"The proposed ANSS organization . . . reflects ANSS goals of coherent national integration, highly dependable rapid response, uniform high-quality earthquake products, and widely available data sets."