

**COMMISSION BRIEFING SLIDES/EXHIBITS**

**MEETING WITH WORLD ASSOCIATION  
OF NUCLEAR OPERATORS**

**MAY 16, 2002**

# **UPDATE ON WANO**

**Zack T. Pate**

**Chairman**

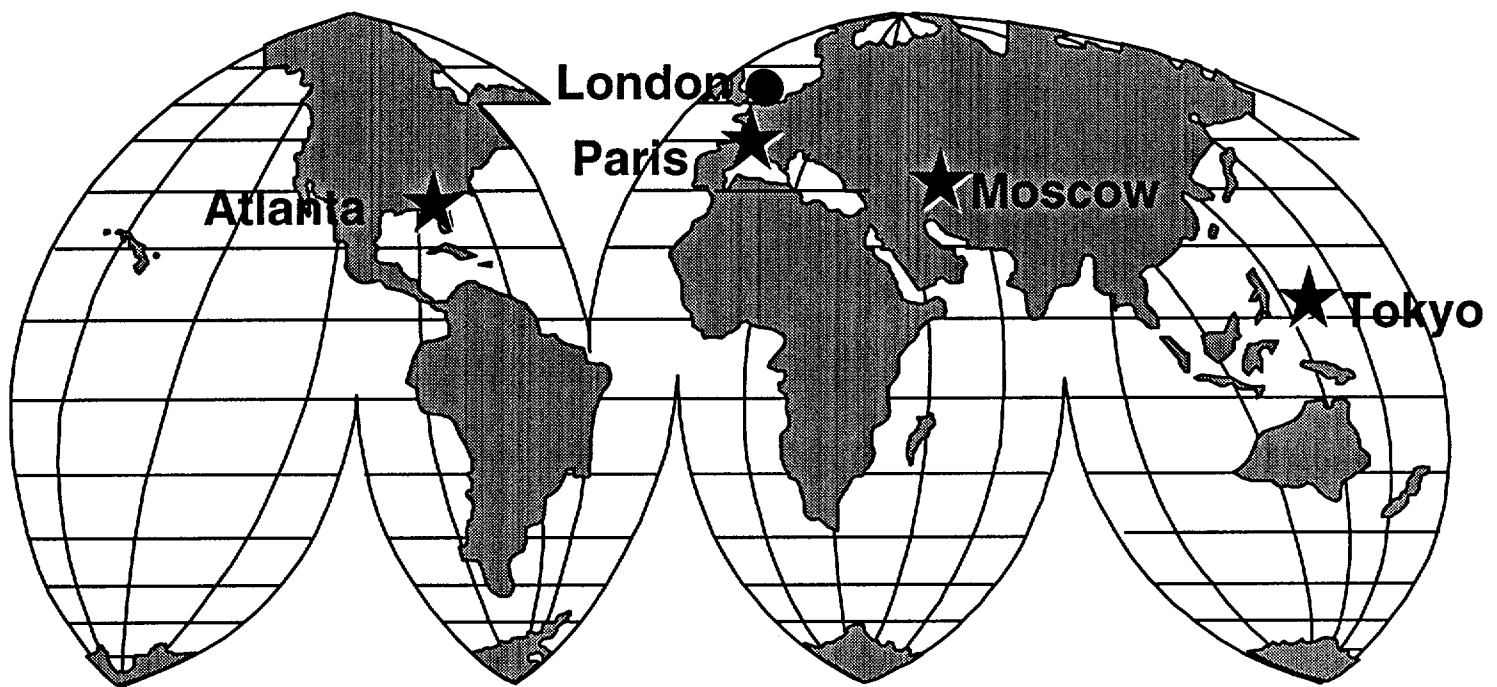
World Association of Nuclear Operators

# WANO Mission



To maximize the safety and reliability of the operation of nuclear power plants worldwide

# WANO Organization



**Coordinating Center ●**  
**Centers**

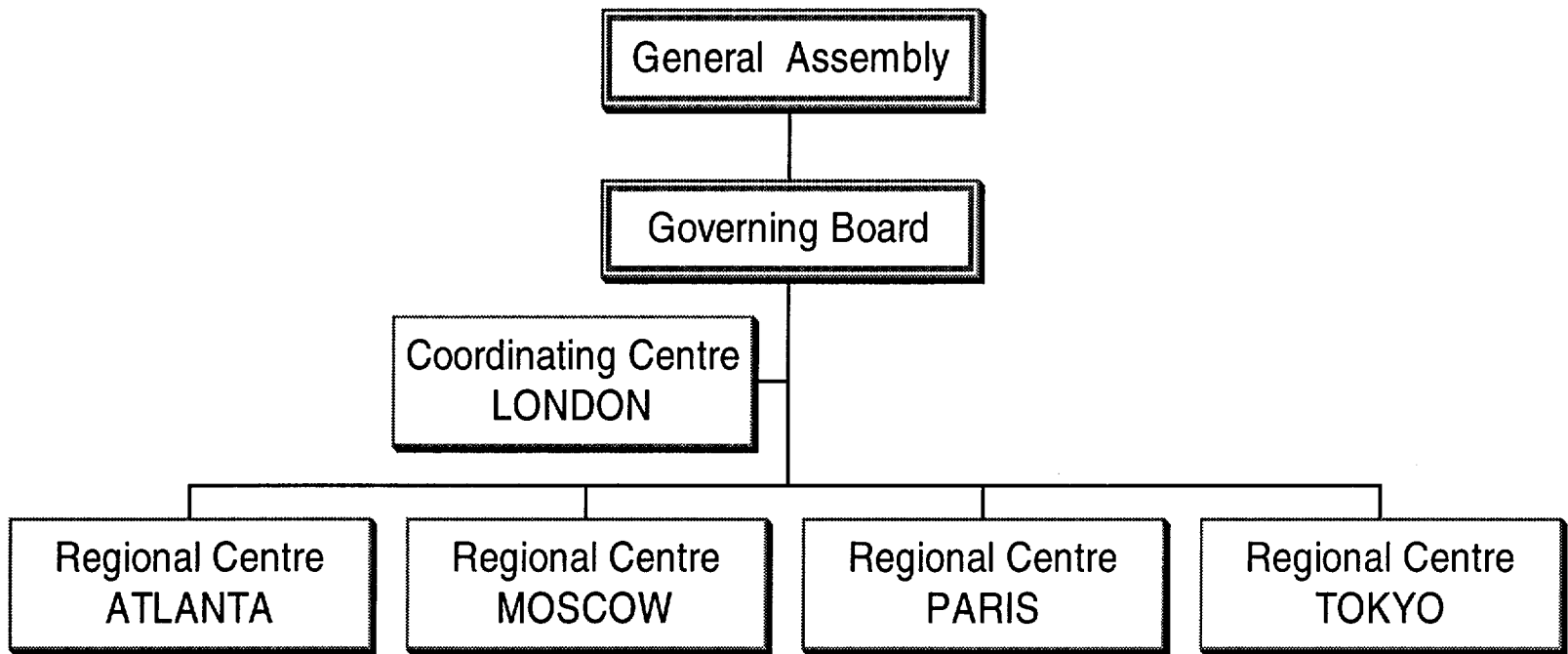
**Regional**



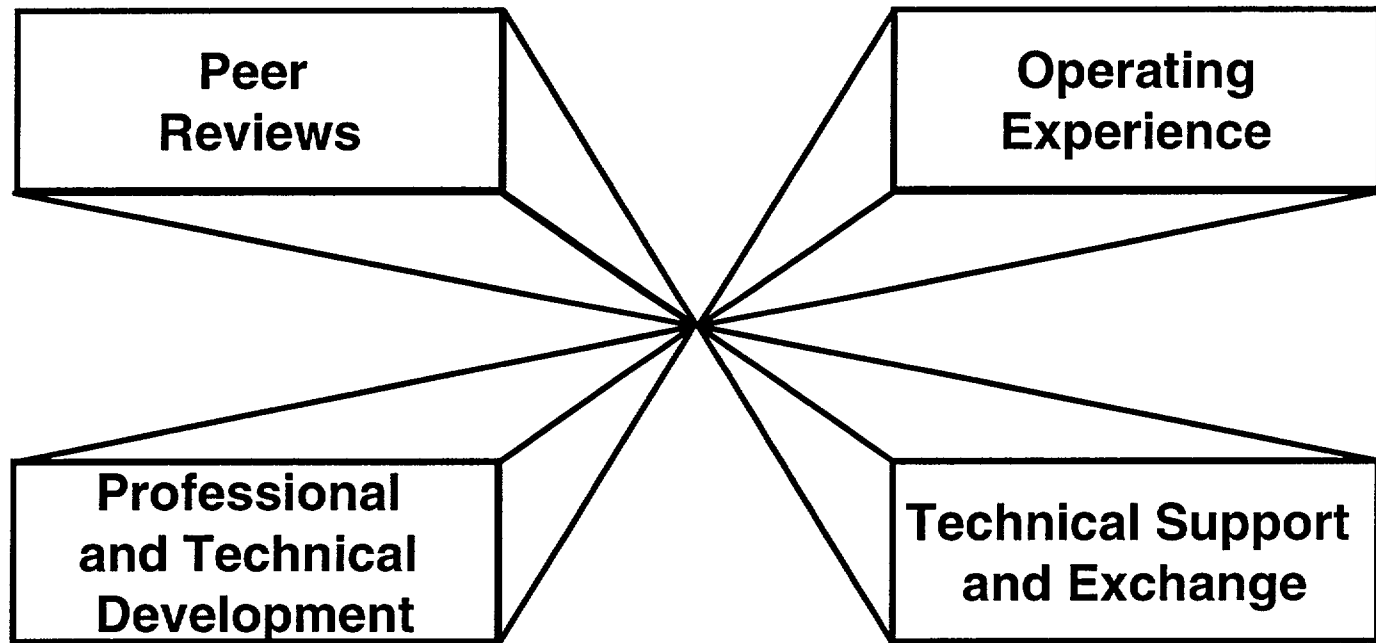
# WANO Chronology

- October 1987 Planning Meeting in Paris
- May 1989 Inaugural Meeting in Moscow
  - Lord Walter Marshall elected Chairman
- April 1993 Biennial General Meeting in Paris
  - Rémy Carle elected Chairman
- May 1997 Biennial General Meeting in Prague
  - Zack Pate elected Chairman
- July 2002 45<sup>th</sup> Governing Board Meeting in Kiev
  - Hajimu Maeda will succeed Zack Pate as Chairman following meeting

# WANO Structure



# WANO Programs



# **WANO Atlanta Center Member Countries**

- Brazil
- Canada
- India
- Mexico
- Pakistan
- Romania
- Slovenia
- United States



# **WANO Moscow Center Member Countries**

- Armenia
- Bulgaria
- Cuba
- Czech Republic
- Finland
- Hungary
- Iran
- Kazakhstan
- Lithuania
- Poland
- Russia
- Slovak Republic
- Ukraine

# **WANO Paris Center Member Countries**

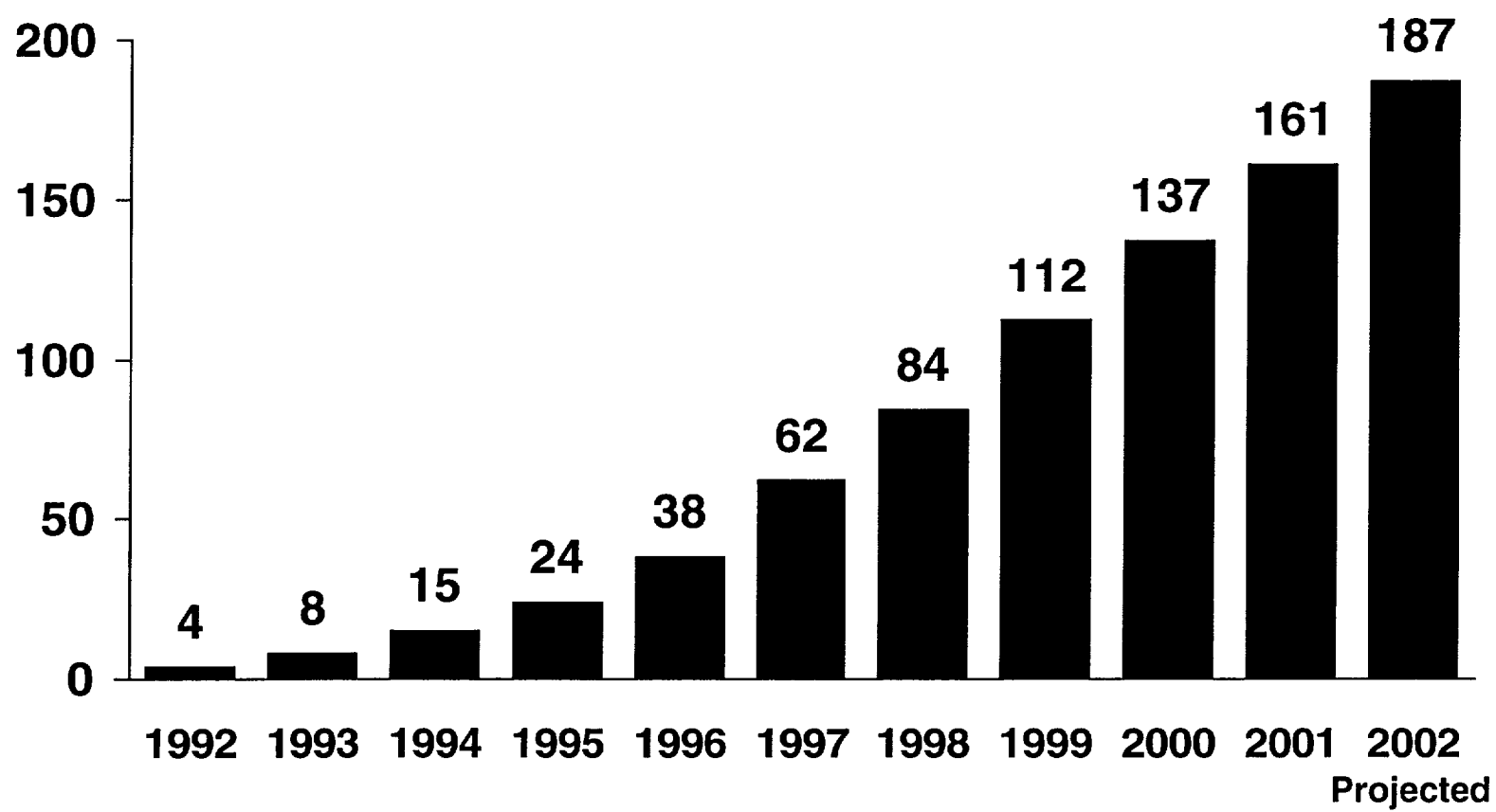
- Argentina
- Belgium
- Brazil
- China
- Finland
- France
- Germany
- Netherlands
- South Africa
- Spain
- Sweden
- Switzerland
- United Kingdom

# **WANO Tokyo Center Member Countries**

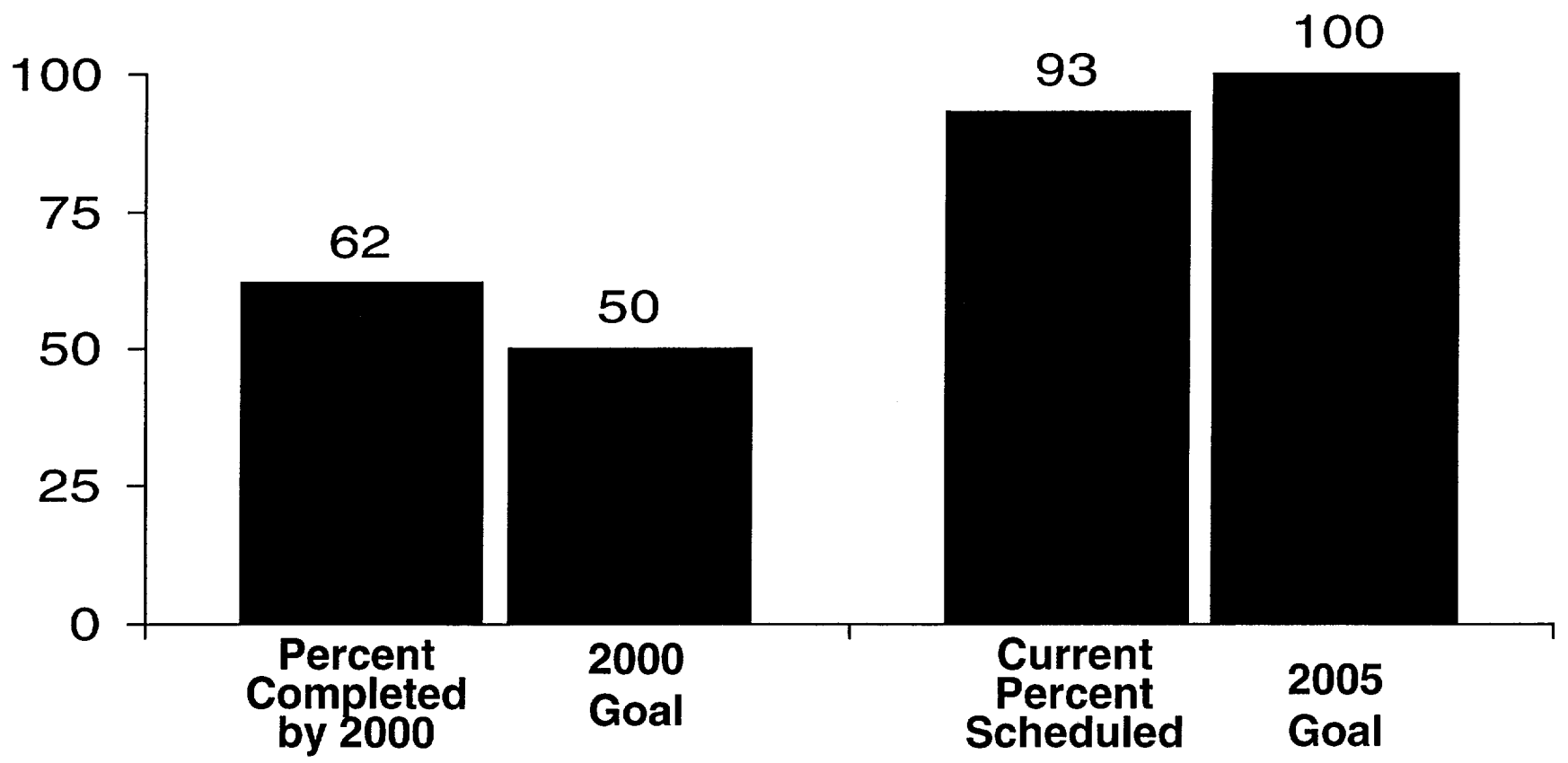
- China
- India
- Japan
- Korea
- Pakistan
- Taiwan

# Peer Review History

## *Cumulative*

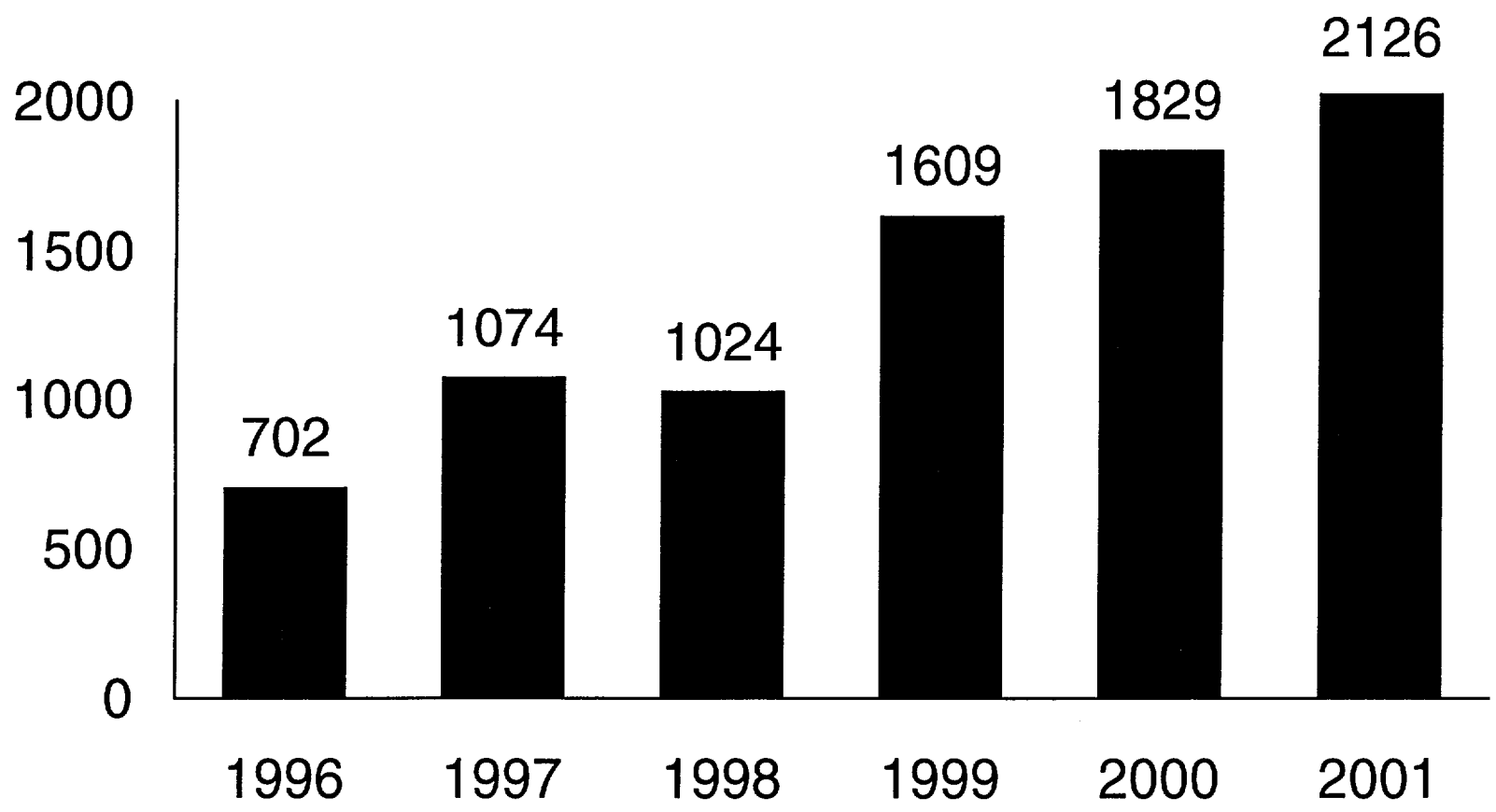


# Peer Review Goals



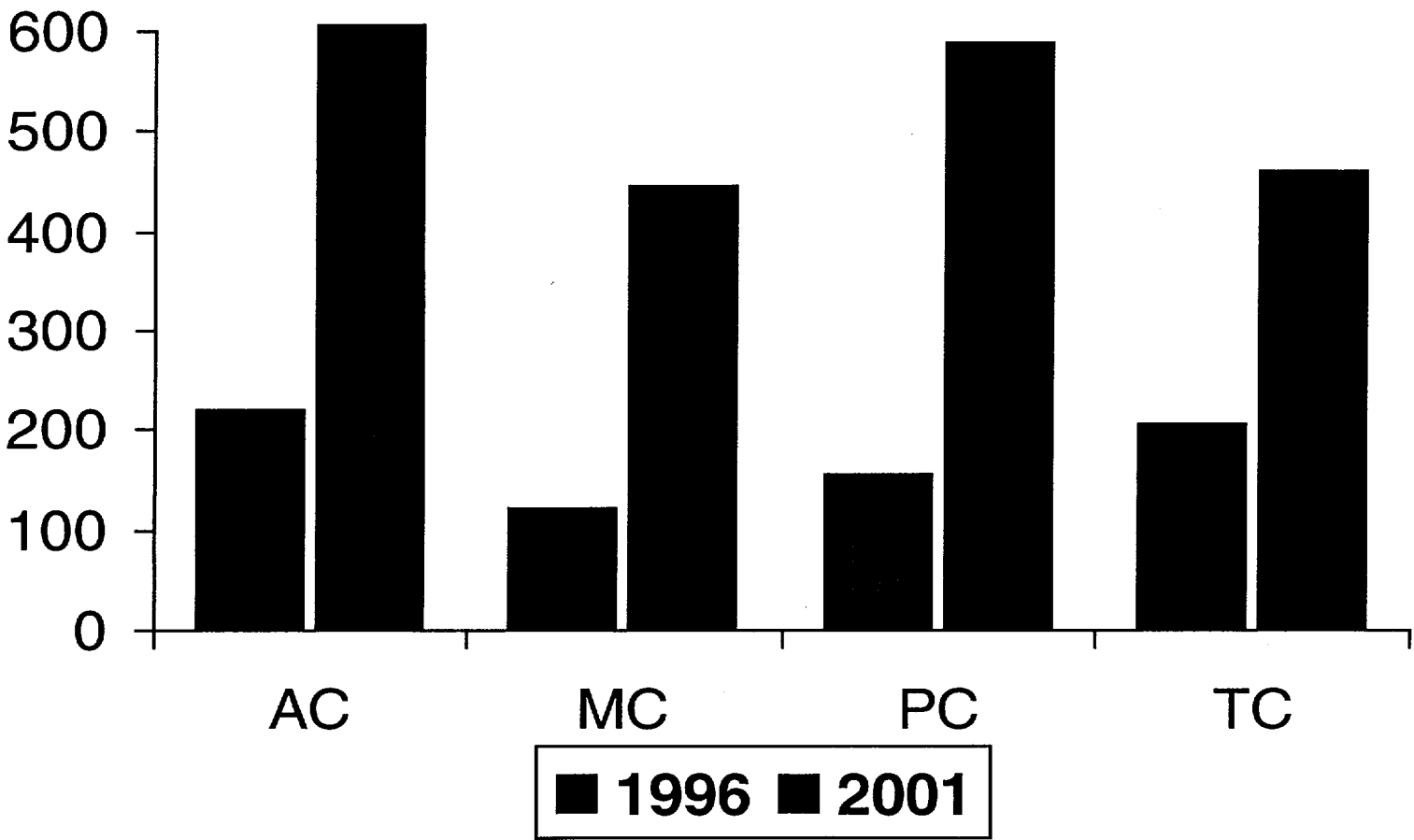
# Member Participation

## *WANO Workshops and Seminars*



# Member Participation

## *WANO Workshops and Seminars*

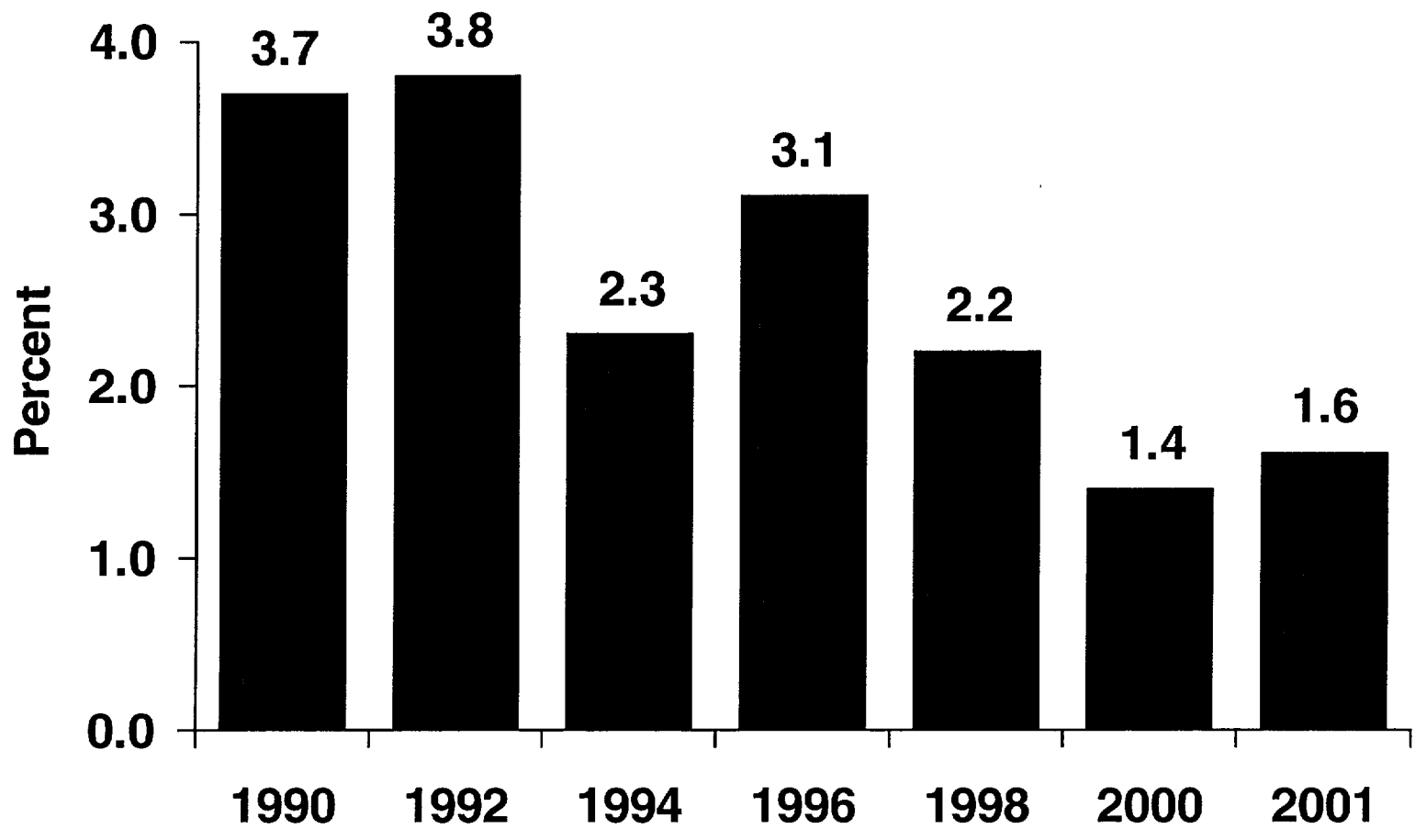


# Participation

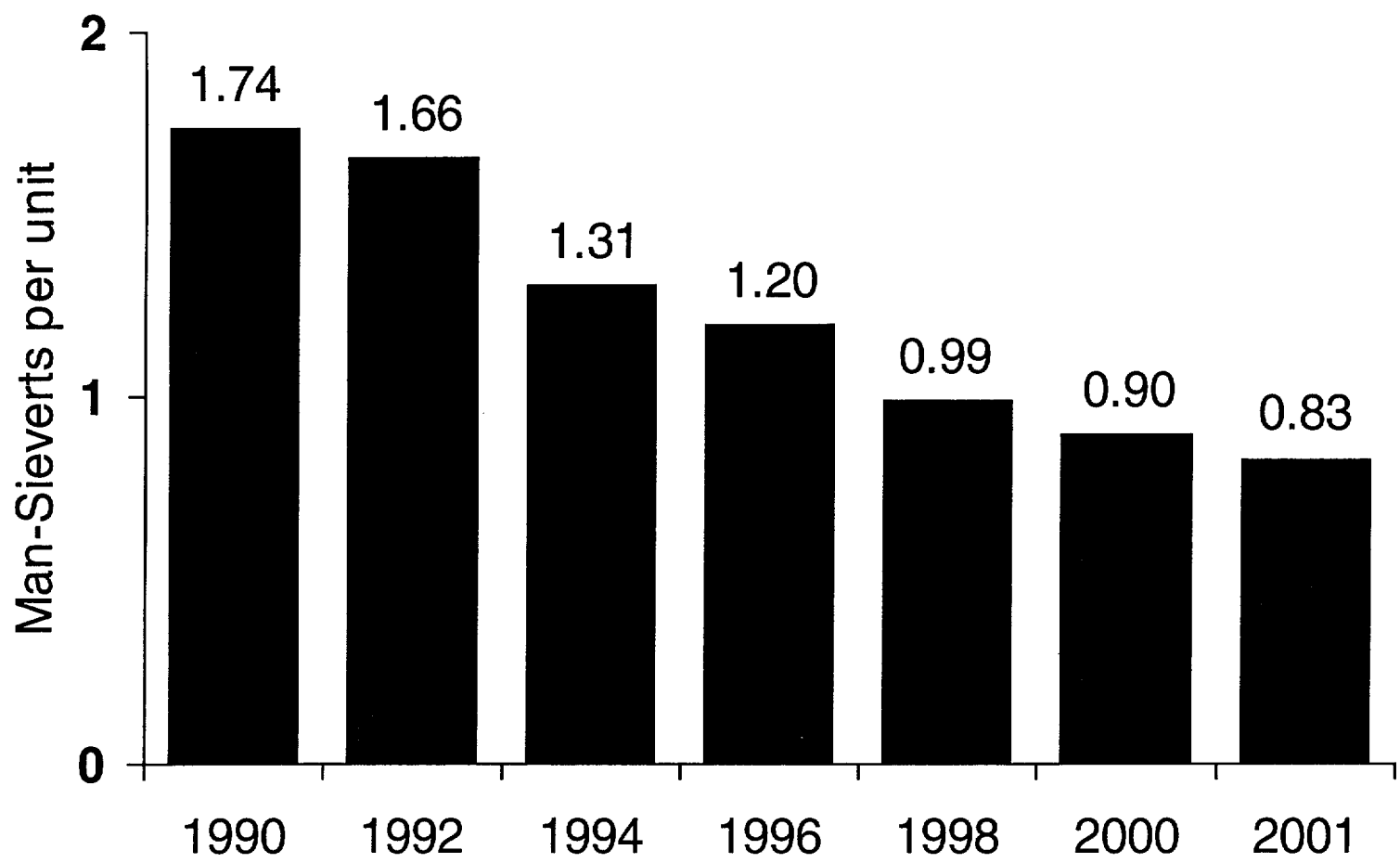
- Organizations in 32 countries own and operate the world's 440 commercial nuclear power plants. All these organizations are members of WANO.
- At its recent WANO Biennial General Meeting in Seoul, South Korea, all 32 countries were represented by more than 300 delegates.



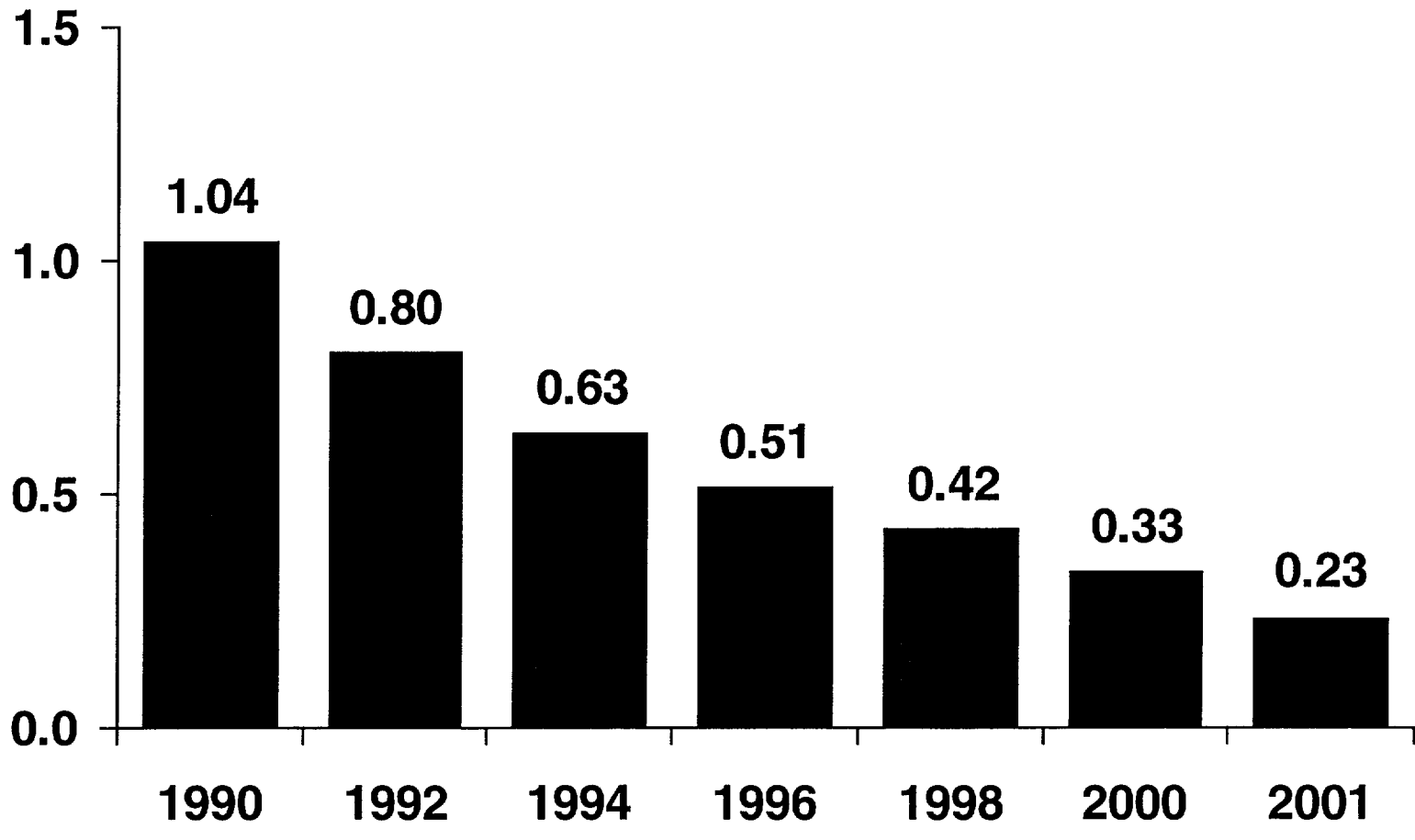
# Unplanned Capability Loss Factor



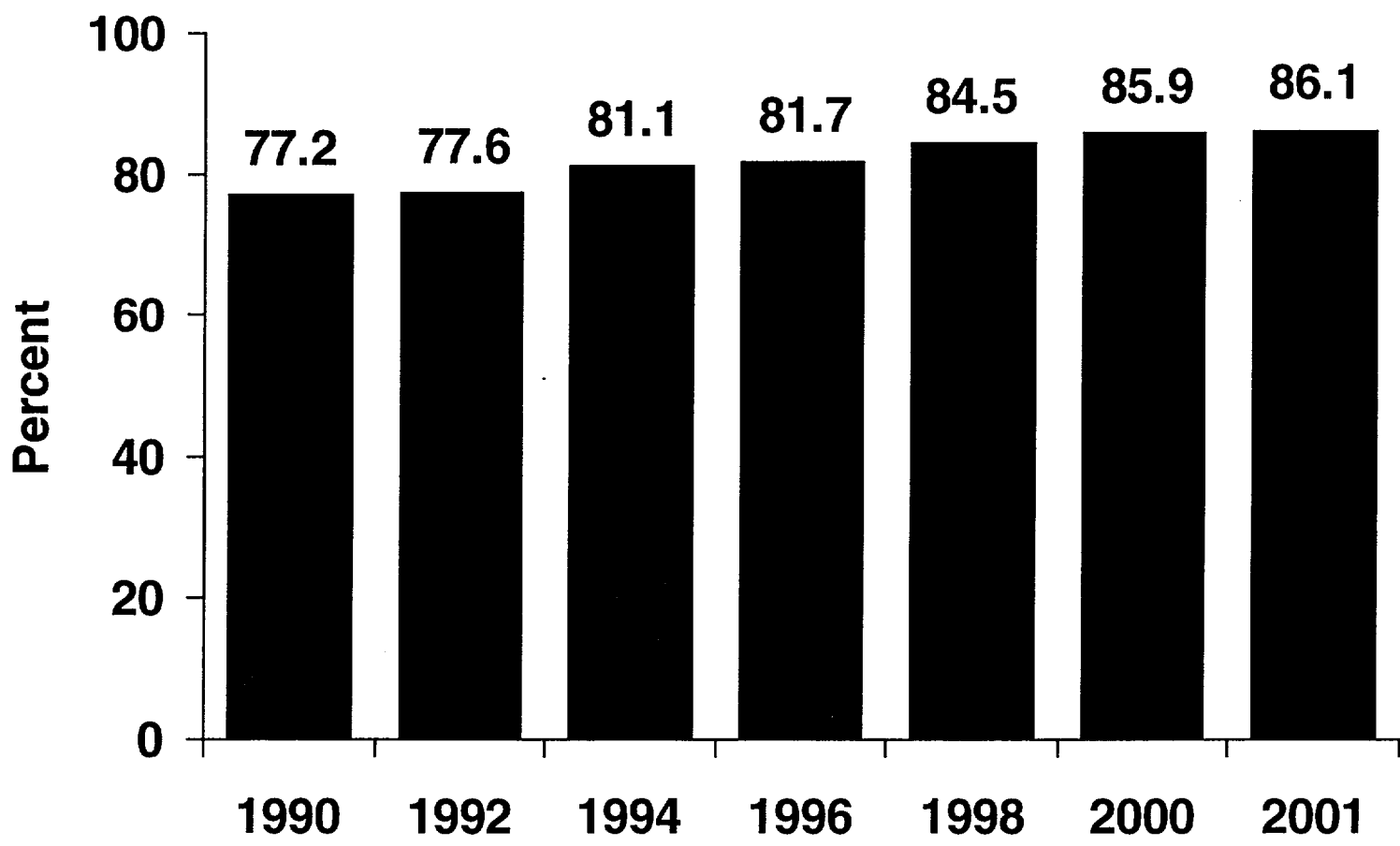
# Collective Radiation Exposure



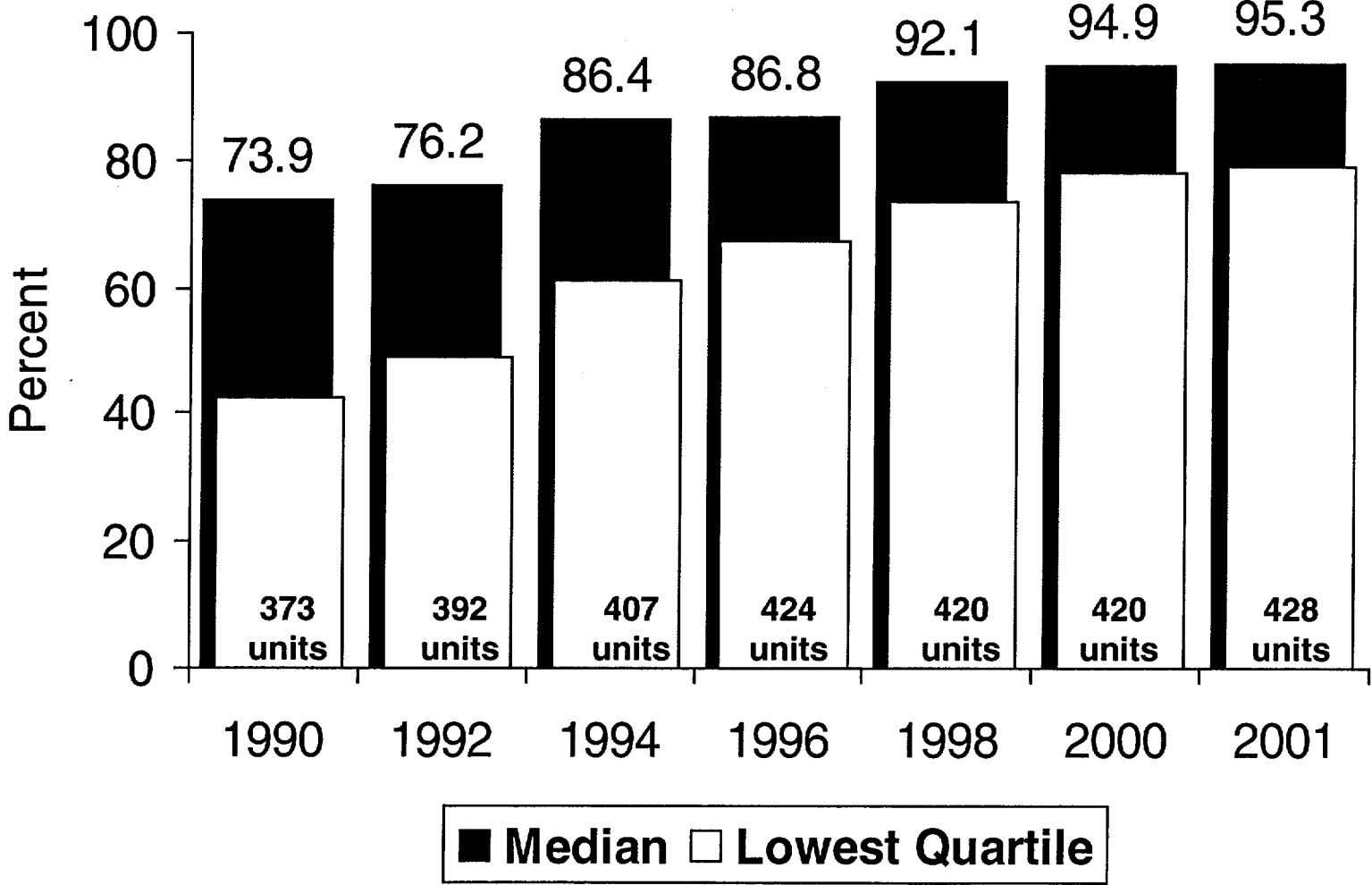
# Industrial Safety Accident Rate



# Unit Capability Factor



# Index of Worldwide Performance



# WANO Challenges

- Encouraging and achieving a greater level of participation by some members --- especially for the very small number of members whose participation is minimal;
- Continuing to improve the resources for some regional centers, as well as the experience level of some regional staff positions; and
- Continuing to improve the quality of our programs.