

J101(G84)

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Proposal Abstract J101(G84)

1. **Arms Control Problem:**  
Nuclear weapons - comprehensive test ban
2. **Verification Type:**
  - (a) Remote sensors
  - (b) Seismic sensors - international network
  - (c) International exchange of information
  - (d) On-site inspection - obligatory
  - (e) International control organization
3. **Source:**  
Australia. "Working paper: Principles for the verification of a comprehensive nuclear test ban treaty". CD/531, 6 August 1984.
4. **Summary:**

This working paper outlines the principles and components of a verification system for a CTBT. The system would involve national and international measures including:

  - (1) national technical means;
  - (2) an international seismic detection network;
  - (3) an international atmospheric detection network;
  - (4) other international detection systems deemed necessary (i.e. using other technologies);
  - (5) on-site inspection; and
  - (6) a multilateral organ or organs to handle consultation, cooperation and complaints.

The international detection network should be established using the knowledge accumulated by the Ad Hoc Group of Scientific Experts to Consider International Cooperative Measures to Detect and Identify Seismic Events. The seismic monitoring system should consist of: a network of seismic stations, an international exchange of seismic data, and international data centres. On-site inspection would be mandatory.