

K28(G77)

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PROPOSAL ABSTRACT K28(G77)

1. **Arms Control Problem:**
Nuclear weapons - comprehensive test ban
2. **Verification Type:**
 - (a) Seismic sensors - international network
 - (b) International exchange of information
3. **Source:**
Japan. "Working paper on seismic array stations". CCD/524, 24 February 1977.
See also: - CCD/PV.733, 3 March 1977; and
- "Working paper on focal depth resolvability of a multi-array stations system". CCD/540, 3 August 1977.
4. **Summary:**
CCD/524 paper is a technical discussion of location capability of a multi-array seismic station network. It concludes that it would be possible to locate and even verify small yield blasts (i.e. 20-30 kt) using the existing seismic network if a better data exchange system could be arranged between an appropriate number of array stations.
It might be possible to use a existing data exchange system (such as the World Meteorological Organization) to connect the main array stations. Experimental work on location could be undertaken using such a network.