

reliability, and functioning in an industrial environment. This research should be stimulated as the time-frame for this development may prove sufficient for application when the Convention enters into force.

Further studies are needed to show the feasibility of using automated process monitoring systems for verification purposes.

Seals, surveillance and containment

Tags, seals, containment and surveillance techniques have been developed and rigorously tested to meet e.g. the IAEA requirements. The systems are commercially available but need adaptation to CWC purposes. In some cases expense and the enormous size and dispersion of the collective chemical stockpiles may make the system impractical.

Data transmission systems and system for tracking the cargo at all times are commercially available but have not been used for verification purposes. Further work to establish their applicability is needed.

Sampling, packaging, sample custody, and transport

Commercially available portable equipment for samplertaking and packaging exist but need further study. Samples taken to designated laboratories should be carefully coded for doubleblind analysis. The importance of the chain of custody was clearly expressed. The difficulties in the transport of samples was recognized. The group considered it worthwhile that high level contacts be established with appropriate organizations in the near future.

Interrogation techniques

Non-destructive interrogation techniques were considered worth further studying in order to reduce the number of munitions in the storages which have to be opened for samling. Extensive development is