

REPORT ON INSTRUMENTAL MONITORING OF NON-PRODUCTION IN FACILITIES
DECLARED UNDER ANNEX 2 TO ARTICLE VI

During the 1988 session, consultations were held on instrumental monitoring of non-production in facilities declared under the Annex to Article VI 2. This report summarizes the results of the consultations, as seen by the rapporteur, Dr. Rautio (Finland).

It was suggested that it is preferable to have only a few general paragraphs in the Convention regarding instrumental monitoring. Detailed provisions for a particular facility will be included in the facility attachment tailored for each facility according to the guidelines presented in the Model Agreement.

It was also suggested that depending on a number of factors laid out in CD/831 and possibly the preference of the facility, the facility may be:

- (i) monitored with on-site instruments and visits by Inspectors; or
- (ii) monitored only by visits of Inspectors, but at a higher frequency than if there were also monitoring by on-site instruments.

Inspectors and instrumental monitoring should be considered complementary. Instruments cannot replace Inspectors but they could reduce the need for inspection. In cases where instrumental monitoring is not feasible or desirable, the number of inspections might need to be higher than if instruments were used. Instrumental monitoring would be needed in cases where continuous monitoring is required.

Specific verification objectives

- (i) Facilities declared under Annex to Article VI 2 are not used to produce any chemical listed in Schedule 1.
- (ii) The quantities of chemicals listed in Schedule 2 produced, processed or consumed are consistent with needs for purposes not prohibited by the Chemical Weapons Convention.
- (iii) The chemicals listed in Schedule 2 are not diverted or used for purposes prohibited by the Chemical Weapons Convention.

(i) Monitoring the non-presence of chemicals in Schedule 1

The objective would necessitate either continuously-operating chemical sensors or sampling and subsequent analysis of the samples, preferably on-site. Off-line analysis of the samples during an on-site inspection could be adequate. If all production at facilities producing chemicals in Schedule 2 were declared, then detection of any undeclared chemical would indicate an anomaly.