

#### 4. Approaches for the inspection of suspected production of chemical weapons

##### 4.1 Verification principles

(a) The verification principles applicable to verify such a suspicion are:

(i) in case of a suspicion of production of chemical weapons via clandestine production of chemicals listed in Schedule [1] of the Convention: Detection of anomalies;

(ii) in case of a suspicion of production of chemical weapons via clandestine diversion of chemicals not listed in Schedule [1] of the Convention: Combination of anomaly detection and material balance verification as appropriate.

(b) An anomaly of the nature of conclusive evidence is:

(i) the confirmed positive identification of a chemical listed in Schedule [1] of the Convention, except there is a proven statement that the inspected facility is entitled, under the provisions of Article VI of the Convention, to handle these materials;

(ii) the encounter of weapons components of chemical weapons as defined in Article II of the Convention.

(c) An anomaly of the nature of supportive evidence will be any condition encountered during the inspection which might be the result of clandestine chemical weapons production, which in the absence of any explanation for its existence supported by facts, does not allow to reach a conclusion on the validity or invalidity of the allegation. Such anomalies may, inter alia, be:

(i) the detection of a difference in a material balance of a production verified during the inspection bigger than the significant quantity as defined in ... without the actual encountering of chemical weapons;

(ii) the presence of special equipment, installations or design features at the facility which the inspection team considers indicative of the suspected activities, such as the presence of unusual numbers of chemical sensors, high containment features, decontamination equipment, special waste treatment, installations or others;

(iii) the detection of unexpected medical findings which make exposure to Schedule [1] chemicals highly probable.