

Symposium on International Safeguards: Linking Strategy, Implementation and People - IAEA CN-220



Contribution ID: 109

Type: oral

Overview of Conducted Field Trials at URENCO - An Operator Perspective

Thursday, 23 October 2014 14:10 (20 minutes)

Field trials are an important instrument to test new safeguards equipment or methods if the new systems work in operational environment as foreseen. Circumstances can be much different in real facilities than laboratory surroundings. Also company policies (e.g. IT security) can give limitations to the implementation of new systems.

URENCO recognises its responsibility for international safeguards and therefore supports safeguards authorities on a voluntary basis. Field trials, however, can only be carried out within the organisational, operational and security boundaries in order to avoid unnecessary interference in production or with security obligations. Beyond that, URENCO as operator needs to be convinced about the benefit of a particular field trial:

Does the equipment/method to be tested deliver:

- direct benefits for URENCO operations?
- potential for reduction of safeguards efforts from an operator standpoint? or
- obvious potential for enhancing safeguards systems?

Several field trials have already been carried out on URENCO sites until today. Some of them have led to practical implementation; others are still under development.

This presentation/paper will focus on the field trials conducted over the years at the URENCO Group. Some examples will be given; e.g. loadcells, mailbox approach, enrichment monitors, NDA equipment. The author will give his operator perspective to questions on:

- how successful were the trials?
- have they led to implementation?
- were there any constraints?
- how was the cooperation?

Country or International Organization

The Netherlands

Primary author: VELDHOF, Roy (URENCO Nederland)

Presenter: VELDHOF, Roy (URENCO Nederland)

Session Classification: Safeguards at Enrichment Facilities