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CWC verification challenges - need for a paradigm shift?

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Some recent observations

"the Convention clearly sets out the hierarchy of risks posed by different chemicals to its The object and purpose. verification regime under Article must therefore correspond to the hierarchy of risks inherent to the respective category of chemicals. shift in the distribution of inspections which is contrary to this hierarchy would signal a departure from the fundamental principles of the verification regime ..."

RC-2/NAT.5

"... it is important to ... further enhance [the verification system].... In doing so, new scientific, technological, and industrial developments need to be taken into account. Today's risks and challenges are not necessarily the same as those that existed when the Convention's negotiations were concluded in September ... [The] verification 1992. regime has to reflect this rapidly evolving environment in the field of chemistry. " RC-2/NAT/13

Some recent observations

The SRC noted that the Annex on Chemicals of the Convention clearly sets out the different levels of risk posed by scheduled chemicals ... In this context, the SRC recalled that the selection of a particular facility or plant site for inspection shall take into account, besides the risk posed by the relevant chemical, inter alia, the characteristics of the facility and the nature of the activities carried out there.

CW past/present





- State CW programs
 - Complex set of criteria for agent selection >>> limited number of agents actually selected
 - Risk perceptions based on past weaponisation, but need for 'safety nets'
 - Scenarios geared towards battlefield use ('militarily-significant quantitieas')
- CW proliferation concerns
 - State proliferators
 - 'Proliferation-significant' quantities
- Industry participation/support
 - Technically sound system of verification
 - Intrusion and burden kept to necessary minimum

The resulting CWC verification system

- Balance of routine and challenge inspection
- Routine system based on Schedules and thresholds
- OCPF regime as 'safety net' for 'capable' facilities in the chemical industry
- Challenge inspection as 'safety net' against violations, including at undeclared facilities

New realities









New realities (2)





What should CWC verification aim for?

- Non-resumption of production of traditional CW
 - Schedules, better-targeted OCPF regime
- Detect/deter State activities related to novel agents
 - Add new compounds to the Schedules
 - Risk-based evolution of OCPF verification regime
- Help preventing misuse of dual-use chemicals
 - Verification of new types of facilities/activities (e.g., peptides, bioregulators, toxins)?
 - Other governance measures (confidence building, national, self-regulatory, civic society)
- Help identifying weaknesses in national implementation systems
 - Feedback between VER and ICA activities / results?

Necessary adjustments (mentally and in practice)

- List-based ----> GPC-based
 - Example from export controls: catch-all clause
- Constrained by declaration data ----> use of "information available to the Technical Secretariat"
 - Example nuclear safeguarding, environmental laws
- Inspection as primary verification tool ----> comprehensive evaluation of all available information for verification purposes
- OPCW implementation work in "pillars" ---->
 exploiting synergisms between verification,
 international cooperation, national implementation
- Synchronized with national oversight, selfregulatory measures, education and outreach

