Monitoring and Verification Regime of the Chemical Weapons Convention

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What is chemical weapon?





2.

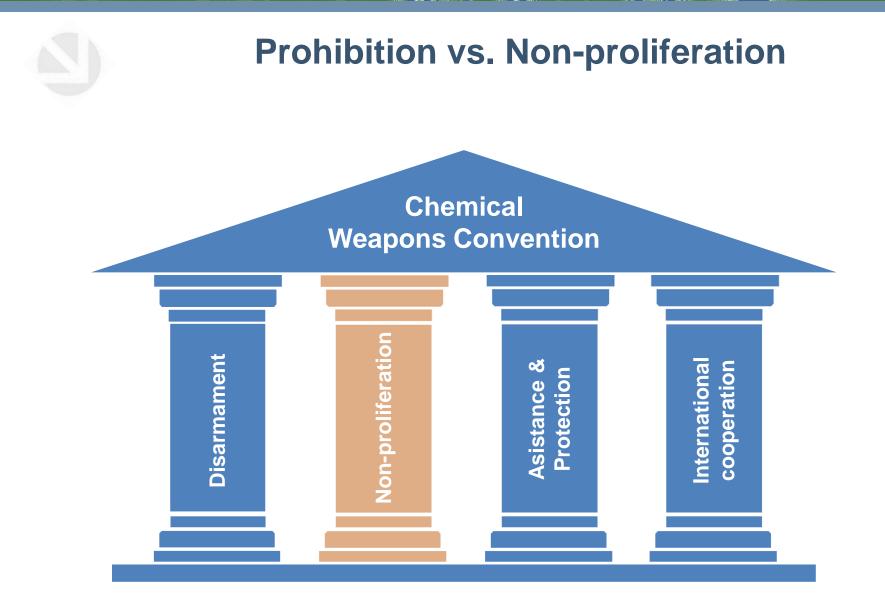


3.

Toxic chemicals and precursors

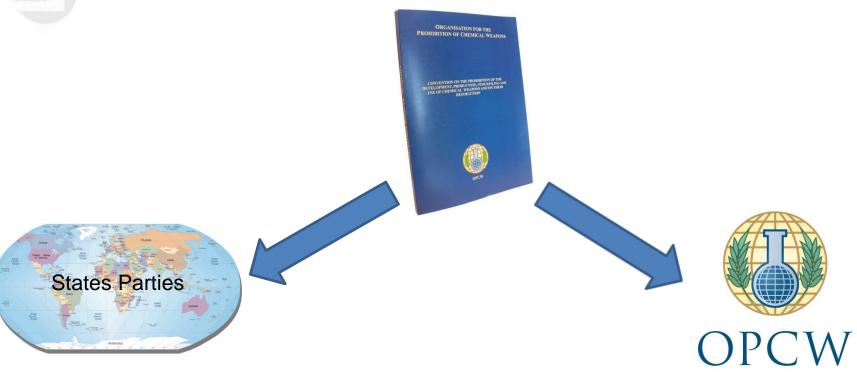
Munitions and devices

Equipment





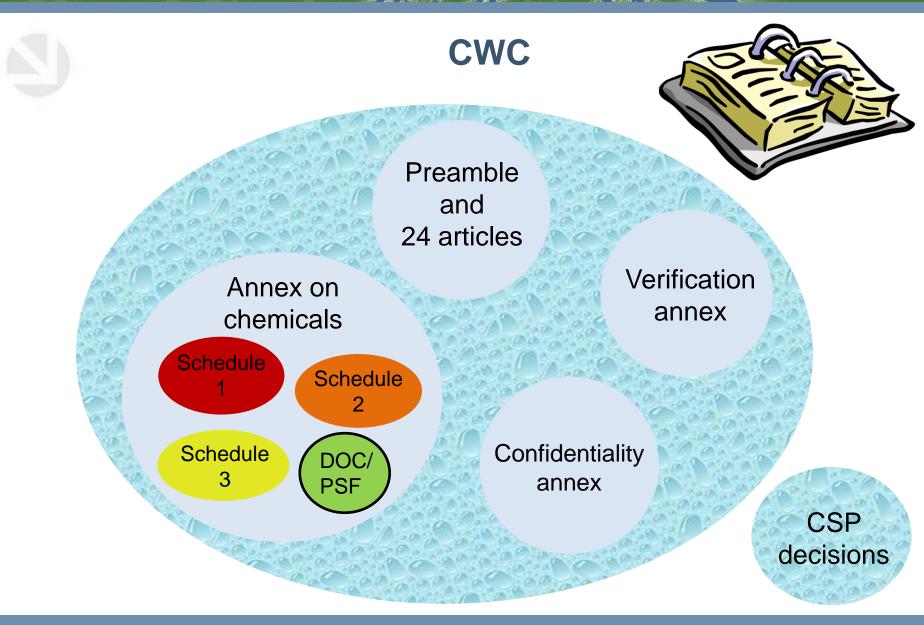




Legislation Declarations to OPCW Data collection + Evaluation National inspections



Evaluation of SPs' declarations Inspections





Schedule	Type of chemical	Industrial use
1A	Very toxic with history of use as CW	None/Insignificant
1B	Key precursors	None/Insignificant
2A, 2A*	Toxic chemicals	Minor application, mostly captive production
2B	CW precursors	Significant industrial use
3A	Very toxic with history of use as CW	Very large commercial quantities
3B	Industrial chemicals, possible dual use	Very large commercial quantities

Dual use

One example:

Hydroden cyanide (Schedule 3A chemical)

Commercial application Nylon stockings

Securities TWO PAIR

CW Tabun (S1A)



National level

- Legislation implementation of the CWC
 - Act no. 19/1997 Coll. and Decree no. 208/2008 Coll.
- National Authority focal point
 - Ministry of Industry and Trade (1996 2000)
 - State Office for Nuclear Safety (since 2000)
- Data collection declarations
 - Past and anticipated activities (depends on type of chemical)
 - Lower declaration thresholds then required by CWC
- Evaluation and declaration to OPCW
 - EDNA
 - SIX for transmission



National Inspections

Procedure stated in act no. 250/2012 Coll.

Why?

- To verify data from declarations
- To clarify all ambiguities
- To know actual situation at the plant site
- To stay in contact with responsible people at the plant site
- To prepare company for OPCW inspection







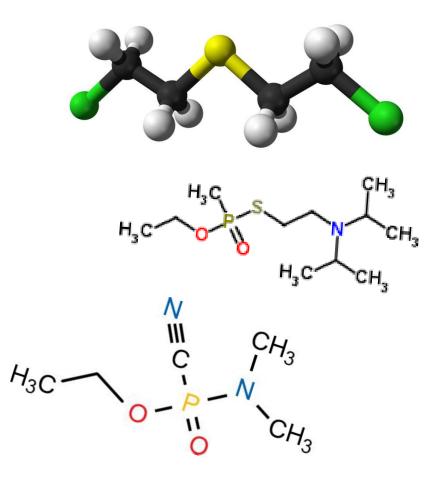
Schedule 1 chemicals

Why do they need them?

- Standards for detection
- Equipment testing
- R & D for protective purposes

Which sites?

- Military research institutions
- Fire and rescue service labs
- Academy od Sciences



Schedule 2 a 3 chemicals

All activities above the national declaration threshold are declarable and inspectable

- Production only S3: fosgene, hydrogen cyanide, cyanogen chloride
- Export/Import Trading companies most traded scheduled chemical is TEA
- Processing S2: Flame retardants in textile industry S3: Cosmetics, pharmaceutics, additives for concrete, plasticizers for rubber, pH modification
- Consumption S3: production of DOC

DOC/PSF

Examples of declarable and inspectable activities :

- Processing of crude oil (MTBE)
- Production of organic cyanides,
- Processing of coal tar and crude benzole
- Production of monomers
- Production of formaldehyde and other precursors for resins,
- FAME production
- Production od soap by saponification
- Production of sulfonated derivatives of carboxylic acids and their salts

OPCW level

- Tools for identification of chemicals and declarations
 - Handbook on chemicals and databases
 - Declarations handbook
 - EDNA software for declarations
 - SIX secure transmission
- Evaluation
 - Consistency and correctness
 - Reconciliation letter
 - Transfer disrepancy letter



OPCW level

- Selection of sites for inspection
 - S1: risk to object and purpose of the CWC, characteristics of facility and type of activities, facility agreement previous findings, time from last inspection
 - S2: chemicals, characteristics of facility and type of activities
 - S3: algorithm based on declared data, geographical distribution + random selection
 - OCPF: algorithm based on declared data and geographical distribution





OPCW inspections

- Initial / routine
- Sampling and analysis
- Non-routine:

- Challenge inspection (Article IX, VA part \overline{X})
- Investigation of alleged use of CW (Article IX and X, VA part XI)
- Fact finding mission
- Technical assistance visit upon SP request
- Rapid Response and Assistance Mission











Notification sent to SP

OPCW routine inspections



Arrange what is necessary



Point of entry procedure



Transport to plant site



OPCW routine inspections



Pre inspection briefing





Records review







Report signed #210811538

Departure



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