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STUDY GUIDE

Organisation for the Prohibition of Chemical Weapons

Strengthening International Cooperation to Prevent the Re-Emergence of Chemical Weapons and Secure Stockpiles



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Conference on the Establishment of a Middle East Zone Free of Nuclear Weapons and Other Weapons of Mass Destruction

Fifth session New York 18-22 November 2024

> Convention on the Prohibition of the Development, Production, Stockpiling and Use of Chemical Weapons and on Their Destruction, and the Organisation for the Prohibition of Chemical Weapons

Background document prepared by the Organisation for the Prohibition of Chemical Weapons

I. Introduction

1. On 22 December 2018, the General Assembly adopted decision 73-546 on convening a conference on the establishment of a Middle East zone free of nuclear weapons and other weapons of mass destruction, in which it entrusted to the Secretary-General the convening, no later than 2019, of a conference on that topic. It also requested the Secretary-General coverence amust sensions of the Conference, Following this mandate, the Secretary-General convened the first session in November 2019, with subsecuent annual secsions held in 2020, 2021, 2022 and 2021.

2. In a correspondence dated 2 August 2024, the Permanent Mission of Mauritania to the United Nations, as the President-designate of the fifth session of the Conference, united the Organization for the Problishion of Chemical Weapons (OPCVV) to prepare a background document for the consideration of the Conference at its fifth session. The necessit document is hereby submitted following that trenues:

II. The Convention

3. The Convention on the Prohibition of the Development, Production, Suckpiling and Use of Chemical Weapons and on Their Entervation is an international terry whose main object and purpose is to exclude completely the possibility of the use of section of the control of the co



Interesting Facts

The Chemical Weapons Convention has 193 State Parties. One State (Israel) has signed but not ratified the Convention, while further three (Democratic People's Republic of Korea, Egypt, and South Sudan) have neither signed nor ratified thus preventing complete universalisation of the CWC.



Definition

Under the CWC chemical weapons are defined in three parts. It includes toxic chemicals and their precursors, except when used for purposes permitted by the Convention - in quantities consistent with such a purpose; any munitions or devices any equipment specifically designed for use "directly in connection" with the employment of the munitions and devices identified as chemical weapons. Any chemical intended for chemical weapons purposes. regardless of whether it is specifically listed in the Convention or its Annexes (including the three schedules of chemicals), is considered a chemical weapon. A full legal definition is provided in Article II of the Chemical Weapons Convention.



Did You Know That

As of 31st August 2025, the world's declared chemical weapons stockpile totalled 72,304 metric tonnes.





consumption of toxic chemicals for purposes not prohibited under the Convention. The Convention contains provisions for international cooperation to support the peaceful and authorized uses of chemistry, as well as for assistance and protection against the use or threat of use of such weapons. The Convention entered into force

Definition

Toxic Chemical means any chemical which through its chemical action on life processes can cause death, regardless of their origin or of their method of production, and regardless of whether they are

Definition

It means Industrial, agricultural, research, medical, purposes, namely those purposes directly related to protection against toxic chemicals and to protection against chemical weapons: Military purposes not dependent on the use of the taxic properties of chemicals as a method of warfare; and Law

Interesting Facts

chemical activities for purposes not prohibited under this convention - including promotion of free trade in chemicals for production, processing and use for purposes not prohibited under this Convention as outlined in Article II; and the open exchange of the peaceful applications of chemistry. The OPCW with funding to work for fixed periods at research institutions in industrialised countries and the States whose economies are developing or in transition to take part in a project that enhances their knowledge of the Chemical Weapons Convention and to support the implementation of the Convention's requirements for peaceful, legal and secure uses of

Interesting Facts

Article X of the Chemical Weapons Convention provides for assistance and protection against chemical weapons. For the purposes of the Article, "Assistance" means the coordination and delivery to



consumption of cover chemicals for surposes not probabiled under the Convention Control of the Convention Contains provisions for international cooperation to support the peaceful and authorized uses of chemistry; as well as for assistance and protein gainst the use or threat of use of such weapons. The Convention entered into force

- 4. The Convention catabilities a global problithino on chemical weapons through the verified elimination of all declared chemical weapons stockpiles and production facilities. All States parties to the Convention must never develop, produce, coquire, stockpile or use chemical weapons from the product of the product of the production of the productin
- The global elimination of chemical weapons rests on two conditions: acceptance of the Convention by all States and compliance of all States parties with their obligations.

III. Work of the Organisation for the Prohibition of Chemical Weapon

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IV. Verification regime

- A. Overview of the verification regime
 - The contribution of management by a constant of the contribution o
 - The Annex on Chemicals to the Convention contains the three schedules
 - (a) Schedule I
 - Toxic chemicals with little or no peaceful purpose;
 - Developed or used primarily as a chemical weapon:

4 Something to Think About

How can OPCW work together with State parties in ensuring that the general prohibition of chemical weapons under CWC Article I is upheld, while also promoting and facilitating peaceful exchange of knowledge and trade of chemicals to strengthen the economical and technological development of States under CWC Article XI?

4 Interesting Facts

The OPCW confirmed that the last chemical weapon stockpile was destroyed on 7 July 2023 at the Blue Grass Chemical Agent-Destruction Pilot Plant in Kentucky. The weapon was an MS5 rocket filled with approximately 4.5 kg of sarin nerve agent.

Something to Think About

How do disagreements over compliance, enforcement, and the attribution of chemical weapons use (i.e., scientifically linking a chemical weapon to its source) reflect broader conflicts between major powers? How have these frictions affected membership in the Executive Council, undermined the authority of the OPCW and eroded midilsteralism?

consumption of mace chemicals for surposes not prohibited under the Convention. The Convention contains provisions for international cooperation to support the peaceful and authorized uses of chemistry, as well as for assistance and protectic against the use or threat of use of such weapons. The Convention entered into for

4. The Convention establishes a global

period: Initiation of all &clared chemical wayons shortyfied and productin Lealities. All States parties to the Convention must never develop, produce, acquire stockpile or use chemical wayons, or transfer them to other parties. They must destroy any chemical wayons that they own or possess or that they shadoned on the territory of another State parry. Furthermore, they must destroy or convert facilities that they own or possess that were reloved in the production of chemical wayons.

The global elimination of chemical weapons rests on two conditions: acceptance of the Convention by all States and compliance of all States parties with their obligations.

111. Work of the Organisation for the Prohibition of Chemical Weapo

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IV. Verification regim

L. Overview of the verification regime

Verification is the process by which OrCV courses that States parties not in complinate with that adaptions according to the following procedures: assessing detectations made by fitting pointing on a regular basis; conducting regular sections, important of detected military or indomation sits and/or fooliests to verify the and investigating the alleged use of chemical worpone. As part of the verification and investigating the alleged use of chemical worpone. As part of the verification properties, OrCV has candibled a service of designated between fine for the adaptive of the control of the designation of the control of the designation of the control of the

The Annex on Chemicals to the Convention contains the three schedules of chemicals, based on the following criteria:

(a) Schedule I

Developed or used primarily as a chemical weapon

5 Interesting Facts

The CMC established the Organization for the Problibition of Chemical Weapons (OPCW), which includes the Executive Council and the Conference, to oversee and verify and the Conference, to overse and verify mechanisms are the ways the OPCW helps countries follow the Chemical Weapons Convention: A range of measures, including impections under Article M. vere as fact-finding tools to determine potential non-compliance before the Article M. and Compliance Defore the Article M. and Compliance

Article IX provides the framework for initiating a clarification request. The situation in Syria, for example, led to a clarification request when the OPCW Secretariat identified significant gaps and omissions in Syria's declared chemical weapons program. Article IX details how a State Party can formally raise a concern about another's noncompliance how the Executive Council forwards the request, and the steps to be taken if the clarification is deemed inadequate. It also covers the right of a State Party to request a challenge inspection which is a surprise inspection of any facility in a Member State, requested by another state, to investigate suspicions of non-compliance with

While Article N is meant to clarify ambiguous visuations, Article XII is the ultimate enforcement mechanism for non-compliance, and the complete of the comple

 Recommending collective measures, like diplomatic or economic sanctions for violations that cause "serious damage" to the Convention.
 Restricting or suspending a State Party's

rights and privileges under the Convention, such as voting rights, if noncompliance is not corrected.

 Referring non-compliance issues of "particular gravity," to the United Nations General Assembly and Security Council. consumption of oxic chemicals for purposes not prohibited under the Convention. The Convention contains provisions for international cooperation to support the peaceful and authorized uses of chemistry, as well as for assistance and protection

1. The Convention establishes a global problems on cleaning tweening through the product facilities, and States parties to the Convention must never develop, produce, angular stackpiles or an echnical weapons, or transfer them to other parties. They medically only cleaning the convention of the produce of the convention must never develop, produce, angular description of the continuation of the convention of the convent

The global elimination of chemical weapons rests on two conditions: acceptance of the Convention by all States and compliance of all States parties with their obligations.

III. Work of the Organisation for the Prohibition of Chemical Weapons

6. OPCW is an independent international organization catabilistic in 1997 upon the early time force of the Convention. Under the tensor of the Convention. OPCW understate [2004] activate that include inspecting and verifying the destruction of existing the indicated conventions. OPCW understate the case of the convention of the con

IV. Verification regime

A. Overview of the verification regime

7. The Convention is underpined by a contract of contract the contract of the

The Annex on Chemicals to the Convention contains the three schedule

ia) Sobadula

Toxic chemicals with little or no peaceful purpose;

6 Interesting Facts

The OPCW is an autonomous organization with independent leadership, legal personality, and separate budget. It also has a working relationship with the United Nations pursuant to a relationship with the United Nations pursuant to a relationship agreement under Article VIII paragraph 34 (a) of the CWC - which was concluded in 2000 and entered into Croce in 2001 - that makes it a related organization of

The Relationship Agreement was approved by the OPCW Conference of the States Parties in decision C, UDECS dated 17 May 2001 and by the United Nations General Assembly in resolution ARES/SS/283 dated 24 September 2001.

6 Did You Know That

In 2024, the budget for OPCW was 489,490,221.
Member States contribute a percentage of the OPCW
budget through an annual assissed contribution
based on its Gross National Income (GNU), Additional
voluntary contributions may be made by Member
tates and others to various OPCW Trust Funds for
condificacients.

spacific projects. The OPCW's Director-General prepares the budget proposal after considering Secretariat and Budget Steering Committee input, then submits it to the Executive Council, which then reviews and transmits it to the Conference of the States Parties for approval. The Conference of the States Parties in Page 101.

7 Something to Think About

Are current verification mechanisms robust enough to detect covert chemical weapons activities in States

7 Did You Know That

When construct Classes Particul Joined the CVC. See produced Phenology and Acad Ord Type Gradual Conputational Phenology and Acad Ord Type Gradual Control Co

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consumption of oxic chemicals for purposes not prohibited under the Convention. The Convention contains provisions for international ecoperation to support the peaceful and authorized uses of chemistry, as well as for assistance and protection against the use or threat of use of such weapons; The Convention entered into force

- The Convention establishes a glishal publishins on closured swapes through the prefrict attenuits or Full Section themsel swapes switchful and production licelistic. All States parties to the Convention must never develop, produce, aquities accipite on sea chemical weapons, or transfer them to stoke parties. They must accipit to the chemical venopous, or transfer them to stoke parties. They must scribe yellow the product of the production of accipitation of territory of another State party. Furthermore, they must destroy or convert facilities that they own or possess that were involved in the production of chemical wapons.
- The global elimination of chemical weapons rests on two conditions, acceptance of the Convention by all States and compliance of all States parties with their obligations.

III. Work of the Organisation for the Prohibition of Chemical Weapons

6. OFCW is an interference of the convention of the convention

IV. Verification regime

- A. Overview of the verification regime
 - The Convention is underpinned by a robust and comprehensive verification regin Verification is the process by which OPCW ensures that States parties are

inspections of declared militury or industrial sites and/or facilities to verify the accuracy of submitted declarations, conducting challenge inspections upon request; and investigating the alleged use of chemical weapons. As part of the verification regime, OPCW has established a given of the property of the control of

- The Annex on Chemicals to the Convention contains the three schedule of the minds based on the following oritories.
 - (a) Schedule I
 - Toxic chemicals with little or no peaceful purpose;

7 Did You Know That

As of 31st August 2025, there are 29 disciplanted labs for environmental samples in 24 State parties, and 19 for biomedical 24 State parties, and 19 for biomedical environmental sample an OPCW designated lab would authenticate is a soil sample collected from a site where chemical tweapons were altegody used. The soil would be warfare agent, An example of a biomedical sample might involve a blood sample from the victim of a new agent poisoring. The lab would analyze the sample for specific more approached to the contract of the contract

7 Interesting Facts

A laboratory must participate in proficiency testing at least once per calendar year unless additional guidelines under C-20/DEC.4 are applicable. A rating of three "As", or two "As" and one "B", on the three most recent consecutive tests of a laboratory shall be regarded as constituting a successful performance. If a designated lab performs unsuccessfully, it may be temporarily suspended, but retain designated status, or it may have its designated status withdrawn. according to the guidelines in EC-80/DEC.3 when this happens, the lab will no longer be selected by the Director General to receive and analyse authentic samples from the OPCW. However, it may perform other tasks, as set out in C-I/DEC.67

consumption of loxic chemicals for purposes not prohibited under the Convention. The Convention contains provisions for international cooperation to support the peaceful and authorized uses of chemistry, as well as for assistance and protection against the use or threat of use of such weapons. The Convention entered into force

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- The global climination of chemical weapons rests on two conditions: acceptance of the Convention by all States and compliance of all States parties with their obligations.

III. Work of the Organisation for the Prohibition of Chemical Weapon:

6. OFCW is an approximate the second control of the control of

IV. Verification regim

- A. Overview of the verification regime
 - The Convention is undergrowed by an extending the process by which COVE sources that States posters are to compliance with their difference accordance according to the difference posterior accordance according to the difference posterior accordance accordance according to the convention of the difference accordance ac
 - The Annex on Chemicals to the Convention contains the three schedules of chemicals, based on the following criteria:
 - (a) Schedule 1:
 - Toxic chemicals with little or no peaceful purpose;
- (ii) Developed or used primarily as a chemical weapon;

8 Interesting Facts

The Annes on Chemicals is divided into two parts - Part A contrain State of the Chemicals in the schools of the Chemicals in the schools of the Chemical State of the Chemical S

3 Definition

"Three schedules of chemicals" refers to the three lists of chemicals regulated by the Chemical Weapons Convention to prevent the development, production, and use of chemical weapons. The schedules are based on the risk a chemical poses to being weaponized. Schedule 1 chemicals pose the highest risk, followed by Schedule 2, and then Schedule 3. These chemicals are controlled through varying levels of verification and reporting requirements for Member States, Schedule 3 chemicals include what are called "dual-use chemicals" that have legitimate peaceful uses but that may also be used in illegal production of chemical weapons. Phosphorus trichloride is an as well as the nerve agent VX.

- (b) Schedule 2: Chemicals that can be used for chemical weapons production,
- (i) but have
- certain legitimate uses:
- (ii) Not produced in large commercial quantities:
- Not produced in large commercial quar
 Schedule 3:
 - Chemicals that can be used for chemical weapons production, but have significant legitimate uses;
 - ii) Produced in large commercial quantities.

There are comprehensive guidelines that provide a process for inclusion of new generations of

B. Chemical weapons demilitarization

- Central to the implementation of the Convention is the verified destruction of declared chemical weapons stockpiles, including the destruction or conversion of chemical weapons production facilities.
- 10. The Convention contains regulations for the destruction of chemical weapons, including an obligation not to harm people or the environment. Accordingly, possessor States parties are required to use safe methods and technologies for destroying chemical weapons. OPCW continuously monitors and verifies the destruction of such weapons.
- 11. As at the end of August 2024, 100 per cent, or 72,304 tons, of chemical weapons declared by States parties had been destroyed, On 7 July 2023, OPCW confirmed that the United States of America, the last declared possessor State party, had completed the destruction of 100 per cent of its chemical weapon stockpiles. 1
- 12. Since the earny into force of the Convention, 97 chemical weapons production facilities have been declared by 14 States parties, as at the end of 2021, all declared chemical weapons production facilities had been destroyed or converted to use for praceful purposes. Of those, 74 bids not entertying by 15 states parties and 25 that parties and 25 that been converted to use for praceful purposes by 5 States parties and 25 that parties and 25 that parties and 25 the product former chemical weapons are considered to the converted on the conve
- States parties must also declare and undertake to destroy old and abandoned chemical weapons. OPCW monitors such destruction activities.
- 14. As at the end of August 2024, OPCW had conducted 3,490 chemical weapons inspections since the entry into force of the Convention.

C. Industry verification

15. The basis for the OPCW industry verification regime is established in article VI of the Convention. States parties are obliged to identify and declare specific activities

States parties must declare all chemical weapons stockpiles, which are broken down into three categories for the purpose of destruction. They are: category 1, chemical weapons on the basis on schedule 1 chemicals and their parts and components; category 1, chemical weapons on the basis of all other chemicals and their parts and components; and category 3, unfilled munitions and

10 Interesting Facts

State parties should have declared national safety and emissions regulations, as part of the aubmitted general plans for destruction, which implementation of fix obligation to safeguard the neighbouring populace, the imperience of the neighbouring the neighb

10 Interesting Facts

A State party can select and implement the appropriate destruction technologies for its chemical weapons. These technologies have been divided into two main groups - high temperature destruction technologies fike temperature destruction technologies like temperature destruction technologies like temperature destruction technologies like temperature destruction with the associated off-gas treatment system; and low-temperature ones like neutralisation and hydrolysis, followed by secondary treatments of the generated by-products, prior to final disposal in accordance munitions and other devices can simply be cut appart.

Something to Think About

What are the risks of a country rebuilding its chemical weapons supply after it has been destroyed? What should be OPCW's role in monitoring post-demilitarization environments to prevent this from happening?

How can the OPCW ensure that declared stockpiles have been fully eliminated and not simply relocated, concealed or repurposed?

12 Something to Think About

Are current timelines and verification benchmarks for demilitarisation still feasible and realistic, especially in conflict or postconflict zones?

13. States parties must also declare and undertake to destroy old and abandoned chemical weapons! OPCW monitors such destruction activities.

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1 States parties must declare all chemical weapons stockpiles, which are broken down into three chemical weapons.



Part IV (B) of the Verification Annex provides the specific definitions and procedures related to · Old chemical weapons fall into two categories: those produced before 1925, and

those produced between 1925 and 1946 "that Abandoned chemical weapons, on the other hand, are chemical weapons abandoned by a State after 1 January 1925 on the territory of another State without that country's consent...

Did You Know That

As of 31st August 2024, 11 inspectable facilitiesisites of old chemical weapons soread across 9 states have been subject to 181 inspections: similarly 173 inspections have been conducted in 13 inspectable facilities/sites of abandoned chemical weapons spread across 2

Did You Know That

old chemical munitions in their nets. The discovery of these munitions is often accidental, and the responsibility for their disposal falls on the nations

Did You Know That

Article III. Article IV. and Part IV (B) of the Verification Annex of the Chemical Weapons Convention (CWC) define the obligations of States Parties regarding the declaration and destruction of buried chemical weapons, which are categorized as "old chemical weapons" or "abandoned chemical weapons".

Under Article III. States Parties are required to declare any chemical weapons they possess. including "old and/or abandoned chemical weapons". In addition, a country that abandoned chemical weapons on the territory of another State Party is also required to provide all available Article IV of the CWC addresses the destruction of

chemical weapons and contains a key provision for buried weapons. The requirements to destroy these old weapons do not apply if they were buried before January 1, 1977and they remain buried. However, if a country decides to recover these materials, they then become subject to the CWC's destruction requirements. While the CWC seeks to eliminate all chemical weapons, it distinguishes between active stockoiles and historic, buried caches, and provides specific rules and optional exemptions

- and facilities in which scheduled chemicals are involved to ensure that they are used exclusively for purposes not prohibited under the Convention.
- 16. States parties are prohibited from trading schedule 1 and schedule 2 chemicals with countries that are not party to the Convention. Monitoring the international trade and transfer of all scheduled chemicals declared by States parties is an essential part of the
- Other chemical production facilities, which are facilities that may be capable of manufacturing chemical weapons-related materials, are also subject to verification under article VI.

efforts of OPCW to prevent the re-emergence of chemical weapons.

18. As at the end of August 2024, the Technical Secretariat had conducted 4,693 industry inspections in more than 80 States parties since the entry into force of the Convention.

D. Challenge inspections

- 19. As a means to resolve a serious concern about compliance, any State party can call for a short-notice inspection in any other State party. The challenge inspection can be conducted without the right of refusal, unless a three-quarters majority of the OPCW Executive Council decides against the request.
- 20. While no State party has yet requested a challenge inspection, OPCW carries

E. Investigations of alleged use of chemical weapor

The continue of the continue o

V Role of the Convention in regional neace and require

4 Universality

- As at the end of August 2024, there were four States not party to the Convention: one
 was a signatory (Israel), and three were non-signatories (Democratic People's Republic
 of Korea. Evort and South Sudan).
- 23. Universality underpins the full and global implementation of the Convention. Only through universal adherence can there be an assurance that all countries are legally bound to unbold the mobilitions on chemical seasons.
 - 4. OPCW therefore places a high priority on achieving the universality of the Convention. As such, OPCW maintains contact with representatives of States not pury to the Convention in order to create awareness and sustain a positive dialogue on the importance of joining the Convention.

16 Interesting Facts

Schadule 1 and Schadule 2 chemicals may only be transferred between State parties to the Convention. Schadule 3 chemicals may only be traded with non-State parties if the recipient provides an end-use certificate and pledges not to transfer them onward. All international transfer must, nonetheless, be declared to the OPCW Technical Secretarist.

17 Definition

Other Chemical Production Facilities (OCPF) are chemical industrial units under the Chemical Wappons Convention (CWO) that produce uncheduled organic chemicals—either Discrete uncheduled organic chemicals—either Discrete chemicals—either Discrete chemicals—either Discrete chemicals—either Discrete chemicals—either Discrete chemicals—either Chem

Unscheduled Discrete Organic Chemicals (UDDCs) includes dual-use organic chemicals that are not specifically listed on any of the three schedules. Facilities must declare these chemicals if more than 200 metric tens are produced per year. There is a lower 30 metric ten threshold for UDDCs containing phosphorus, suffuy, or fluorine (PSE).

19 Interesting Facts

An innovative feature under Article IX of the Convention, challenge inspections allow OPKW inspection to what any site, at any time, and with inspection to what any site, at any time, and with possible chemical waspons activity, inspections can take place at both declared and undeclared can take place at both declared and undeclared control of the control of the control of the these inspections are set out in Part X of the these inspections are set out in Part X of the ventraction Annea. Before acking for a challenge ventraction Annea Before acking for a challenge control of the control of the properties of the control of the properties of the control of properties.

Although this system has existed since the Convention entered into force, no State Party has ever requested a challenge inspection.

- 20. While no State party has yet requested a challenge inspection, OPCW carries out challenge inspection exercises for training and preparedness purposes.

E. Investigations of alleged use of chemical weapons

21 The use of chemical weapons constitutes a grave breach of the Convention and of international law. Accordingly, the Convention contains provisions that allow OPCW to conduct investigations of alleged use of chemical weapons. In a scenario involving the alleged use of chemical weapons by a State not party to the Convention or in a territory controlled by such a State, an investigation can be requested through the Secretary-General's Mechanism for Investigation of Alleged Use of Chemical and Biological Weapons, established through General Assembly resolution 42/37 C. In such a case, OPCW can put its resources at the disposal of the Secretary-General.

V. Role of the Convention in regional peace and security

A. Universality

4/10

- 22 As at the end of August 2024, there were four States not party to the Convention: one was a signatory (Israel), and three were non-signatories (Democratic People's Republic of Korea, Egypt and South Sudan).
- 23. Universality underpins the full and global implementation of the Convention. Only through universal adherence can there be an assurance that all countries are legally bound to unhold the prohibitions on chemical weapons
- 24 OPCW therefore places a high priority on achieving the universality of the Convention. As such, OPCW maintains contact with representatives of States not party to the Convention in order to create awareness and sustain a positive dialogue on the importance of joining the Convention.

21 Interesting Facts

Part XI of the Verification Annex contains investigations. This Part establishes an urgent, event-driven procedure for investigating claims of chemical weapons use. An investigation under Part XI is initiated by a formal request from a State Party alleging the use of chemical weapons on its own territory which would give rise to a rapid deployment of OPCW inspectors Routine verification inspections that focus on specific, declared facilities would be covered by Parts



Definition

The UN Secretary-General's Mechanism (UNSGM) was formally established by the UN General Assembly in 1987, one decade before the establishment of the OPCW, though its in the early 1980s when it engaged in ad-hoc investigations into allegations of chemical and toxin weapon use in Southeast Asia and Afghanistan and investigations conducted in response to Iran's requests to confirm Irag's repeated use of chemical weapons. These robust and established international the UNSGM. Although now a permanent body, it does not have a full-time staff, its own budget, or dedicated investigative teams. Any UN Member State can request the Secretary-General to initiate an investigation into the possible use of chemical weapons The Secretary-General has the authority to send a fact-finding mission to the location of the alleged incident. Mission teams are assembled from the UNSGM roster, which is maintained by the UN Office for Disarmament Affairs (UNODA). The roster consists of experts, consultants, and analytical laboratories nominated by Member States. The UNSGM is used for chemical weapons allegations in states that are not party to the Chemical Weapons Convention. It is also the only international tool for investigating allegations involving biological weapons. When an investigation is conducted under



Did You Know That

98% of the global population live under the

B. Countering chemical terrorism

- 25. The contribution of OPCW to global anti-terrorism efforts is endurined in several articles of the Convention. It is also based on the decision adopted by the OPCW Executive Council at its treaty-seventh session on the OPCW contribution to global anti-terrorism efforts, namely, that the fall and effective implementation of all provisions of the Convention is in itself a contribution to global anti-terrorism efforts (decision EC-XXVIIDEC 5 of December 2001) parts 1.
- 26. In its decision on addressing the threat posed by the use of chemical weapons by non-State actions (EC&MOEE) of 13 (toches 2017), the Council anderscored that the development, production, acquisition, possession, stockpilling, retention, transfer and use of chemical weapons by non-State actions posed fandamental thera's to the object and propose of the Courvention and to the achievement of a world free of chemical weapons, and that any actor who encaused in or attendated to creame in such activities, mark betted accountable.
- 27. In working to counter the threat of chemical terrorism, the Technical Secretariat seeks to support its member States in realizing the full and effective implementation of the Convention while also ensuring that it coordinates its efforts, both in prevention and response, with other relevant stakeholders in the international system.
- 28. As part of its commitment to international coordination, OPCW is a singularity to the bayedness of the Victoria Materia Responsable Cross seado (OCW) as also a Vice-Chair, buyedness of the Victoria Materia Materia Coordination (OCW) and the Vice-Chair Office for Disamannent Affairs, of a Compact working group on energing threats and critical infrastructure protection, which is chaired by the International Criminal Police Organization (NTEEPOCL). Under this framework, in 2023 OPCW completed the implementation of a popicle entitled "Enmaning effective inter-geory, interoper-shilty and implementation of a popicle entitled "Enmaning effective inter-geory, interoper-shilty and magnetization (NTEEPOCL).
- 29. Recognizing that the Convention and Security Contact resolution 1340 (2004) are assumed to the Contact of the Contact o

C. Regional capacity-building and assistance and protection

30. Under the Convention, the Technical Secretarist provides technical assistance through a wide range of capacity-building programmes which facilitate the development of mational implementing legislation; enhance the capacity of States parties to use chemistry for peaceful purposes and assist States parties in preparing for and responding to threats involving toxic chemicals.

26 Interesting Facts

Article VII, paragraph 1(a) requires each State Parly to "adopt the necessary measures to control to the control to the control to this includes enacting penal legistation to prohibit included and corporations from engaging in any prohibited actively, such as developing, producing, for using charges, brought to justice, Article VII, paragraph 2 requires states to "cooperate with other States Parties and affords the appropiate form of legal

Two concrete examples of the use of Article WI include the landmark U.S. Supreme Court case include the landmark U.S. Supreme Court case of the court of the land of the land

28 Definition

It is a coordination framework to strengthen a common UN action approach to support memberstates, at their request, in the balanced implementation of the United Nations Global Counter-terrorism Strategy, and other relevant UN resolutions and mandates.

29 Interesting Facts

In 2017, the OPCW and the World Customs Organization (WCO) signed a Memorandum of Understanding that further enhances cooperation between the two organizations to tighten national and international controls on the trade

Did You Know That

Eveny States Party is required under Article VII of the Chemical Weapons Convention to adopt the the chemical weapons Convention to adopt the "necessary measures" to legally implement the provisions of the Convention at national level, and such measures must be duly informed to OFCW. States are also required to have specific OFCW. States are also required to have specific certain prohibited conduct, and to designate or establish a National Authority to serve as national

other State parties.

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31. The Technical Secretariat provides tailored assistance and capacity-building support to aid. States parties in the development and adoption of national legislation to falfill their obligations under the Convention. Several States parties from the Middle East region have participated in the OPCW internalip programme for legal drafters and national authority representatives with the aim of producing draft hills that cover the limital measures.

required by the Convention. The Technical Secretariat has also organized automat legal workshops in response to requests for assistance from large (2018) and the Systim Arab Republic (2019). Furthermore, the Technical Secretaria has organized general courses on the Convention statested by 23 representatives from the Middle East since 2017/2 courses on declaration and imspection obligations attended by 22 representatives from the Middle Eastern States pattern sources are considered to the Convention of the Conve

- 22 The Convention commits OFCW to promoting the peaceful was of clamitary for the purposes of economics and technological development. The OFCW programmes an activities are focused on integrated demical imanagement, the enhancement of analytical stills to analytic Convention-related andistinction and the promotion and exchange or addition to analytic Convention-related andistinction and the promotion and exchange or the convention of the
 - The Texturest Securities also assists States parties in equity-building to prepare for each required to the ore of femalest superage. Conjects building activities intentional and regional continues, specialized training in subjects and a sampling and only in contrast of training, specialized training in subjects with a sampling and only in compared to the contrast of the conference o
 - 8.1. The increasingly demanding executivy environment, including the growing three of the new of chemical responsibly to make street, but satisfacted the importance of programmes in the zero of annistrance and protection, as well as the interest of States parties in such programmes. Accordingly, like a parties a production of the programmes appoint exhausted we expose and the Convention entering the extra concerns ordering, fully program is a bould four animal experts just regard as the convention entering the experts of the expert of the

From 2012-2018, 45 coentricle have taken part in this convenite large interdope, with all participants ourseast large interdope, and all participants successfully producing comprehensive drafts of these, four States Particle subsequently emacted legislation of States Particle subsequently emacted legislation is a technical output of the program, the path from a technical output of the program, the path from and complete in many countries and often requires nan december in many countries and often requires can be offered drown by political manuscering and complete in much specification, multi-step process that can be showed down by political manuscering and



These are the minimum set of legislative measures deemed necessary for a non-possessor CWC State Party. These may include legal and administrative measures that require submission of annual doclarations, and establish a domestic legal framework and National Authority to monitor implementation.

31 Did You Know That

"Initial measures" are a minimum set of measures that countries must enact to fulfill their obligations under the Chemical Weapons Convention (CWC). This is especially critical for State Parties that do not possess chemical weapons and have no chemical production facilities that need to be declared. The key components of "initial measures"

- legislation include:

 Establishing clear, domestic legal definitions of terms used in the CWC, as specified in Article II
- of the Convention.

 Designating or establishing a national authority to serve as the main point of contact for the OPCW and oversee national implementation.

 Creating rules and regulations to monitor, verify, and restrict chemicals that could be used.
- to produce chemical weapons and reporting on the transfer (import and export) of these scheduled chemicals.

 Prohibiting activities such as developing.
- producing, or stockpiling chemical weapons that are forbidden under the CWC.

 Specifying penalties for violations of the national law, which are meant to deterindividuals and entities from ensaging in

As at 31 December 2024, of the 193 States Parties to the Convention, 166 had reported the adoption of national implementing legislation, of which 126 had legislation covering all the initial measures. A total of 36 States Parties had reported legislation covering some of the initial measures. The remaining 29 States Parties had yet to report on the adoption of implementing legislation.

Bahrain (1), Iran (Islamic Republic of) (1), Iraq (3), Jordan (4), Oman (2), Qutar (3), Saudi Arabia (1), Syrian Arab Republic (1), Türkiye (6) and United Arab Emirates (1).
Iran (Islamic Republic of) (9), Iraq (2), Qutar (4), Saudi Arabia (2), Saute of Palestine (3) and

¹ Did You Know That



31. The Technical Secretariat provides tailored assistance and capacity-building support to aid States parties in the development and adoption of national legislation to fulfil their obligations under the Convention. Several States parties from the Middle East region have

centatives with the aim of producing draft bills that cover the

workshops in repone requests for sinched from the reponent for many continued from the QUIDN and the Syrian Annual Societies Republic (2019) as on page 120 per procession attended to the Convention attended to

- 32. The Convention commits OPCW to promoting the peaceful uses of clemistry for the purposes of coronnect and technological development. The OPCW programmes and activities are focused on integrated chemical management, the enhancement of analytical skills to analytic Convention-related solutaness and the promotion and exchange of knowledge in the field of chemistry. Since 2017, now than 300 purpospans from the cooperation that peaceful and antibrited uses of chemistry.
- 33. The Technical Secretariat also assists States parties in exposity-building to repear for and respond to the use of demicial sequence, four-given/building activities include international and regional training: specialized training in subjects such as sampling and analysis, althorismy skills, infection and pre-building traininest and hospital preparations; and applications to repeat the propagation of t
- 3.4 The increasingly demanding security environment, including the growing threat of the use of chemical sweepons by no-solate actors, has undefined the importance of programmes in the area of assistance and protection, as well as the interest of States parties in such programmes. Accordingly, Name parties are posting the development of the control of the properties of the control of the co

Chemical Warfare agents are extremely toxic synthetic chemicals used to cause intentional death or harm to plants, animals or humans through their toxic properties. These agents may be widely dispersed in liquid, aerosol or solid form, or as agents absorbed to particles to become powder, and thereby may easily afflict others than the intended target. Thousands of toxic substances are known, but only some of them are known as Chemical Warfare agents based on their characteristics. viz., high toxicity, imperceptibility to senses and rapidity of action after dissemination and persistency, and are listed as Scheduled Chemicals in the Chemical Weapons Convention.

33 Interesting Facts

Classified according to their physiological effects, agents effective against humans include nerve agents, blistering agents (vesicants), blood agents, choking agents and toxins.

24-1591-

³³ Definition

² Bahrain (1), Iran (Islamic Republic of) (1), Iraq (3), Jordan (4), Oman (2), Qatar (3), Saudi Arabin (1), Svrina Arab Republic (1), Türkive (6) and United Arab Emirates (1).

³ Iran (Islamic Republic of) (9), Iraq (2), Qatar (4), Saudi Arabia (2), State of Palestine (3) and Türkiye (2).
⁴ Lebaron (2004), Islamic Republic of Iran (2015), Syrian Arab Republic (2015) and Yemen (2013).



:apacity-building. The Centre was funded entirely through voluntary contributions from member States, the European Union and other donors.

D. Regional activities Syrian Arab Republic

Destruction of chemical weapons

36.00 14 September 2013, the Systian Arab Republic became a State party to the Convention The Joint Missions for the Organization of the Prohibition of Chemical Weepons and the United Nations for the Elimination of the Chemical Weepons Programme of the Systian Chemical Weepons programme. More than 1,300 tons of decired chemical sequency programme. More than 1,300 tons of decired chemical sequency of the Systian Arab Chemical Weepons programme. More than 1,300 tons of decired chemical of the Chemical Secretary by the Systan Arab Republic was verified by the Technical Secretaria of 6 January 2014.

Declaration Assessment Team

- 37. In April 2014, the Director General of OPCW established the Declaration Assessment Team with the mandate to verify that the declaration submitted by the Syrian Arab Republic can be considered accurate and complete, as required by the Convention and OPCW Executive Council decision EC-A3-3DEC1.
- 38. Since April 2014, the Declaration Assessment Team has been engaged in consultations with Syrian authorities. To date, 27 rounds of consultations have been conducted, including technical meetings; interviews with persons involved in the chemical weapons programme; visits to chemical weapons-redated sites involving the collection and analysis of samples; and the receids: review. evaluation and analysis of documents and information.
- 39. In addition to the rounds of consultations, the Technical Secretariat deployed a reduced team from the Declaration Assessment Team to the Syrian Analt Republic twice in 2023, due to, inter alia, the country's refusal to grant entry visus to all members of the Declaration Assessment Team until October 2023. These deployments were to conduct limited in-country activities, which did not include technical consultations between the Declaration Assessment Team and the Syrian National Authority.
- 40. As a result of the work of the Declaration Assessment Team, the Syrian Arab Republic has bealmined 30 amondments to in initial declaration, declarating additional previously assistant of 30 amondments to the contract of the contract of the contract of the contract of the country's failure to sufficiently explain the presence of anticlented beautists of 25 outstanding issues. The last two contracting vapation the present of anticlented beautists warfare agents or their indication in the samples collected by the Team in Speciment 2000 production of demands weepons extend team of the production of the contraction weepons extend team of the production of the contraction weepons extend team of the production of the contracting descent or characteristic production of contracting the production of the contracting team of the production of the contracting team of the production o
- 41. The Technical Secretariat will continue to engage with the Syrian National Authority regarding the 19 outstanding issues as well as regarding other declaration requirements arising from the recent decisions of the OPCW policylmaking organs, as part of the process of verifying the fulfillment by the Syrian Arab Republic of its



- declaration obligations under the Convention, relevant decisions of the OPCW policymaking organs, and Security Council resolutions. Fact-finding mission
- 42. In response to persistent allegations of chemical weapons use in the Syrian Arab Republic, the OPCW fact-finding mission in the Syrian Arab Republic was set up in April 2014 to establish facts surrounding allegations of the use of toxic chemicals for hostile purposes in that country.
- 43. Under in agreed turns of reference between the Technical Secretarist and the Spites Anh Perpulsit, the fact-finding mission has conducted visits to site of alleged victims, first etchnical weapons, where possible, and has interviewed witnesses, alleged victims, first responders and treating physicians. The mission has also examined relevant decoments and reports, including medical and hospital records, and obtained copies of such mission has also examined relevant decoments and reports, including medical and hospital records, and obtained copies of such mission has also executed to the control of the control of the control of the control of the control industry and the control of the control of
- 44. During the reporting period, the Teclarical Securetaria issued two notes related to the activities of the fixed-finding mission on three allegations, namely, in Al-Yamusch, and in Al-Rulls, former on November 2017. For the three ellegations, the grant and in Al-Rulls, former on November 2017. For the three ellegations, the grant in the Al-Rulls former on November 2017. For the three ellegations, the grant in Al-Rulls, former on November 2017, for the three ellegations of mission obtained and analysed as a whole, in accordance with the mission's mander to again the Al-Rulls of the alleged use of these chemicals as a wegon in the Systian Al-Rulls (and the Al-Rulls of the A
- 45. Since its creation, the fact-finding mission has been deployed on 68 missionst and has issued 22 reports covering 76 allegations. Through its reports, the fact-finding mission has identified a total of 20 incidents involving the likely or confirmed use of chemical weapons: 14 of chlorine, 3 of sulfur mustard and 3 of sarin. Organisation for the Problibition of Chemical Weapons-United Nations Joint Investigative Mechanism
- 46. Following the findings of the fact-finding mission that chlorine had been used as veapon in the Syrian Anh Repolshic, in March 2015 the Security Council adopted resistants 220° (2015), in which it condensed any use of any tasis chemical is a Council adopted resistant and the condense of the Council adopted resistant and the Council adopted and the Council
- 47. The smaltest of the Joint Investigative Mechanism was to identify the propertures involved in the use of cleanicals is swoppens in the Syrian Arth Republic in those instances in which the first-finding mission had determined that an incident in that country involved or fittley involved the use of deminical as wagon. During in predict of activity, the Mechanism presented seven reports to the Security Council antibuding responsibility to the Syrian Arth Republic in from antidents (Ruba Suphim and A publ) 2017, Quantum and Summi on 16 March 2015 and Thimness on 21 April 2014) and to 2016 and Marca or 21 April 2018 (as perfectly a 21 April 2018).

¹ The total number of deployments when also including coordination visits, expert consultations, etc., added up to 119 as at the end of Aurust 2024.



Investigation and Identification Team

- 48. The Conference of the States Parties to the Convention, at its fourth special session, in June 2018, adopted a decision on addressing the threat from chemical weapons sue. As part of the decision, the Conference decided that the Technical Secretariat should part in June arrangements to identify the perpetrators of the use of chemical weapons in the Syrian Arab Republic (decision CS-S-4DEC) at 072 June 2018, para. 10).
- 49. To carry out the mandate, OPCW created the Investigation and Identification Team, which became fully operational in July 2019. The Team is charged with identifying and reporting on all information that is potentially relevant to the origin of chemical weapons in those instances in which the fact-finding mission determines or has determined that use or likely use occurred and cases for which the Joint Investigation Weeknahim has not issued a report.
- 50. The Investigation and Mentification Fear has issued four reports on its investigations on five separate incidents. The first report focuses on three incidents in Linneaula, Syrina Arab Regulskie, on 24.2 and 40 March 2017 once 5 746/17 200, depted 3 April 2003 More documented and the second of the seco
- 51. The second report of the Investigation and Identification Team sets out the findings of the investigations conducted on the incident in Saraqib, Syrian Arab Republic, on 4 February 2018 (note S1943-2021, dated 12 April 2021), and coelcabord that there were reasonable grounds to believe that the Syrian Arab Air Force, under the control of the Tiger Forces, hit eastern Saraqib by drooting at least one choicine-filled cylinder.
- 52. The third report of the Investigation and Identification Team focused on an incident in Domma, Syrian Arm Republis, on 7 April 2018 (note \$2125-2023, dated \$2 3 aniany 2023). It concluded that there were reasonable grounds to believe that at least one helicoper of the Syrian Arm Air Force, operating under the control of the Tiger Force, thooped two cholorine filled cylinders that hit a residential area in Domma, killing 43 named individuals and affecting foocess more.
- 33. The fourth report of the Investigation and Identification Team sets out the findings of the investigation set claim to the includent in Marea, Syrina AraB Republic, on I September 2013 (note SZ255/2024, dand 22 February 2024), It concluded that there were reasonable grounds to believe that, on I September 2015, during sustained attacks aimed at capturing the town of Marea, units of the Islamie State in Iraq and the Levant deployed sulfur mustard, using one or more artillery quans.

Libya

- 54. Upon joining the Convention in 2004, Libya declared category 1, category 2 and category 3 chemical weapons, Under OPCW refification, the country completed the destruction of its category 1 and category 3 chemicals in May 2014 and May 2013, respectively.
 55. Upon joining the Convention. Libva also declared three chemical weapons production
- facilities. One of them has been certified by the Technical Secretariat as destroyed in March 2005, and two of them have been certified as converted for purposes not prohibited under the Convention and remain subject to verification.
- 56. In July 2016, the Government of National Accord of Libya asked for support and assistance in transporting and destroying outside Libyan territory the final remnants of its category 2 themical weapons. Assistance was provided to Libya



pursuant to a decision of the OPCW Executive Council (EC-M-52/DEC:1 of 20 July 2016) and Security Council resolution 2298 (2016). On 23 November 2017, OPCW verified the complete destruction of the remnants of the category 2 chemical weapons at a certified waste treatment facility in Germany.

- The clean-up operations at a former chemical weapons storage site in Libya, conducted with the assistance of OPCW, were completed in March 2020.
- 58. Upon joining the Convention in 2009, Iraq declared five former chemical weapons production facilities, four of which have been certified as destroyed. One facility was converted for purposes not prohibited under the Convention and remains subject to verification.

Chemical weapons storage facility encapsulation

- 59. The Technical Secretariat provided assistance to the Government of Iraq in the destruction of chemical weapons remnants in two bunkers, using concrete encapsulation. OPCW verified that both bunkers had been completely encapsulated as at 14 December 2017.
- 60. In addition to the assistance described above, the Technical Secretariat, in cooperation with five States parties, provided training to site workers in responding to medical emergencies and in handling, sampling and transporting contaminated material.

Technical assistance visits

61. The Technical Secretarist has provided assistance to the Government of Iraq interaponae to allegations of the use of chemical weapons in after courty. In September 2015, Iraq informed OPCW of the use of chemical weapons in its territory. Since then, OPCW has concluded there technical sestance visits: a 105, 2016 and 2017. OPCW concluded that suffir mutuated had been used as a chemical weapon, and reports on the contract of the contract