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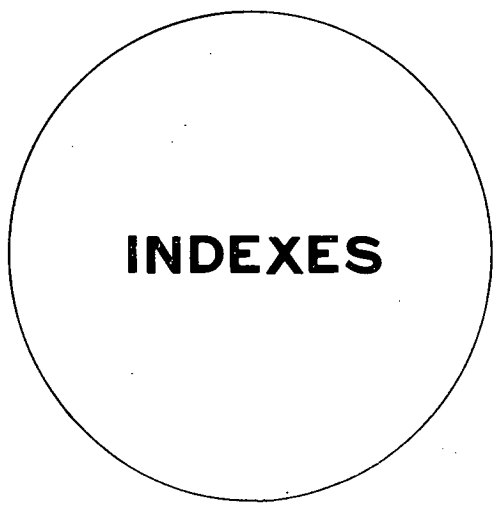
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**CONFERENCE OF THE EIGHTEEN-NATION
COMMITTEE ON DISARMAMENT**

CONFERENCE OF THE COMMITTEE ON DISARMAMENT

COMMITTEE ON DISARMAMENT

**CHEMICAL WEAPONS — WORKING PAPERS
1969-1982 SESSIONS**



COMPILED BY:

**ARMS CONTROL AND DISARMAMENT DIVISION OF
THE DEPARTMENT OF EXTERNAL AFFAIRS**

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Chemical Weapons Working Papers
Submitted to ENDC/CCD/CD 1969-1982

Between 1969 and 1982, approximately 175 working papers on various aspects of the Chemical Weapons Convention issue have been submitted to the Committee on Disarmament and its predecessors. These working papers have been reproduced in a three-volume series for use by the Department of External Affairs in Ottawa, Canada and made available to the Ad Hoc Chemical Weapons Working Group in Geneva during its 1983 session to facilitate its work.

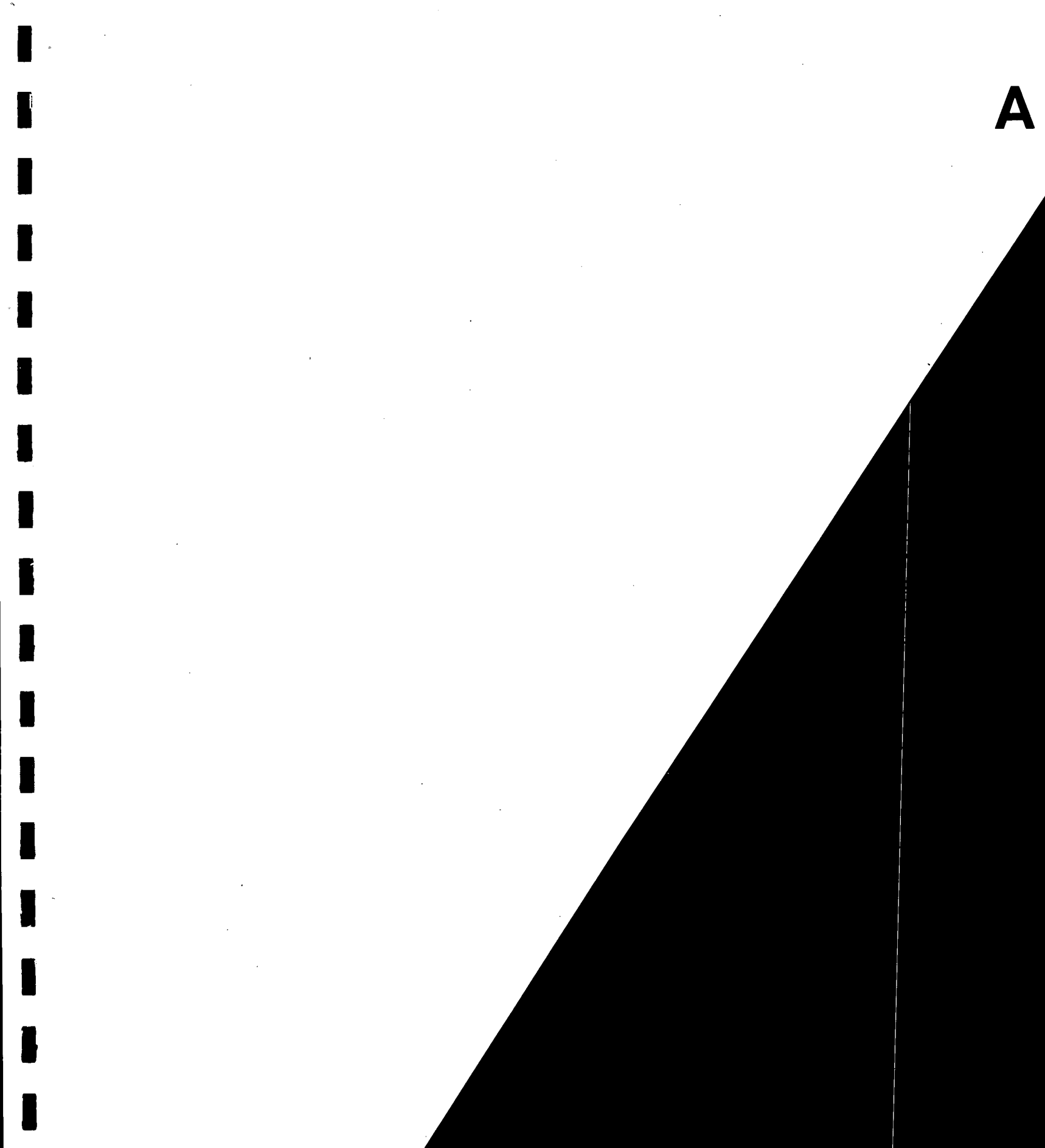
This booklet has been developed as a result and provides three different indexes which may provide easy reference. The first index (Tab A) has been developed on a functional basis by grouping working papers under main headings. Though most working papers are mentioned only once, many cover a variety of elements. There is therefore a requirement to further refine the functional approach.

The second index (Tab B) lists the working papers chronologically and can therefore be used with the compendiums of working papers (volumes 1 and 2 and the volume containing the 1982 working papers). The third index (Tab C) provides a listing of working papers by nation and through the serial numbers provided can be correlated with the chronological listings.

These indexes and the compendiums they accompany have been developed to facilitate the research programme in Ottawa and are provided to the CD for use by individual members as they may see fit.

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A



Chemical Weapons Working Papers
Submitted to ENDC/CCD/CD 1969-1982

Functional Index

1. Chemical Weapons Convention

(a) Draft Convention

- (i) CCD/361 (Socialist Group) 28.3.72
- (ii) CCD/420 (Japan) 30.4.74
- (iii) CCD/512 (United Kingdom) 6.8.76

(b) Comments on Convention

- (i) CCD/285 (Socialist Group) 14.4.70
- (ii) CCD/413 (Japan) 21.8.73
- (iii) CCD/427 (Sweden) 2.7.74
- (iv) CCD/452 (Japan) 8.4.75
- (v) CCD/461 (Sweden) 29.7.75
- (vi) CCD/483 (Japan) 8.4.76
- (vii) CD/97 (Sweden) 24. 4.80
- (viii) CD/102 (China) 19.6.80
- (ix) CD/117 (Canada) 10.7.80
- (x) CD/121 (Poland) 17.7.80
- (xi) CD/123 (Mongolia) 21.7.80
- (xii) CD/212 (China) 13.8.81
- (xiii) CD/244 (United Kingdom) 18.2.82
- (xiv) CD/294 (USSR) 21.7.82
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(c) Negotiations

- (i) CD/5 (Italy) 6.2.79
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	(ii)	CCD/383 (Netherlands)	1.8.72
	(iii)	CCD/387 (Canada)	24.8.72
	(iv)	CD/122 (Morocco)	21.7.80
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(vii)	CCD/395	(Sweden)	6.3.73
(viii)	CD/164	(Finland)	19.3.81
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(ii)	CCD/502	(United Kingdom)	2.7.76
(iii)	CCD/533	(Netherlands)	22.4.77
(iv)	CD/271	(USA,UK,Australia)	1.3.82
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 - (vii) CD/299 (Finland) 29.7.82
- (f) Economic Data Monitoring
 - (i) CCD/311 (USA) 25.8.70
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(ii)	CCD/375 (Yugoslavia)	5.7.72
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(v)	CCD/433 (Canada)	16.7.74
(vi)	CCD/458 (FRG)	22.7.75
(vii)	CCD/473 (Canada)	26.8.75
(viii)	CCD/505 (Yugoslavia)	5.7.76
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(ii)	CCD/373 (Italy)	29.6.72
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(v)	CCD/458 (Federal Republic of Germany)	22.7.75
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(ii)	CCD/512 (Czechoslovakia)	8.7.76
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10. Destruction/Dismantling

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(iii)	CCD/434 (Canada)	16.7.74
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(vii)	CD/173 (Canada)	3.4.81
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(ii)	CCD/304 (Italy)	6.8.70
(iii)	CCD/377 (Yugoslavia)	20.7.72
(iv)	CCD/403 (Socialist Group)	28.6.73
(v)	CCD/529 (Japan)	22.3.77
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(ii)	CCD/299 (Czechoslovakia)	6.8.70
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(iv)	CCD/303 (USSR)	6.8.70

(v)	CCD/310 (Non-Aligned Group)	28.8.70
(vi)	CCD/320 (Netherlands)	2.3.71
(vii)	CCD/335 (Italy)	8.7.76
(viii)	CCD/352 (Non-Aligned Group)	28.9.71
(ix)	CCD/400 (Non-Aligned Group)	26.4.73
(x)	CCD/531 (USA)	28.3.77
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15. Special References

(i)	CD/48 (USSR/USA) Joint Paper	7.8.79
(ii)	CD/26 (Secretariat)	1.7.79
(iii)	CD/112 (USSR/US) Joint Paper	7.7.80
(iv)	CD/131 (Secretariat)	4.8.80
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16. Chemical Weapons Use

(i)	CD/132 (Pakistan)	1.9.80
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- 17. Chemical Warfare Capability
 - (i) CD/142 (Sweden) 10.2.81
- 18. Binary Weapons
 - (i) CD/258 (Socialist Group) 9.3.82
 - (ii) CD/266 (Yugoslavia) 24.3.82
- 19. Precursor Concept
 - (i) CD/277 (Sweden) 2.4.82
 - (ii) CD/324 (Sweden) 6.9.82
- 20. Confidence Building Measures
 - (i) CD/279 (Sweden) 14.4.82

B

CHEMICAL WEAPONS WORKING PAPERS
Submitted to ENDC/CCD/CD 1969-82

Chronological Index

<u>Serial</u>	<u>Reference</u>	<u>Country</u>	<u>Description</u>	<u>Date</u>
1	ENDC/254		Letter dated 1 July 1969 from the Secretary-General of the United Nations to the Co-Chairmen of the ENDC transmitting the Report on Chemical and Bacteriological (Biological) Weapons and the Effects of their Possible Use	7.7.69
2	ENDC/256	Poland	Working Paper concerning the Report of the Secretary-General of 1 July 1969 on Chemical and Bacteriological (Biological) Weapons and the Effects of their Possible Use	22.7.69
3	ENDC/265	Argentina Brazil Burma Ethiopia India Mexico Morocco Nigeria Pakistan Sweden UAR Yugoslavia	Working Paper on a proposed declaration by the United Nations General Assembly regarding prohibition of the use of chemical and biological methods of warfare	26.8.69
4 (CA-1)	ENDC/266	Canada	Chemical and Bacteriological (Biological) Warfare: Draft United Nations General Assembly Resolution	26.8.69
5	CCD/283	USA	Working Paper on Chemical Warfare Agents and the Commercial Chemical Industry	16.3.70
6	CCD/285 Corr.1	Hungary Mongolia Poland	Working Paper submitted by the delegations of the Hungarian People's Republic, the Mongolian People's Republic and the Polish People's Republic in connection with the draft Convention on the prohibition of the development, production and stockpiling of chemical and bacteriological (biological) weapons and on the destruction of such weapons.	14.4.70 & 15.4.70

<u>Serial</u>	<u>Reference</u>	<u>Country</u>	<u>Description</u>	<u>Date</u>
7	CCD/286	USA	Working Paper on Toxins	21.4.70
8	CCD/288	Japan	Working Paper on the Question of Verification for Prohibition of Chemical and Biological Weapons	30.4.70
9	CCD/289	Italy	Suggestions regarding the possible convening of a group of experts to study the problem of controls over chemical weapons and the way in which such a group should function	30.6.70
10	CCD/293	USA	Working Paper comparing nerve agent facilities and civilian chemical production facilities	16.7.70
11	CCD/295	Morocco	Working Paper on the prohibition of the development, production and stockpiling of chemical and bacteriological (biological) weapons and on the destruction of such weapons	28.7.70
12	CCD/299	Czechoslovakia	Working Paper on the prohibition of the development, production and stockpiling of chemical and bacteriological (biological) weapons and on the destruction of such weapons	6.8.70
13	CCD/300	Canada	Working Paper on the verification of prohibitions of the development, production and stockpiling and the use of chemical and biological weapons	6.8.70
14	CCD/301	Japan	Working Paper on the question of the prohibition of chemical weapons	6.8.70
15	CCD/302	Yugoslavia	Working Paper on the elements for a system of control of the complete prohibition of chemical and biological weapons	6.8.70
16	CCD/303	USSR	Working Paper on the complete prohibition of chemical and bacteriological weapons	6.8.70

<u>Serial</u>	<u>Reference</u>	<u>Country</u>	<u>Description</u>	<u>Date</u>
17	CCD/304	Italy	Additional Working Paper on the problem of controls over chemical weapons	6.8.70
18	CCD/308	UK	Working Paper on Verification of CW Arms Control Measures	18.8.70
19	CCD/310	Argentina Brazil Burma Ethiopia India Mexico Morocco Nigeria Pakistan Sweden UAR Yugoslavia	Joint Memorandum on the question of Chemical and Bacteriological (Biological) Methods of Warfare	25.8.70
20	CCD/311	USA	Working Paper on economic data monitoring as a means of verifying compliance with a ban on chemical weapons	25.8.70
21	CCD/314	UAR	Working Paper concerning suggestions on measures of verification of a ban on chemical and biological weapons	1.9.70
22	CCD/315	Hungary Mongolia Poland	Working document concerning the introduction of a safeguard clause - CCD/285 - to the draft convention prohibiting the development, production and stockpiling of chemical and bacteriological (biological) weapons and on the destruction of such weapons (Dec. A/7655) made by Mr. J. Winiewicz, Deputy-Minister for Foreign Affairs at the 464th Plenary meeting of the Conference of the Committee on Disarmament	3.9.70
23	CCD/320	Netherlands	Working Paper concerning the prohibition of chemical warfare agents	2.3.71
24	CCD/322	Sweden	Working Paper on a model for comprehensive agreement concerning the Prohibition of Chemical and Biological means	16.3.71

<u>Serial</u>	<u>Reference</u>	<u>Country</u>	<u>Description</u>	<u>Date</u>
25	CCD/324	Sweden	Working Paper on the Destruction of chemical and biological means of warfare	30.3.71
26	CCD/332	USA	Working Paper on CW verification	5.7.71
27	CCD/333	Sweden	Working Paper on aspects of the definition of "toxins"	6.7.71
28	CCD/334	Canada	Working Paper on atmospheric sensing and verification of a ban on development, production and stockpiling of chemical weapons	8.7.71
29	CCD/335	Italy	Working Paper on some problems concerning the prohibition of chemical weapons	8.7.71
30	CCD/343	Japan	Working Paper on a biological approach to the question of verification on the prohibition of chemical weapons - Organophosphorus chemical agents	24.8.71
31	CCD/344	Japan	Working Paper containing remarks of Prof. Shunishi Yamada, the University of Tokyo, concerning the question of verification on the prohibition of chemical weapons, presented at the informal meeting on 7 July 1971	24.8.71
32	CCD/352	Argentina Brazil Burma Egypt Ethiopia India Mexico Morocco Nigeria Pakistan Sweden Yugoslavia	Joint memorandum on the prohibition of the development, production and stockpiling of chemical weapons and on their destruction	28.9.71
33	CCD/360	USA	Work Programme regarding negotiations on prohibition of chemical weapons	20.3.72

<u>Serial</u>	<u>Reference</u>	<u>Country</u>	<u>Description</u>	<u>Date</u>
34	CCD/361	Bulgaria Czechoslovakia Hungary Mongolia Poland Romania USSR	Draft Convention on the prohibition of the development, production and stockpiling of chemical weapons and on their destruction by Bulgaria, the Byelorussian Soviet Socialist Republic, Czechoslovakia, Hungary, Mongolia, Poland, Romania and the Union of Soviet Socialist Republics	28.3.72
35	CCD/365	USA	Working Paper on definitions of controlled substances	26.6.72
36	CCD/366	USA	Working Paper on storage of chemical agents and weapons	20.6.72
37	CCD/367	USA	Working Paper on the destruction of chemical weapons	20.6.72
38	CCD/368	USA	Working Paper: Statistics relating to production and trade of certain chemical substances in the United States	20.6.72
39	CCD/369	USA	Working Paper on United States domestic legislation regarding chemical substances	20.6.72
40	CCD/371	United Kingdom	Working Paper on remote detection of chemical weapon field tests	27.6.72
41	CCD/372	Sweden	Working Paper on two groups of chemical agents of warfare	28.6.72
42	CCD/373	Italy	Working paper on identification and classification of chemical warfare agents and on some aspects of the problem of verification	29.6.72
43	CCD/374	Japan	Working Paper on the question of a criterion to be used to characterize super-toxic chemical agents	5.7.72
44	CCD/375	Yugoslavia	Working Paper on some aspects of the definition, classification and prohibition of chemical agents	5.7.72

<u>Serial</u>	<u>Reference</u>	<u>Country</u>	<u>Description</u>	<u>Date</u>
45	CCD/377	Yugoslavia	Working Paper on the elements of a system for the control of the complete prohibition of chemical weapons	20.7.72
46	CCD/381	Finland	Letter dated 21 July 1972 from the Permanent Representative of Finland to the Special Representative of the Secretary-General to the Conference of the Committee on Disarmament transmitting a working paper by the Government of Finland on definitions of chemical warfare agents and on technical possibilities for verification and control of C-weapons with particular regard to a Finnish project on creation on a national basis of a CW-control capacity for possible future international use	27.7.72
47	CCD/383	Netherlands	Working Paper on the possibility of delimitating nerve gases within the field of organophosphorus compounds	1.8.72
48	CCD/384	Sweden	Working Paper on domestic legislation in Sweden regarding chemical substances	8.8.72
49 (CA-4)	CCD/387	Canada	Working Paper on toxicity of chemical substances, methods of estimation and applications to a chemical control agreement	24.8.72
50	CCD/395	Sweden	Working Paper on the concept of amplified verification in relation to the prohibition of chemical weapons - The principal role of verification in disarmament treaties	6.3.73
51	CCD/400	Argentina Brazil Burma Egypt Ethiopia Mexico Morocco Nigeria Sweden Yugoslavia	Working Paper on the prohibition of the development, production and stockpiling of chemical weapons and on their destruction	26.4.73

<u>Serial</u>	<u>Reference</u>	<u>Country</u>	<u>Description</u>	<u>Date</u>
52	CCD/403	Bulgaria Czechoslovakia Hungary Mongolia Poland Romania USSR	Working Paper on ways of implementing control over compliance with the convention on the prohibition and stockpiling of chemical weapons and on their destruction	28.7.73
53	CCD/410	Netherlands	Working Paper on an international organ for the support of a CW convention and other disarmament agreements	31.7.73
54	CCD/412	Finland	Letter dated 9 August 1973 from the Acting Permanent Representative of the Secretary-General to the Conference of the Committee on Disarmament transmitting a Working Paper by the Government of Finland - On the progress of the Finnish project for the creation of a national basis of a CW control capacity for possible future international use	14.8.73
55	CCD/413	Japan	Working Paper on the main points of an international agreement on the prohibition of the development, production and stockpiling of chemical weapons and their destruction	21.8.73
56 (CA-5)	CCD/414	Canada	The problem of defining chemical substances in a treaty prohibiting the development, production and stockpiling of chemical weapons	21.8.73
57	CCD/420	Japan	Draft Convention of the Prohibition of the Development, Production and Stockpiling of Chemical Weapons and on their Destruction	30.4.74
58	CCD/427	Sweden	Some observations on the Draft Convention on the Prohibition of the Development, Production and Stockpiling of Chemical Weapons and on their Destruction presented by the Delegation of Japan on 30 April 1974 (CCD/420)	2.7.74

<u>Serial</u>	<u>Reference</u>	<u>Country</u>	<u>Description</u>	<u>Date</u>
59	CCD/430	Japan	Working Paper containing views of Japanese experts on the scope of prohibition and on the verification for organo-phosphorus compounds for the informal meetings with participation of experts of the CCD in 1974	12.7.74
60	CCD/432	Finland	Letter dated 12 July 1974 from the Permanent Representative of Finland to the Special Representative of the Secretary-General to the Conference of the Committee on Disarmament transmitting a working paper by the Government of Finland on methodology for chemical analysis and identification of CW agents - Progress of a Finnish research project	16.7.74
61 (CA-6)	CCD/433	Canada	The problem of defining compounds having military significance as irritating and incapacitating agents	16.7.74
62 (CA-7)	CCD/434	Canada	Destruction and disposal of Canadian stocks of World War II mustard agents	16.7.74
63	CCD/435	USA	Working Paper on toxicity of chemical warfare agents	16.7.74
64	CCD/436	USA	Working Paper on chemical agent destruction	16.7.74
65	CCD/437	USA	Working Paper on diversion of commercial chemicals for weapons	16.7.74
66	CCD/452	Japan	Modification of the wording used in a draft convention (CCD/420) on the prohibition of the development, production and stockpiling of chemical weapons and on their destruction	8.4.75

<u>Serial</u>	<u>Reference</u>	<u>Country</u>	<u>Description</u>	<u>Date</u>
67	CCD/453	Finland	Letter dated 2 July from the Permanent Representative of Finland to the Acting Representative of the Secretary-General to the Conference of the Committee on Disarmament transmitting a working paper by the Government of Finland on methodology for chemical analysis and identification of CW agents - progress of a Finnish research project	4.7.75
68	CCD/458	Federal Republic of Germany	Working Paper on the definition and classification of chemical warfare agents	22.7.75
69	CCD/461	Sweden	Working Paper on a model for delimitating chemical warfare agents in an international treaty	29.7.75
70	CCD/466	Japan	Working paper concerning the scope of chemical agents that have justification for peaceful purposes and an example of the national verification system	8.8.75
71 (CA-8)	CCD/473	Canada	Working paper on use of measurements of lethality for definition of agents of chemical warfare	26.8.75
72	CCD/483	Japan	Working Paper on the question of chemical warfare agents to be prohibited by the Convention on the Prohibition of Chemical Weapons	8.4.76
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74	CCD/497	United States	Verification of destruction of declared stocks of chemical warfare agents	29.6.76
75	CCD/498	United States	The use of seals and monitoring devices in CW verification	29.6.76

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77	CCD/501	Finland	Letter dated 1 July 1976 from the Ambassador in charge of Political Affairs at the Permanent Mission of Finland to the Special Representative of the Secretary-General to the Conference of the Committee on Disarmament transmitting a Working Paper by the Government of Finland on Methodology for Chemical Identification of CW Agents and Related Compounds - Progress of a Finnish Research Project	2.7.76
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102	CD/37	Federal Republic of Germany	Working Paper on Some Aspects of International Verification of Non-Production of Chemical Weapons; Experience Gained in the FRG	12.7.79
103	CD/39	Finland	Identification of Potential Organophosphorus Warfare Agents - An Approach for the Standardization of Techniques and Reference Data	16.7.79
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105	CD/44	Poland	Outline of a Convention on the Prohibition of the Development, Production and Stockpiling of Chemical Weapons and on their Destruction	26.7.79

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