## **Technical Secretariat**



S/1408/2016 23 August 2016 ENGLISH only

## NOTE BY THE DIRECTOR-GENERAL

## STATUS OF LABORATORIES DESIGNATED FOR THE ANALYSIS OF AUTHENTIC SAMPLES

- 1. The Conference of the States Parties (hereinafter "the Conference") at its First Session established the conditions under which laboratories may seek designation (C-I/DEC.60, C-I/DEC.61, C-I/DEC.62, and C-I/DEC.65, all dated 22 May 1997), and at its Fifth Session (C-V/6, dated 19 May 2000) mandated the Executive Council (hereinafter "the Council") to take a decision regarding guidelines on the designation of laboratories for the analysis of authentic samples. The Council took this decision at its Twentieth Session (EC-XX/DEC.3, dated 28 June 2000). Additional guidelines on the designation of laboratories for the analysis of authentic samples were adopted by the Conference at its Twentieth Session (C-20/DEC.4, dated 2 December 2015).
- 2. When designating laboratories for the analysis of authentic samples, and in accordance with C-I/DEC.61 and C-I/DEC.65, the Director-General takes the following into account:
  - (a) whether the laboratory has established a quality system in accordance with the standards (ISO/IEC 17025:2005 or equivalent) and has valid accreditation by an internationally recognised accreditation body for the tasks for which it is seeking designation—namely, for the analysis of chemical-warfare agents and related compounds in various types of samples; and
  - (b) whether the laboratory has performed successfully in the proficiency testing programme of the OPCW.
- 3. A laboratory must participate in the proficiency testing programme at least once per calendar year unless the additional guidelines in C-20/DEC.4 are applicable. According to subparagraph 4(d) of the Annex to C-I/DEC.65, 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.
- 4. If a designated laboratory performs unsuccessfully in a proficiency test, it may be temporarily suspended, but retain designated status, or it may have its designated status withdrawn, according to the guidelines in EC-XX/DEC.3. When this happens, the laboratory, also in accordance with EC-XX/DEC.3, 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 (dated 22 May 1997).



5. Following the completion of the Thirty-Ninth Official OPCW Proficiency Test, the Director-General wishes to inform Member States of the current status of the laboratories designated for the analysis of authentic samples. Nineteen laboratories from 15 Member States are designated; three of these are temporarily suspended. The performance ratings of these laboratories are annexed hereto.

## **DESIGNATED LABORATORIES**

1. Defence Laboratory of Analytical Chemistry,       China         2. The Laboratory of Analytical Chemistry,       China         Research Institute of Chemical Defence       China         3. Laboratory of Toxicant Analysis,       China         Institute of Pharmacology and Toxicology, Academy of Military Medical Sciences       France         4. DGA Maîtrise NRBC, Département d'analyses chimiques       France         5. Bundeswehr Research Institute for Protective Technologies and NBC Protection       Germany         6. Vertox Laboratory, Defence Research & Development Establishment       India         7. Defense Chemical Research Laboratory       Iran (Islamic Republic of)         8. TNO Defence, Security and Safety       Netherlands         9. Chemical Analysis Laboratory, CB Department, Agency for Defense Development       Republic of Korea         10. Chemical, Biological and Radiological Defense Research Institute       Republic of Korea         11. Laboratory for the Chemical and Analytical Control of Military Research Centre       Russian Federation         12. Central Chemical Weapons Destruction Analytical Laboratory of the Federal State Unitary Enterprise, "State Scientific Research Institute of Organic Chemistry and Technology"       Russian Federation         13. Verification Laboratory, Defence Medical and Environmental Research Institute, DSO National Laboratories       Spain         14. LAVEMA (Laboratorio de Ve		Laboratory	State Party
Research Institute of Chemical Defence  1. Laboratory of Toxicant Analysis,	1.	Defence Laboratories Department	Belgium
3.       Laboratory of Toxicant Analysis, Institute of Pharmacology and Toxicology, Academy of Military Medical Sciences       China         4.       DGA Maîtrise NRBC, Département d'analyses chimiques       France         5.       Bundeswehr Research Institute for Protective Technologies and NBC Protection       Germany         6.       Vertox Laboratory, Defence Research & Development Establishment       India         7.       Defense Chemical Research Laboratory       Iran (Islamic Republic of)         8.       TNO Defence, Security and Safety       Netherlands         9.       Chemical Analysis Laboratory, CB Department, Agency for Defense Development       Republic of Korea         10.       Chemical, Biological and Radiological Defense Research Institute       Republic of Korea         11.       Laboratory for the Chemical and Analytical Control of Military Research Centre       Research Institute of Central Chemical Weapons Destruction Analytical Laboratory of the Federal State Unitary Enterprise, "State Scientific Research Institute of Organic Chemistry and Technology"       Russian Federation         13.       Verification Laboratory, Defence Medical and Environmental Research Institute, DSO National Laboratories       Singapore         14.       LAVEMA (Laboratorio de Verificación de Armas Químicas), INTA Campus La Marañosa       Spain         15.       FOI, CBRN Defence and Security, Swedish Defence Research Agency       Sweden         16. <td>2.</td> <td>The Laboratory of Analytical Chemistry,</td> <td>China</td>	2.	The Laboratory of Analytical Chemistry,	China
Institute of Pharmacology and Toxicology, Academy of Military Medical Sciences  4. DGA Maîtrise NRBC, Département d'analyses chimiques  5. Bundeswehr Research Institute for Protective Technologies and NBC Protection  6. Vertox Laboratory, Defence Research & Development Establishment  7. Defense Chemical Research Laboratory  8. TNO Defence, Security and Safety  9. Chemical Analysis Laboratory, CB Department, Agency for Defense Development  10. Chemical, Biological and Radiological Defense Research Institute 11. Laboratory for the Chemical and Analytical Control of Military Research Centre  12. Central Chemical Weapons Destruction Analytical Laboratory of the Federal State Unitary Enterprise, "State Scientific Research Institute of Organic Chemistry and Technology"  13. Verification Laboratory, Defence Medical and Environmental Research Institute, DSO National Laboratories  14. LAVEMA (Laboratorio de Verificación de Armas Químicas), INTA Campus La Marañosa  15. FOI, CBRN Defence and Security, Swedish Defence Research Agency  16. Spiez Laboratory, Swiss NBC Defence Establishment  17. Defence Science and Technology Laboratory, Chemical and Biological Systems, Porton Down  18. Edgewood Chemical Biological Center, Forensic Analytical Center  19. Lawrence Livermore National Laboratory United States of			
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	17.	Davience Divermore Puntonal Daboratory	America

Annex: Performance Ratings of Designated Laboratories in Official Proficiency Tests

Annex
PERFORMANCE RATINGS OF DESIGNATED LABORATORIES IN OFFICIAL PROFICIENCY TESTS

Laboratory	Member State	33rd (2013)	34th (2013)	35th (2014)	36th (2014)	37th (2015)	38th (2015)	39th (2016)
Defence Laboratories Department	Belgium	_	C	_	A	-	A	1
The Laboratory of Analytical Chemistry, Research Institute of Chemical Defence	China	A	-	_	A	_	A	_
Laboratory of Toxicant Analysis, Institute of Pharmacology and Toxicology, Academy of Military Medical Sciences	China	_	A	_	В	-	A	1
DGA Maîtrise NRBC, Département d'analyses chimiques	France	_	A	_	A	_	A	_
Bundeswehr Research Institute for Protective Technologies and NBC protection	Germany	_	В	В	A	A	-	-
Vertox Laboratory, Defence Research & Development Establishment	India	_	A	_	F†¹	A	A	A
Defense Chemical Research Laboratory	Iran (Islamic Republic of)	В	_	A	-	I	В	A
TNO Defence, Security and Safety	Netherlands	_	A	_	A	A	-	1
Chemical Analysis Laboratory, CB Department, Agency for Defense Development	Republic of Korea	_	A	_	A	-	A	_
Chemical, Biological and Radiological Defense Research Institute	Republic of Korea	В	_	В	_	D	В	A
Laboratory for Chemical and Analytical Control, Military Research Centre	Russian Federation	_	В	_	A	_	A	_

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F† denotes a failure due to reporting error (see §8.3 of QDOC/LAB/WI/PT04, Issue 1, Revision 4, dated 8 October 2014).

Laboratory	Member State	33rd (2013)	34th (2013)	35th (2014)	36th (2014)	37th (2015)	38th (2015)	39th (2016)
Central Chemical Weapons Destruction	Russian Federation							
Analytical Laboratory of the Federal State			A	_	A	_	Α	
Unitary Enterprise, "State Scientific Research		_	А		Α	_	А	_
Institute of Organic Chemistry and Technology"								
Verification Laboratory, Defence Medical and	Singapore							
Environmental Research Institute, DSO National		A	_	_	A	_	A	_
Laboratories								
LAVEMA (Laboratorio de Verificación de Armas	Spain		В	С			A	
Químicas), INTA Campus La Marañosa		_	Б	C	_	_	А	A
FOI, CBRN Defence and Security,	Sweden		A		A	В		
Swedish Defence Research Agency		_	А	_	Α	Б	_	_
Spiez Laboratory,	Switzerland	A		A		A		A
Swiss NBC Defence Establishment		Α		Α	_	А	_	А
Defence Science and Technology Laboratory,	United Kingdom of							
Chemical and Biological Systems, Porton Down	Great Britain and	_	A	_	A	_	A	_
	Northern Ireland							
Edgewood Chemical Biological Center, Forensic	United States of	A		A		В		A
Analytical Center	America	Λ	_	Λ	_	Б	_	А
Lawrence Livermore National Laboratory	United States of		A		A		A	
	America		Л	_	Λ	_	Λ	_