

Rolling list of upcoming workshops, training and exercises organized by the PTS

Disclaimer: The information was last updated on 20 February 2018. This list is updated on a regular basis.

For the latest up-to-date information, please consult the web sites for “Calendar of Events” (<http://www.ctbto.org/the-organization/calendar-of-events/>) and “Workshops, Training and Exercises” (<http://www.ctbto.org/the-organization/workshops-training-and-exercises/>)

2018

<i>Dates</i>	<i>Venue</i>	<i>Meeting/Event</i>	<i>Target audience/participants</i>	<i>Background / Objectives</i>	<i>Lead Division(s)</i>
7 – 9 March	VIC, Vienna	Expert Meeting on Visual Observation related OSI Techniques and Initial Overflight	A limited number of external experts with relevant scientific and technical expertise required for the visual observation-related OSI techniques and initial overflight, and PTS staff	<u>Objective:</u> The scope comprises a demonstration of existing hard- and software including field application tools for Visual Observation (VOB) related inspection techniques for OSI, a review of the VOB ConOps and associated documentation, as well as a presentation and discussion of proposed equipment specifications with the objective to recommend validated specifications to WGB for inclusion in the draft OSI Equipment List.	OSI
12 – 23 March	VIC, Vienna	Training Course on NDC Capacity Building: Access and Analysis of Waveform IMS	<ul style="list-style-type: none"> • NDC technical staff / authorized users (preferably Principal User or Regular User); • Experience in waveform data analysis and/or similar experience related to nuclear test ban verification; • Seismologists with an advanced degree who operate or have access to regional and local seismic network data and the means of processing that data to provide accurate phase pick information; • Linux background and some SQL experience are required; • Passing the NDC e-Learning course is a prerequisite. 	<u>Objectives:</u> <ul style="list-style-type: none"> • To understand the roles of National Data Centres in the verification regime; • To build and/or improve the National Data Centre capabilities; • To provide participants with sufficient knowledge for accessing and using IMS data and IDC products and • To provide practical experience in analyzing IMS data. 	IDC
27 March (to be confirmed)	New York, United States of America	CTBT Seminar for New York-based Diplomats	Members of the permanent missions to the United Nations in New York	<u>Objectives:</u> <ul style="list-style-type: none"> • To reach out to non-ratifying States with missions in New York to advance the prospects of their ratification of the CTBT; • To maintain the relevance of the CTBT within the UN Headquarters and the momentum in favour of the Treaty. 	OES

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8 – 15 April	Buenos Aires, Argentina	Regional Introductory Course 23	Up to 50 external participants from the LAC region.	<u>Objectives:</u> <ul style="list-style-type: none"> To increase knowledge and basic awareness of the OSI regime and to identify possible candidates for addition to the roster of surrogate OSI inspectors. 	OSI
10 – 15 April	Buenos Aires, Argentina	Visual Observation and Radionuclide Techniques	16 surrogate inspectors from the third training cycle	<u>Objectives:</u> <ul style="list-style-type: none"> To familiarize trainees with the geologic, anthropogenic and radionuclide observables associated with an underground nuclear explosion. 	OSI
9 – 12 April	Poissy, France	Technical Training for Radionuclide Station Operators with SPALAX Equipment	<p>Station operators from invited countries who are responsible for daily operation and maintenance of SPALAX noble gas monitoring systems at IMS stations</p> <p>Invited States Signatories should nominate participants who are station operators involved in the operation and maintenance of the following stations: CAX16, CAX17, CMX13, DEX33, FRX27, FRX29, FRX30, FRX31, MNX45, PAX50, ARX01 and CNX20</p>	<u>Objective:</u> <ul style="list-style-type: none"> To provide IMS station operators with the required knowledge and technical understanding of SPALAX noble gas monitoring systems in order to perform operations and maintenance tasks. 	IDC
9 – 13 April	Uppsala, Sweden	Technical Training for Radionuclide Station Operators with SAUNA Equipment	<p>Invited States Signatories should nominate participants who are station operators involved in the operation and maintenance of the following stations: AUX04, AUX09, BRX11, GBX66, GBX68, JPX38, MXX44, NOX49, NZX46, SEX63, USX74, USX75, USX77, USX79</p>	<u>Objective:</u> <ul style="list-style-type: none"> To provide IMS station operators with the required knowledge and technical understanding of SAUNA noble gas monitoring systems in order to perform operations and maintenance tasks. 	IDC
9 – 13 April	VIC, Vienna	Technical Training for Station Operators of IMS Infrasound Stations with Guralp and Nanometrics Equipment	<p>Invited States Signatories should nominate participants who are station operators involved in the operation and maintenance of the following IMS infrasound stations: IS04, IS06, IS07, IS09, IS14, IS16, IS19, IS20, IS26, IS27, IS30, IS32, IS41, IS42, IS48, IS51</p>	<u>Objective:</u> <ul style="list-style-type: none"> To provide station operators with operational knowledge, technical understanding and relevant hands-on training on operation, maintenance and troubleshooting of IMS infrasound stations with Guralp and nanometrics equipment. 	IDC

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16 – 20 April	VIC, Vienna	Technical Training for Stations Operators of Seismic Stations and Hydro T-Phase with Nanometrics Equipment	Invited States Signatories should nominate participants who are station operators involved in the operation and maintenance of the following stations: HA06, HA07, HA09, PS04, PS12, PS13, PS17, PS22, PS24, PS26, PS42, AS076, AS101, AS102	<u>Objective:</u> <ul style="list-style-type: none"> To provide station operators with the basic knowledge and technical understanding on the operations, maintenance and management of an IMS station using waveform technology and, more specifically, provide hands-on training on nanometrics equipment. 	IDC
25 – 27 April	VIC, Vienna	Build-up Exercise Task Force	A limited number of external experts who are members of the Build-up Exercise Task Force, and PTS staff	<u>Objective:</u> <ul style="list-style-type: none"> To develop the exercise scenarios for the build-up exercises contained in the OSI Exercise Plan 2016-2020. 	OSI
Between 23 April and 4 May 2018	Geneva, Switzerland	NPT PrepCom Side Event	Participants of the Preparatory Committee for the 2020 Review Conference of the Parties to the Treaty on the Non-Proliferation of Nuclear Weapons (NPT) (23 April – 4 May 2018)	<u>Objectives:</u> <ul style="list-style-type: none"> To strengthen the linkages between NPT and CTBT, further mainstreaming the CTBT into the global nuclear non-proliferation and disarmament agenda and increasing its visibility; To reach out, in a “nuclear” context, to non-ratifying States; To reach out to multiple stakeholders and provide a platform for novel, “out-of-the-box” approaches through the participation of force-multipliers such as members of the CTBTO Youth Group (CYG) and the Group of Eminent Persons (GEM). 	LEGREL
3 – 4 May	VIC, Vienna	Technical Meeting on the IDC Validation and Acceptance Plan	<p>Scientists, engineers and other persons who have technical expertise in one of the four IMS technologies, the functions of the IDC and in performance monitoring and testing</p> <p>The participants are expected to provide their technical input to the IDC Validation and Acceptance Test Plan.</p> <p>States Signatories are expected to nominate experts who will provide substantive inputs to these plans.</p>	<u>Objectives:</u> <ul style="list-style-type: none"> To continue the process of completing the IDC Validation and Acceptance Test Plan, with the particular focus on reviewing the results from the Experiment 2, conducted in September 2017. 	IDC
6 – 10 May	Algiers, Algeria	2018 NDC Workshop	The Workshop is open only to the CTBT States Signatories and is intended for persons involved in NDC related activities	The Workshop is being organized by the PTS in cooperation with the Commissariat à l’Energie Atomique (COMENA) and the Government of the People’s Democratic Republic of Algeria.	IDC

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6 – 10 May	Algiers, Algeria	2018 NDC Workshop (continued)		<p><u>Objectives</u></p> <ul style="list-style-type: none"> To provide a forum for NDC experts to share experience in fulfilling their verification responsibilities; To provide NDC feedback to the PTS on all aspects of the data, products, services and support NDCs in their work; under this objective, special emphasis will be placed on: <ul style="list-style-type: none"> ➤ NDC contribution to Performance Monitoring and Testing; ➤ Discussion on NDC involvement in the IDC Progressive Commissioning Plan, particularly: i) progress of phase 5b; development of IDC validation and acceptance plan; ➤ Discussion of recent and ongoing IDC projects: i) IDC software re-engineering project; ii) status of the extended NDC-in-a-box; iii) transition from GCI II to GCI III. <p>The NDC Preparedness Exercise currently in progress (NPE17) will be a key topic for discussion. The progress results of the NPE 17 will be presented and discussed including analysis of the NPE17 event using IMS data and other data obtained by national means. The scenario of the next NPE will also be drafted at this workshop.</p>	IDC
21 May – 1 June	VIC, Vienna	CTBT Science Diplomacy Symposium	Diplomats, parliamentarians, youth, civil society and media representatives	<p><u>Objectives</u></p> <ul style="list-style-type: none"> To provide training to those in the diplomatic community; To raise public awareness of the Treaty and the science and technology that underpin the verification regime; To encourage cooperative and collaborative research and innovation on nuclear test monitoring science and technology; To stimulate creative thinking about possible political, legal and diplomatic solutions to the challenges facing the Treaty; To utilize force-multipliers, such as parliamentarians, academic networks, GEM, CYG and civil society more broadly. 	LEGREL
30 May – 1 June	VIC, Vienna	Expert Meeting on OSI Resonance Seismometry	A limited number of experts with scientific and technical expertise relating to the resonance seismometry, and PTS staff	<p><u>Objectives:</u></p> <ul style="list-style-type: none"> To review developments undertaken under the auspices of OSI Action Plan project 3.04, and to provide guidance for ongoing numerical modelling and data processing, consider input to drafting of a concept of operations, and review equipment specifications as documented in OSI Workshop-23. 	OSI
19 – 22 June	Austria	Field-test Multispectral Imaging including infrared (MSIR)	A limited number of external experts of multispectral imaging, including infrared, and PTS staff	<p><u>Objective:</u></p> <ul style="list-style-type: none"> To assess the current capability of the OSI MSIR configuration for selected aircraft measured against the desired functionality of the system. 	OSI

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27 – 30 August (to be confirmed)	Astana and Semipalatinsk, Kazakhstan (to be confirmed)	CTBTO Youth Group Conference	CTBTO Youth Group members, civil society, academia	<u>Objectives</u> <ul style="list-style-type: none"> To stimulate cooperative and collaborative creative thinking about possible political, legal and diplomatic solutions to the challenges facing the Treaty; To enable participants to witness first-hand risks posed by nuclear testing by visiting the Semipalatinsk Nuclear Test Site; To reach out to multiple stakeholders and provide a forum for novel, “out-of-the-box” approaches through the participation of force-multipliers such as members of the CYG and GEM. 	LEGREL
10 – 14 September	Austria	Field test geophysical techniques	A limited number of external experts dealing with geophysical techniques necessary for on-site inspections, and PTS staff	[TO BE PROVIDED]	OSI
24 – 27 September	VIC, Vienna	Expert meeting on rapid deployment and field infrastructure	A limited number of external experts dealing with rapid deployment and field infrastructure necessary for on-site inspections, and PTS staff	[TO BE PROVIDED]	OSI
1- 3 October	VIC, Vienna	Table-top exercise on operations support centre/IDC interaction in an OSI	A limited number of external experts with in-depth knowledge of Operations Support Centre/IDC interaction in an OSI	[TO BE PROVIDED]	OSI
7 – 20 October	South Africa	Third training cycle advanced course	OSI surrogate inspectors and PTS instructors.	[TO BE PROVIDED]	OSI
22 – 26 October	South Africa	Third training cycle ground and airborne visual observation techniques	Selected OSI surrogate inspectors and PTS instructors.	[TO BE PROVIDED]	OSI
29 – 31 October	VIC, Vienna	Build-up Exercise Task Force	A limited number of external experts who are members of the Build-up Exercise Task Force, and PTS staff	<u>Objective:</u> <ul style="list-style-type: none"> To further develop the exercise scenarios for the build-up exercises contained in the OSI Exercise Plan 2016-2020. 	OSI
12 – 16 November	National Oceanography Centre, Southampton, United Kingdom	OSI Workshop 24	Diplomats, scientists, international organizations representatives, legal experts and relevant PTS staff.	<u>Back ground and objectives.</u> <ul style="list-style-type: none"> To focus on the scientific and legal issues related to the conduct of an OSI in different climates or geophysical environments; events other than underground nuclear explosions and in areas beyond the jurisdiction or control of any state; and the practical and organizational challenges of mounting an OSI on the high seas. 	OSI

