

CTBTO Activities Conducted in 2012

Event/Activity	Short Description	Date	Venue	Participation
On-Site Inspection (OSI) Operational Support Centre Expert Meeting	OSI Operational Support Centre expert meeting	10 – 12 January	VIC	3 national experts/representatives from other international organizations and 14 CTBTO staff
OSI training course for Build-up Exercise I	OSI Operational Support Centre course for CTBTO staff for Build-up Exercise phase I; 7 day course over 3 months	17 January – 13 April	Equipment Storage Maintenance Facility, Vienna, Austria	5 national experts and 55 CTBTO staff
National Data Centre (NDC) Capacity Building: Access and Analysis of IMS Waveform data and IDC products (LAC countries)	Advanced training; objectives include: Understanding the roles of National Data Centres in the verification regime; Building and/or improving the National Data Centre capabilities.	13 – 24 February	Mexico City, Mexico	27 participants, including technical staff and National Data Centre staff
Expert Group Meeting on Inspection Team Functionality	Continuation of the Functionality Series	19-23 March	Equipment Storage Maintenance Facility, Vienna, Austria	15 national experts and 10 CTBTO staff
Expert meeting on OSI logistics and administration	Development of logistics and administration sub-team concept for Tabletop Exercise	28-30 March	VIC	4 national experts/representatives from other international organizations and 15 CTBTO staff

Build-up Exercise Phase I	Preparation for Integrated Field Exercise – Launch Phase	16-20 April	Equipment Storage Maintenance Facility, Vienna, Austria	7 national experts and 59 CTBTO staff
Congo Information Visit	Representative from the Republic of Congo (which has not yet ratified) was given an overview of the work of the Secretariat and the CTBT verification technologies	23 – 24 April	VIC	1 participant
Expert meeting on Chain of custody	Chain of custody for radionuclide samples procedure development	2 – 4 May	VIC	1 national expert and 5 CTBTO staff
Training Course on NDC Capacity Building: Access and Analysis of IMS Waveform Data and IDC Products, and Improvement in Regional Seismic Travel Times (RSTT) through Ground Truth Events	Advanced training; Objectives include: Understanding the roles of National Data Centres in the verification regime; Building and/or improving the National Data Centre capabilities; Explaining the project for developing RSTT models; and Identifying regional data sources necessary to develop the models	7 – 22 May	Vienna, Austria	25 participants, including technical staff and National Data Centre staff
Health and Safety course (2 nd Training Cycle)	Part of 2 nd Training Cycle	14 – 18 May pending confirmation of AU mil base	Austrian military base near Kornueburg (NBC Defense School)	70 national experts and 17 CTBTO staff
Technical Training Programme for Infrasound Station Operators	Introductory training to provide station operators with the basic knowledge and technical understanding of the operations, maintenance and management of	14 – 18 May	Vienna, Austria	6 station operators

with MARTEC Equipment and Standard Station Interface	an International Monitoring System Station using infrasound monitoring technology and to provide hands-on training			
Multispectral and infrared imaging (MSIR) 2 nd Field test	Test of MSIR equipment in sedimentary setting	21 – 25 May	Hungarian Military base E of Budapest	6 national experts and four CTBTO staff
Technical Training Programme for Radionuclide Station Operators with SAUNA Equipment – BASIC	Introductory training	21 – 25 May	Sweden	3 station operators
3 rd Expert Advisory Meeting for Integrated Field Exercise 2014 preparation	Expert Advisory Mechanism	11 June	VIC	11 national experts and 10 CTBTO staff
Engaging the Experts, Training the Trainers: A Seminar on CTBT Education in the 21st Century	Outreach with university professors on incorporating CTBT and related topics in their classes	11 – 12 June	VIC	37 academics from 13 countries 8 representatives from International Organizations
Expert Group Meeting on Communications	Expert meeting to evaluate equipment improvements	29 May - 1 June 2012	Austrian Military Training Area in the Seetaler Alpen, Austria	13 national experts and 6 CTBTO staff
Tabletop Exercise for log and admin sub-team (2 nd)	Tabletop Exercise for logistics and administration sub-team	18 – 22 June	Equipment Storage Maintenance Facility, Vienna, Austria	14 national experts and 24 staff

Training Cycle)				
Training for Radionuclide Station Managers with Stations Operating under Post Certification Activity Contracts	Introductory training	18 – 21 June	Austria	11 station operators
EU-Sponsored Technical Training Programme for Auxiliary Seismic Station Operators with Nanometrics Digitizer and/or Standard Station Interface	Introductory training	25 – 29 June	Austria	16 station operators
Multilateral Verification, Collective Security: Contribution of the CTBT	Education course focusing on policy and legal aspects of the Treaty and basics of its verification regime and outreach to member-states	16-20 July	VIC	478 participants from 95 countries 349 followed the course online, while 129 a Tabletop Exercise in person
Chinese High-Level Information Visit	Four participants from China conducted an information visit to the Secretariat and were given an overview of the work of the Secretariat and the CTBT verification technologies	17 July	VIC	4 participants
Preparatory training	Training for selected nominees that carried out key functions in	First part of September Build-	Equipment Storage Maintenance Facility,	59 national experts and 29 CTBTO staff

for build-up exercise Phase II/IV including CTBTO core team leadership	exercise phases II/IV	up exercise phase II/IV	Vienna, Austria	
Operations and Maintenance Training for Station Operators of ENVIROCONSULT	Introductory training	30 – 31 August	Austria	2 station operators
Build-up Exercise Phase II/IV	Preparation for Integrated Field Exercise	8 – 14 September	Equipment Storage Maintenance Facility, Vienna, Austria, and the Austrian Armed Forces Military Training Ground in Bruckneudorf, Austria	41 national experts and 63 CTBTO staff participated. Eleven observers from 9 Permanent Missions together with 15 United Nations Disarmament Fellows took part in the visit.
Technical Training Programme for Station Operators with GURALP Equipment and Standard Station Interface	Introductory training to provide Station Operators with the basic knowledge and technical understanding of the Operations, Maintenance and Management of an International Monitoring System Station using Waveform technology and to provide hands-on training.	10 – 14 September	Vienna, Austria	12 station operators
UN Disarmament Fellows Seminar	Outreach and education course for the participants of the UN Fellowship Programme on Disarmament	10 – 14 September	VIC	25 diplomats from 25 different countries participated
National Seminar – Belarus	Introductory workshop	12 – 13 September	Belarus	28 participants, including technical staff and National Data Centre staff

Field test of the On-Site Inspection gamma survey equipment (backpacks)	Field test of the multipurpose radionuclide backpacks for gamma survey as part of the equipment development	17 – 20 September	Belarus	5 national experts and 3 CTBTO staff
Familiarization with Geoprobe augering tool	Familiarization with the ageing tool for radionuclide/ noble gas sampling	17 – 20 September	Equipment Storage Maintenance Facility, Vienna, Austria	1 national expert and 3 CTBTO staff
Technical Training Programme for Station Operators of Manual Radionuclide Stations	Introductory training to provide Station Operators with the basic knowledge and technical understanding of the Operations, Maintenance and Management of a manual radionuclide station and to provide hands-on training for operational and maintenance procedures.	17 – 21 September	Seibersdorf and Vienna, Austria; 21 September at CTBTO Headquarters	5 station operators
National Data Centre (NDC) Capacity Building: NDC Analyst Training Course (Sept-Oct)	Intermediate training to strengthen capacity of the States Signatories' participation in CTBT verification regime and to enhance their use of data and products of the Provisional Technical Secretariat for civil and scientific applications.	17 September – 12 October	Vienna, Austria	5 participants, including technical staff and National Data Centre staff
2012 National Data Centre (NDC) Evaluation Workshop in Asunción, Paraguay	A forum for NDC experts to share experience in fulfilling the verification responsibilities and to provide feedback to the Provisional Technical Secretariat on all aspects of the NDCs in their work.	1 – 5 October	Asunción, Paraguay	65 participants representing 31 States Signatories, National Data Centre staff, and CTBTO staff
2 nd Expert Group	Continuation of development of	3 – 5 October	VIC	8 national experts and 5 CTBTO staff

Meeting on Multi Spectral Imaging (MSIR)	MSIR Techniques			
Expert Group Meeting on Geographic Information System	Expert meeting to evaluate the improvements to the Information Technology equipment	8 – 12 October	Equipment Storage Maintenance Facility, Vienna, Austria	16 national experts and representatives from other international organizations, and 6 CTBTO staff
Infrasound Technology Workshop 2012	Advanced workshop to present and discuss recent advancements in infrasound research and operational capabilities of global and regional networks.	8 – 12 October	Yuseong-gu, Dajeon, Republic of Korea	81 participants, including technical staff and others
Technical Training Programme for Radionuclide Station Operators with Radionuclide Aerosol Sampler/Analyzer Systems	Introductory training to provide hands-on training and practical lessons to Station Operators on the operation, maintenance and repair of the RASA systems.	8 – 12 October	Fairfax, Virginia, United States of America	5 station operators
Technical Training Programme for Station Operators from Incorporated Research Institutions for Seismology (IRIS) Auxiliary Seismic	Introductory training to provide Station Operators with the basic knowledge and technical understanding of the Operations, Maintenance and Management of an International Monitoring System Station using Waveform technology and to provide hands-on training.	15 – 19 October	Austria	11 station operators

Station				
Technical Training Programme for Radionuclide Station Operators with ORTEC Equipment	Introductory training to provide hands-on training and practical lessons to Station Operators on the operation, maintenance and repair of the ORTEC gamma detector system manufactured by AMETEK.	15 – 19 October	Oak Ridge, United States of America	5 station operators
Technical Training Programme for Radionuclide Station Operators with SAUNA Equipment-Advanced	Advanced training to provide Station Operators who already have experience operating SAUNA systems with in-depth knowledge and technical understanding of SAUNA noble gas monitoring systems to perform more complex operations and maintenance tasks.	15 – 19 October	Uppsala, Sweden	7 station operators
Noble gas/ Radionuclide Field Test	A test of OSI equipment for detection and measurement of radioactive noble gases	15 – 20 October	Equipment Storage Maintenance Facility, Vienna, Austria and Stupava, Slovakia	5 national experts and representatives from other international organizations, and 7 CTBTO staff
Technical Training Programme for Radionuclide Station Operators with Canberra Equipment	Introductory training to provide hands-on training and practical lessons to Station Operators on the operation, maintenance and repair of the Canberra Gamma Detector System, manufactured by Canberra Industries Inc.	16 – 18 October	Canberra Industries Inc., Meriden, United States of America	5 station operators
On-Site Inspection Workshop-20	Debriefing on Build-up Exercise I and II/IV and Preparations for Build-up Exercise III	29 October – 2 November	VIC	40 national experts and 43 CTBTO staff
East Asia Regional National	Introductory workshop to increase the knowledge of CTBTO and the	30 October – 1 November	Tokyo, Japan	43 technical staff members

Data Centre Workshop	capacity of States Signatories to participate in implementation of CTBT verification regime.			
International Noble Gas Experiment Workshop 2012	Advanced workshop presenting and evaluating the most recent advances in noble gas monitoring technology.	5 – 9 November	Mito City, Ibaraki, Japan	93 technical staff members
Leadership course (2 nd Training Cycle) and preparation for the Integrated Field Exercise 2014		5 – 16 November	Equipment Storage Maintenance Facility, Vienna, Austria	28 national experts and 8 CTBTO staff
National Data Centre (NDC) Capacity Building: NDC Analyst Training Course	Intermediate training to strengthen capacity of the States Signatories' participation in CTBT verification regime and to enhance their use of data and products of the Provisional Technical Secretariat for civil and scientific applications.	5 – 30 November	Vienna, Austria	10 participants, including technical staff and National Data Centre staff
International Hydroacoustic Workshop (IHW 2012)	Advanced workshop on several aspects of hydroacoustics, as they relate to monitoring of the CTBT. Objective: raise awareness of hydroacoustic technologies; explore areas of future cooperation; define potential co-operative projects.	12 – 15 November	Yokohomo, Japan	41 technical staff members
Around the Globe and Around the Clock: The	Education course focusing on the technical aspects of the CTBT verification regime (International Monitoring System (IMS),	12 – 23 November	VIC	504 participants from 76 countries 389 followed the course online, while 115 participated in person

Science and Technology of the CTBT	International Data Centre (IDC) and OSI) and outreach to member-states			
November Information Visit	An information visit for representatives from Angola, Thailand and Yemen (which have not yet ratified), who were given an overview of the work of the Secretariat and the CTBT verification technologies	14 – 16 November	VIC	5 Participants Angola (3) Thailand (1) Yemen (1)
Training for Station Operators with Nanometrics Equipment and Standard Station Interface	Introductory training to provide Station Operators with the basic technical understanding on the operations, maintenance and management of an International Monitoring System station using waveform technology and to provide hands-on training.	19 – 23 November	Vienna, Austria	13 station operators
ASEAN NDC Development Workshop	Introductory workshop	26 – 28 November	Thailand	27 technical staff members
4 th Expert Advisory Meeting for Integrated Field Exercise 2014 preparation	Expert Advisory Mechanism	2 December	VIC	11 national experts and 10 CTBTO staff
Technical Training Programme for Radionuclide Station Operators with Spalax	Advanced training	3 – 6 December	France	7 station operators

Equipment-Advanced				
Field Test Air-borne Magnetics and Air-borne gamma survey	Equipment tested on OSI relevant survey parameter	25 November – 1 December	Hungary	4 national experts and 4 CTBTO staff