

ANNOUNCEMENT

Information and guidance for candidates for the 3rd OSI training cycle for surrogate inspectors:

1. Objective

This call for nominations is based on the OSI action plan (2016-2019) and the endorsement by WGB-46 (INF.1346) of the plan for the further development of the OSI Training Program, including the proposed OSI 3rd training cycle, which calls for the increase of the roster of OSI surrogate inspectors by 50 additional trained experts.

In order to be added to the roster, a nominated candidate will have to participate successfully in the Training Cycle.

2. Estimated Time Frame – 3rd training cycle

The 3rd training cycle will include the following training blocks spaced out in a time span of approximately 3½ years from October 2016.

In preparation for each element of the training blocks, participants will utilise e-learning modules to study at their own pace as a pre-requisite for the individual courses.

Training Blocks

Block 1: Introductory Training Block

Introductory Training Course – 2 Week Course

Cross Cutting Elements

Health and Safety Training Course – 1 Week Course

Visual Observation (VOB) and Radionuclide (RN) related Inspection Techniques – 1 Week Course

Rapid Deployment and In-Field Operations Support – 1 Week Course

Total Block 1: 5 weeks

Block 2: Advanced Training Block

Advanced Course – 3 Week Course

Technical Courses – 1 or 2 Week Courses each:

Seismic Techniques

Non-seismic Geophysical Techniques

RN including Noble Gas (NG) Techniques

VOB Techniques

Overflight Techniques

Total Block 2: 10 weeks; however, depending on expertise and assignment, participants will need to attend not more than a maximum of approximately 6 weeks training during Training Block 2

Block 3: Soft Skills and Leadership

Soft Skills and Leadership Training Course -1 Week Course

Field Training Exercise –2 Weeks deployment

Total Block 3: 3 weeks

Total for the 3rd Training Cycle (TC): 18 weeks; however, depending on expertise and assignment, participants will need to attend not more than a maximum of 15 weeks training during the 3rd TC. Additional short training events might be organised before exercises to accommodate training on newly received equipment, systems or methods to further practice synergy of techniques and team members.

3. Qualifications, Expertise and Entry Requirements of Candidates

Candidates should be qualified experts in subjects related to the inspection activities and techniques according to Paragraph 69 of Part II of the Protocol to the Treaty or have expertise in other subjects needed during an OSI.

a. Nominees should be qualified in one or more of the following:

Treaty Provisions	Examples
(a) Position finding	<p>Position finding from the air and at the surface to confirm the boundaries of the inspection area and establish coordinates of locations therein, in support of the inspection activities;</p> <p>Advanced land and air navigation for position finding;</p>
(b) Visual Observation	<p>Visual observation, video and still photography and multi-spectral imaging, including infrared measurements, at and below the surface, and from the air, to search for anomalies or artefacts;</p> <p>Field geology and visual observation of geomorphological features and artefacts;</p>
(c) Measurement of levels of radioactivity	<p>Measurement of levels of radioactivity above, at and below the surface, using gamma radiation monitoring and energy resolution analysis from the air, and at or under the surface, to search for and identify radiation anomalies;</p> <p>Radionuclide particulate and/or noble gas transport processes in the subsoil, water and the atmosphere and associated environmental sampling techniques; Processing, detection and analysis of radionuclide particulate and/or noble gas samples;</p>
(d) Environmental sampling	<p>Environmental sampling and analysis of solids, liquids and gases from above, at and below the surface to detect anomalies;</p>
(e) Passive seismological monitoring	<p>Passive seismological monitoring for aftershocks to localize the search area and facilitate determination of the nature of an event</p> <p>Regional, local or nano seismic monitoring;</p>
(f) Resonance seismometry and active seismic surveys	<p>Resonance seismometry and active seismic surveys to search for and locate underground anomalies, including cavities and rubble zones;</p> <p>Active seismic measurements;</p>

(g) Magnetic and gravitational field mapping, ground penetrating radar and electrical conductivity;	<p>Magnetic and gravitational field mapping, ground penetrating radar and electrical conductivity measurements at the surface and from the air, as appropriate, to detect anomalies or artifacts;</p> <p>Applied geophysics in near-surface or deep surveys using at least one of the following techniques: ground penetrating radar, magnetometry, gravimetry and electrical conductivity measurements (i.a. time-domain and frequency-domain electromagnetics, very low frequency electromagnetics, audio-magnetotellurics, electrical resistivity tomography, induced polarisation, self-potential);</p>
Additional Skills of Interest	<p>Rapid deployments, in-field operations support, communications, health and safety, field medical care, or field administration</p> <p>Aviation including rotary and fixed-wing aircraft safety, flight planning and flying operations.</p> <p>Field Documentation and Quality Management Systems (e.g. Chain of Custody Procedures)</p>

- b. Nominees should have experience related to field work and at least one of the following: field laboratory operations, field scientific research and application associated with the inspection techniques, data processing and assessment, and/or scientific or general report writing.
- c. Nominees should be familiar with or come from work environments such as: international, military, civil protection, governmental agencies, scientific institutions, research centres, logistics bases, medical. Please note, much of the OSI work is based in field conditions and in a wide range of climatic and terrain conditions.
- d. Nominees are required to have good working knowledge of the English language.
- e. Nominees are medically fit: Selected candidates will be required to provide evidence of medical fitness as per the attached medical questionnaire. Being field based, much of the OSI activity demands a considerable degree of physical fitness to undertake sometimes demanding activity in a variety of environments. Individuals must consider their own personal fitness and medical circumstances prior to applying for a surrogate inspector role. **The proforma questionnaire needs only to be completed by a medical doctor if you are selected to join the surrogate inspector programme and is not required on initial application.**

4. Nomination process

Nominations of candidates will need to be sent by Note Verbale from the permanent missions no later than **3 May 2016**

Nominations should include **written communication from the Permanent Mission** of the State Signatory to the Commission confirming the support given to the candidate(s) and a **Personal History Form (PHF)** (attached) completed by each candidate with **obligation** of the candidate's availability during the entire cycle.

In addition to the Note Verbale, the PHF and the competency matrix, should be sent electronically to the following contacts:

Please submit electronic applications to the following email addresses.

E Mail: osi_inspectorate@ctbto.org or Grace.Sseruwagi@ctbto.org

For further information, please use the following telephone number:

F: +43 (1) 26030 6306

Postal communication:

On-site Inspection Division/Training Section
Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty Organization
Vienna International Centre, P.O.Box 1200, 1400 Vienna, Austria

The selection of trainees will be based on expertise, health, geographical distribution, gender balance and working language proficiency.

States Signatories are encouraged to nominate qualified female candidates.

Candidates and nominating States Signatories will be notified on the result of the selection process.

5. Expenses

Expenses incurred by trainees in relation to travel and accommodation will be covered by the Commission in accordance with the relevant financial rules and regulations.