CBRN
Operational Sampling Course
NATO SELECTED

Rieti, Italy
30 Sep – 11 Oct 2019
### Part 1

**Didactics**

<table>
<thead>
<tr>
<th><strong>1. Course Name:</strong></th>
<th>CBRN Operational Sampling Course</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Classified:</strong></td>
<td>NATO SELECTED</td>
</tr>
<tr>
<td><strong>2. Classification:</strong></td>
<td>UNCLASSIFIED</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>3. Course Mission/Aim/Objectives:</strong></th>
</tr>
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<tbody>
<tr>
<td>The aim of the “CBRN Operational Sampling Course” is to train CBRN Specialists in CBR survey and sampling activities as well as procedures. References as National and International Agencies documents and publications.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>4. Course Length:</strong></th>
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<tbody>
<tr>
<td>10 working days (72 hours); normally, from Monday to Thursday (08:00 – 16:30) On Friday from 08:00 to 12:00</td>
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<table>
<thead>
<tr>
<th><strong>5. Dates:</strong></th>
</tr>
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<tbody>
<tr>
<td>30 Sep - 11 Oct 2019</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>6. Location:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Italian Joint NBC Defence School</td>
</tr>
<tr>
<td>Piazza Marconi, 7</td>
</tr>
<tr>
<td>02100 Rieti (Italy)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>7. Courses per Year:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>8. Language:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>9. Language Proficiency:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>in accordance with standards described in STANAG 6001:</td>
</tr>
<tr>
<td>Listening: 2 (Fair); Speaking: 2 (Fair); Reading: 2 (Fair); Writing:2 (Fair).</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>10. Maximum Students:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>The course is tailored for a maximum of 24 participants.</td>
</tr>
<tr>
<td>(20 Of Them reserved To foreign personnel and the lasts 4 to the Italian one).</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>11. Attendance:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>This course is open to selected personnel already trained in CBRN monitoring survey and reconnaissance, who are expected to be employed in SIBCRA Teams.</td>
</tr>
<tr>
<td>Ranks will range from “Enlisted personnel” to “Junior NCOs/Officers” and civilian equivalent.</td>
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<thead>
<tr>
<th><strong>12. Entry Level (pre-requisites):</strong></th>
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<tbody>
<tr>
<td>Participants should have basic operating standards of proficiency and be proficient in survival skills as well as in CBRN monitoring, survey, reconnaissance and contamination control.</td>
</tr>
<tr>
<td>For students from NATO and PfP countries further details are provided in STANAGs:</td>
</tr>
<tr>
<td>- 2451 - AJP3.8;</td>
</tr>
<tr>
<td>- 2521 - ATP-3.8.1 vol. 1;</td>
</tr>
<tr>
<td>- 2522 - ATP-3.8.1 vol. 2;</td>
</tr>
<tr>
<td>- 4632.</td>
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</tbody>
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<tr>
<th><strong>13. Course Programme:</strong></th>
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<tbody>
<tr>
<td>The Course lasts 72 hours, 48 of which trains survey and sampling skills using standard protocols in CBR scenarios.</td>
</tr>
<tr>
<td>Considering attendees are supposed to be CBRN specialists, the course will start with an initial short overview and update of the CBRN threats in military operations, focusing on protection principles and procedures (individual and collective) including protection against Toxic Industrial Materials (TIM).</td>
</tr>
<tr>
<td>Afterwards, students will be grouped into teams (max 6 components each one) and will learn and practice survey and sampling procedures as detailed in relevant unclassified documents.</td>
</tr>
</tbody>
</table>
| The skill in such procedures will be achieved by several drills performed in the training area, where realistic scenarios are created by using “safe live agent” CBR and TIMs (sealed beta and beta-gamma sources, photo-luminescent powders and liquids, chemical simulating
substances, innocuous bacteria and natural leavens like saccharomyces).
During the course the teams will be equipped with sampling and survey instruments used by
Italian NBC specialists.
It will be also possible for students to use of their own instruments and devices, under own
responsibility.
For individual protection the students will use their own IPE (over-garment and respirator).
However, in some exercises, they will wear an heavy protection suit provided by the ITA
NBC School.
During the course it will be provided a basic training on “no-light sampling and survey”.
Besides a Biological-Chemical laboratory will support the exercises in the training area in
order to verify the quality level of biological samples collected by the Teams.
The course is addressed to give the students real capability and skill to successfully perform
survey and sampling in a contaminated environment by unknown CBR agents and TIMs.
They will be able to assess the risk and to ensure timely warning and reporting.

14. Course Topics:
- threats by CBR agents and TIMs;
- protection principles against CBR agents and TIMs;
- “Forensic awareness”;
- use of devices and equipment to:
  - identify sources of radiation and radioactive contamination;
  - perform sampling of radiological agents following standard procedures;
  - perform survey and identification of chemical agents and TICs;
  - perform sampling of chemical, industrial and biological agents following standard
    procedures;
  - perform basic CBR “no-light sampling and survey” procedures;
  - perform DAT Sampling and survey procedures (playing DAT in live-simulation
    within a vignette/scenario);
- report data following NATO procedures;
- scenarios for combined deployment of SIBCA and SIRA Teams in areas supposed to be
  contaminated by unknown CBR agents and/or TIMs.

15. Skills achieved:
At the end of the Course students will be able to conduct the following activities in a CBR
and TIMs contaminated scenario:
- Survey and Monitoring:
  - Survey;
  - Ground Deposition Monitoring;
  - Radiation Sources Monitoring;
  - Surface CR contamination survey.
- Ground laying and monitoring:
  - Collection, handle, package, preservation and transport of the following samples:
    - environmental such as: low volume particulate air, surface soil, surface water,
      vegetation and pasture, swipes and smears;
    - unusual powders, liquids, defused munitions, arthropod vectors of disease.

16. Review Course Information:
Before attending the course, the students are requested to review topics related to chemical,
biological and radiological protection, dosimetry, basic principles on radiological and
chemical reconnaissance.
# Part 2

## Admin and Support Information

### 1. Permission for course attendance:

Send requests and application forms to: Italian Ministry of Defence using the following e-mail address: stamadifesa@smd.difesa.it specifying in the mail text “addressed to STAMADIFESA II REP and STAMADIFESA III Rep.”

### 2. Certificate of Security Clearance:

Not necessary

### 2. Request for visit:

Not necessary

### 4. Tuition Fee:

The course fee is € 612,00 for each attendant and it has to be paid in advance by bank transfer using the following bank account:

- **IBAN:** IT 65 W 07601 14600 000010256022
- **Payee:** Ministero della Difesa – Scuola Interforze Difesa NBC;
- **Payment description:** 16th CBRN Operational Sampling Course - from 30/09/2019 to 11/10/2019;
- **BIC/SWIFT:** BPPIITRRXXX (only in case of foreign bank transfer).

Otherwise, the course fee can be paid directly at the administrative office of the Italian Joint NBC School.

The course fee includes daily meals (excluded Saturday, Sunday and public holiday during the week). Any possible cost update will be communicated at the starting of the course.

The Italian Joint NBC School do not release invoice.

### 5. Travel and transportation:

The Italian NBC Defence Joint School, is located in Rieti, located 80 kilometers on the North-East of Rome.

Attendees are responsible for making their own travel arrangements to Italy.

The airport of reference is the Rome - Fiumicino International Airport “Leonardo da Vinci”, but it is also possible to fly to Rome - Ciampino Airport (especially using low cost airlines).

For additional information see **Annex A- How to reach Rieti.doc**

Transportation from and to hotels, if necessary, will be provided daily by the NBC School.

### 6. Lodging:

**Local Hotels.** Attendees have to book hotel room by themselves taking in to consideration the dates above mentioned.

Estimate price starts from € 50.00 (breakfast included).

Please see the **Annex B - Local Hotels.doc**

### 7. Meals:

Meals available at the military canteen from Monday to Sunday, if requested

- Breakfast euros 1,10;
- Lunch euros 4,58;
- Dinner euros 3,47;

Detailed receipt will be issued upon payment.

Meals in local restaurants (€ 25.00/35.00).

### 8. Dress:

Battlefield uniform will be worn during the course. Attendees are requested to bring their own protective suite (over-garment and respirator).
9. Medical Support:
“Role 1” care will be provided by the NBC School.
Emergency and general medical support will be provided by the National Medical Service according to EU Regulations (Please bring the E-111 Form or equivalent.).

Insurance:
For the attendees that doesn’t belong to UE or for who that his own government didn’t agreed with Italy through international or bilateral or multilateral agreement, is mandatory to sign a specific insurance policy with Italian or foreign insurance institute, valid throughout the country against risk of illnesses, accidents and maternity. Copy of the contract must be delivered to NBC School before the start of the Course.

10. Course Milestones:
The following calendar has been established in order to guarantee the best outcome for the course:

<table>
<thead>
<tr>
<th>DATES</th>
<th>ACTIVITY</th>
<th>ACTION</th>
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</thead>
<tbody>
<tr>
<td>Until 31/05/2018</td>
<td>All information about the course will be spread inside Working Group</td>
<td>ITA NBC SCHOOL Through the own delegates for CBRN NATO Panels</td>
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<tr>
<td></td>
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<tr>
<td>No later than</td>
<td>Send the Joining Report to the Italian Ministry of Defence - SMD</td>
<td>Office Attachè accredited</td>
</tr>
<tr>
<td>31/05/2018</td>
<td>see Annex C - Joining report.doc</td>
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B. Gen. Sossio ANDREOTTOLA
Joint NBC Defence School Commander

Signed hard copy available at the Course Branch Office

List of annexes:
Annex A - How to reach Rieti from Rome Fiumicino Airport
Annex B – Local Hotels
Annex C - Joining Report Format
HOW TO REACH THE ITALIAN JOINT NBC DEFENCE SCHOOL - RIIETI

In order to allow the delegates to reach RIIETI from FIUMICINO “Leonardo da Vinci” International Airport, follow the indications as stated below:

From FIUMICINO air terminal there are two indications for the railway stations of interest:

1. Train to FARA SABINA railway station, then take the bus to RIIETI;
2. Train to ORTE/POGGIO MIRTETO passing through FARA SABINA (running time takes about 75 minutes because of some several mid journey stops before arriving at FARA SABINA). In this case take get off the train at FARA SABINA railway station and then take the bus to RIIETI. For further information see the railways website “www.trenitalia.it “.

Trains leave the air terminal every 30 minutes, from 05:57 am to 10:57 pm. Tickets are available at the ticket office or at the ticket machines located in front of the platforms (ticket cost is about 5 €). Be aware of the different schedule on train departures that applies on Sundays.

For arrivals later than the last train scheduled, a night service is available from FIUMICINO Airport to ROMA “Tiburtina” Railway Station: you can use both a Bus Service, run by CO.TRA.L (bus stop located outside the arrivals hall of international and national terminals; departures time: 01:15, 02:15, 03:30, 05:00; ticket costs about 5 €), and a Taxi Service (available at the arrivals area of the terminals; recommended to use only authorised taxis, white vehicles with a taximeter).

For landings to the ROME airport CIAMPINO, it will be own responsibility to reach the FARA SABINA Railway Station.

Other best ways to reach RIIETI, using only public means of transport, are the following:

- **Transfer from ROMA “Tiburtina” Bus Station to RIIETI Bus Terminal**
  As soon as you arrive at Rome “Tiburtina” Railway Station you must exit and go to the Bus Terminal located in the square in front of the train station. Tickets are available at the ticket office located inside the main hall of the Station (ticket cost is about 4 € for a one way trip).

- **Transfer from FARA SABINA Railway Station to RIIETI Bus Terminal**
  As soon as you arrive at Fara Sabina Railway Station you must exit and go to the Bus Terminal located in the square in front of the train station. Tickets are available at the
ticket office located inside the main hall of the Station (ticket cost is about 2 € for a one way trip).

The coaches from ROME “Tiburtina” and “Fara Sabina” to “RIETI” is run by CO.TRA.L. The bus makes several mid journey stops before arriving in RIETI (you have to get off at the end of the journey, in front of RIETI Railways Station).

For further information see the website www.cotralspa.it.

How to reach the hotel and the Italian Joint NBC Defence School when in RIETI:

the hotels are nearby the Railway Station; if you need a Taxi Service, it is available calling the number: 0746 200721 or 0746 496711.

The main gate of the NBC School is at almost 400 meters from the bus terminal.

**Points of contact (for any information about logistics):**

**PRIMARY**
Lt. Federico BALDASSI
e-mail: federico.baldassi@esercito.difesa.it
Telephone/fax: +39.0746.203305 Ext. 337

**ALTERNATE**
CDR IT N Rinaldo CECCARELLI
e-mail: rinaldo.ceccarelli@marina.difesa.it
Telephone/fax: +39.0746.203305 Ext. 331

Course Management Office
Italian joint NBC Defence School
P.zza Marconi, 7
02100 Rieti (Italy)
Telephone: +390746203305
FAX : +39.0746.251014
<table>
<thead>
<tr>
<th>Corsa</th>
<th>Nettare Saba</th>
<th>Mont</th>
<th>Sette Bagani</th>
<th>Borgata Fiscat</th>
<th>Roma Tiburtina</th>
<th>Airpt Polentino</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:57</td>
<td>06:55</td>
<td>07:29</td>
<td>07:20</td>
<td>07:29</td>
<td>07:30</td>
<td>07:31</td>
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</tbody>
</table>

**LEGENDA:** timetable in **RED** not running on Sundays

**timetable in **BLU** not running on Saturdays and Sundays

**timetable in **BLACK** running every day**
ACCkommodation

We suggest to book your accommodation in one of the following hotels (close to the school) to ensure the pick up service during morning (if someone will book rooms in other hotels the School will not provide the service above mentioned).

**ALBERGO QUATTRO STAGIONI**  
Piazza Cesare Battisti, No 14  02100-Rieti  
+39 0746 271071  
+39 0746 271090  
hotelquattrostagioni@libero.it  
www.hotelquattrostagionirieti.it

**HOTEL CAVOUR**  
Piazza Cavour, No 10  02100 - Rieti  
+39 0746 485252  
+39 0746 484072  
www.hotelcavour.net  
info@hotelcavour.net

**HOTEL SERENA**  
Via della Gioventu', No 17/A  02100 - Rieti  
+39 0746 270930  
+39 0746 258018  
hotelserenarieti@libero.it  
www.hotelserena.it

**ALBERGO HOTEL MIRAMONTI**  
Piazza Oberdan, No 7  02100 - Rieti  
+39 0746 201333  
+39 0746 205790  
info@hotelmiramonti.rieti.it  
www.hotelmiramonti.rieti.it
### JOINING REPORT

<table>
<thead>
<tr>
<th>FROM</th>
<th>TO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rank:</td>
<td>ITALIAN MINISTRY OF DEFENCE - SMD</td>
</tr>
<tr>
<td>Name:</td>
<td><a href="mailto:stamadifesa@smd.difesa.it">stamadifesa@smd.difesa.it</a></td>
</tr>
<tr>
<td>Country:</td>
<td>CBRN Operational Sampling Course</td>
</tr>
<tr>
<td>Unit:</td>
<td>Rieti 30 Sep - 11 Oct 2019</td>
</tr>
<tr>
<td>Phone nr:</td>
<td>REF</td>
</tr>
<tr>
<td>Fax nr.:</td>
<td>CBRN Operational Sampling Course</td>
</tr>
<tr>
<td>E-mail:</td>
<td>Rieti 30 Sep - 11 Oct 2019</td>
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</tbody>
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#### 1. DATA
- Last Name: ____________________________________________;
- First name: ____________________________________________;
- Duty Position: __________________________________________;
- Previous experiences on CBRN: ____________________________;
- Nationality: ____________________________________________;
- Number of people: ______________________________________;
- Arrival date and time: _________________________________;
- Departure date and time: ________________________________;
- English level: _________________________________________;

#### 2. ACCOMODATION
Hotel: _________________________________________________;

#### 3. TRAVEL DETAILS
- My date of arrival is ____________ at approximately ________ am/pm ;
- My date of departure is ____________ at approximately ________ am/pm ;
- Mode of travel (air, car, train): ____________________________;

#### 4. ENTRY PASS
Please provide following information on a valid identification document:
- Military ID/Passport N.: ________________________________;
- Issued by: ____________________________________________;
- Date of release: ______________________________________;
- Expiry date: _________________________________________;