NATIONAL SCHOOL OF CIVIL PROTECTION
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The aim of the National School of Civil Protection is to deliver on the training requirements of the parties involved in Spain’s civil protection system in order to contribute to the maintenance and enhancement of its ability to manage risks and to intervene in emergency situations.

Created by Royal Decree 901/1990 of 13 July, the School reports to the Directorate-General of Civil Protection and Emergencies.

**Duties**

Pursuant to Law 17/2015 of 17 July on the National Civil Protection System, the School is the core plank for specialised and senior command training and performs the following activities:

1. Trains and coaches the civil-protection service personnel of Spain’s central state government and other public and private institutions through the relevant conventions, where applicable, and people from other groups of interest to the civil protection system. It can reach agreements with other governments, through the relevant conventions, for the training and coaching of their personnel.

2. Develops R&D&I activities in the area of civil-protection training.

3. Work with partnerships with the civil-protection training centres of other public authorities.

4. Engages in the training activities provided for under the European Commission’s EU Civil Protection Mechanism and other EU initiatives to encourage team and service interoperability. It can also implement training activities for other countries and foreign/international institutions.

5. The National School of Civil Protection can, with authorisation from the Ministry of Education, Culture and Sport and the Ministry of Employment and Social Security, respectively, teach courses leading to the attainment of official vocational training qualifications and professional certificates in relation to civil protection.

The School thus contributes to the training of the service personnel of entities that comprise the system, supplements the training provided by other institu-
MISSION OF THE SCHOOL

Implement the training policies approved by the parties responsible for the national civil protection system to maintain the skills levels of its members in accordance with the role they play in the sphere of public organisations.

Strategies that define the School's mission:

1. Collaboratively lead the national public training system in civil protection so that the effort made by all the training centres concerned is coordinated and targeted at previously established common goals.
2. Act as a benchmark centre in civil protection training.
3. Cooperate with public systems on civil protection training from other countries, particularly the European Union, Latin America and the Caribbean and Africa, to strengthen their planning, prevention and response capacity in an emergency.
Preparation

To design the training plan, all the training requirements of the national groups involved in the national civil protection system are first collected and studied at meetings and through needs-detection questionnaires addressed at the different central state government organisations with personnel involved in different functions within the system.

Their training managers and services are the parties who, together with the National School of Civil Protection, detect the groups’ requirements in this field. They furthermore study the evaluation conclusions of the previous year’s plan and take them into consideration when designing the new plan.

Structure

Activities are classified into knowledge modules and sub-modules covering the actions of the comprehensive risk and emergency cycle: Risk analysis and prevention, planning, operational intervention and rehabilitation. There is a general module for training in the basics of civil protection and an international module compiling activities targeted at professionals from other countries.

The principal training activities and their duration, divided into modules and sub-modules, are listed in the attachment to this document.

Another and more strategic division of the training plan is by programmes expressed in line with the knowledge areas and/or groups at which they are targeted. Of special note are:

- Courses for personnel involved in nuclear emergency plans.
- Advanced civil-protection courses covering different risk and technical areas,
- Courses for civil protection volunteers.
- Self-protection programme.

Teaching methodology

The training activities are principally conducted face-to-face, both at the school and on an outreach basis across other parts of Spain and in centres abroad. They are eminently practical in nature.

The school also engages in an important number of technical seminars which are meeting forums for technical officers and specialists in different areas of interest, intended to promote knowledge about new issues in civil protection and to exchange technical expertise with other institutions.
Target audiences

The training courses are aimed at the members of the civil protection services, first and foremost from the central state government but also from other public administrations, although certain activities are aimed at other groups of interest to the civil protection system, such as civil protection volunteers.

The target audience and priorities to consider when selecting students are specified in the announcement of each training activity. Applicants must meet the required profile to be admitted onto the course and those who are already serving in organisations that form part of the national civil protection system will be prioritised, firstly those that work for the central state government, then autonomous community personnel and finally city council staff, in that order.

Applications endorsed by the applicant’s line manager at the entity or institution where they provide their services will be prioritised over those that do not have this endorsement.

Registration process

Personnel who comply with the requirements established in the target audience section can apply for the activities on offer. Applications will be processed online only, through the school’s training activities management system, except where expressly stated otherwise. If interested parties are not registered as students on the computer application, they must sign up before being able to apply.
Covering an area of approximately 200,000 m², the National School of Civil Protection is located in Sureste Regional Park in the municipality of Rivas Vaciamadrid, Madrid. Operations began at this location in 1997.

The school boasts a comprehensive range of infrastructures that enable the training activities to be run well, including practical training carried out in the most realistic-possible scenarios and training in work techniques and methods for emergency interventions.

School building

The building covers 24,000 m² of extensive, modern facilities, fully equipped with wifi and an outdoor parking lot for more than 100 cars.

Classrooms
- 12 classrooms with seating for 360 students.
- 1 virtual classroom with scale models.
- 1 computer room.
- 4 rooms for Operation Coordination Centre scenarios.

Conference room

Accommodates up to 100 people. The conference room is regularly used for national and international events.

Assembly hall

On two floors: ground and amphitheatre. Can seat up to 550 people. The assembly hall is equipped with audiovisual and simultaneous translation equipment.

Student and teacher residence

68 rooms with a total of 100 beds available free of charge for students and teachers. Occasionally the limited number of beds makes it necessary to share a double room. Guests must book in the day before the course starts (11 pm at the latest) and book out on the last day of the course (before 12 midday). The residence must be booked when signing up for the course.

Common areas
- Computer room, relaxation areas and laundry.
- Cafeteria serving up to 300 people. Breakfast and lunch, Monday to Friday.

Meeting rooms
Practice grounds
The practice grounds cover 50,000 m² divided into the following training areas:

Fire and hazardous materials area
- Surface area: 7,500 m² divided into three platforms.
- Training in the handling of extinguishers and firefighting fixtures.
- Outdoor firefighting.
- Suppression of fires confined in buildings.
- Hazardous material accident simulation.

Water rescue area
- 9,400 m³ pool up to seven metres deep in parts.
- Earmarked for training in the handling of rescue vessels, underwater rescues and flooded area scenarios.

Accidents area
- Surface area: 12,500 m².
- Dedicated principally to the training and simulation of multiple road and rail accidents.

Collapsed structures area
- 2 x 7,500 m² zones.
- Over 150 hidden points.
- Underground galleries, 240 m long.
- Vertical accesses.
- Vehicles trapped in rubble (bus, train carriage).
- Constructions simulating collapsed buildings, with five-floor structures measuring 100 m² per floor.
- Dedicated area for strutting, bracing, load movement and slab breakage.

Landslides area:
- Surface area: 4,500 m².
- Training in the rescue of people who have been buried, either from the surface or through underground galleries.

The practice grounds also feature inland and bypass roads and other ancillary structures such as a classroom, changing rooms and toilets, car parks and storage areas. The grounds are also used to train specific groups from different public administrations.
TRAINING ACTIVITIES LIST

**MODULE 1**

**GENERAL TRAINING**

1.1 Basics of Civil Protection

<table>
<thead>
<tr>
<th>Training Activity</th>
<th>Duration (Hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>General training in civil protection for group managers and volunteers (online)</td>
<td>50</td>
</tr>
<tr>
<td>Civil protection and planning in emergencies</td>
<td>30</td>
</tr>
</tbody>
</table>

1.2 Civil Protection General Courses

<table>
<thead>
<tr>
<th>Training Activity</th>
<th>Duration (Hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Informative seminar on the EU annual civil protection programme</td>
<td>4</td>
</tr>
<tr>
<td>Humanitarian aid and international cooperation in civil protection matters</td>
<td>35</td>
</tr>
</tbody>
</table>

1.3 Civil Protection in the Context of the International Community

<table>
<thead>
<tr>
<th>Training Activity</th>
<th>Duration (Hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Spanish civil protection system and emergency management at the national and international level</td>
<td>55</td>
</tr>
<tr>
<td>Technical seminar on coordination in civil protection training</td>
<td>12</td>
</tr>
<tr>
<td>Seminars for parties involved in Operation Strait of Gibraltar</td>
<td>14</td>
</tr>
<tr>
<td>Self-protection and management of railway transport emergencies (RENFE and ADIF)</td>
<td>14</td>
</tr>
</tbody>
</table>

1.4 Civil Protection Organisation

<table>
<thead>
<tr>
<th>Training Activity</th>
<th>Duration (Hours)</th>
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</thead>
<tbody>
<tr>
<td>Structural and non-structural preventive measures against natural risks</td>
<td>18</td>
</tr>
<tr>
<td>Interpretation of natural risk maps and early warning systems</td>
<td>26</td>
</tr>
</tbody>
</table>

1.5 Natural Risk Knowledge and Analysis

<table>
<thead>
<tr>
<th>Training Activity</th>
<th>Duration (Hours)</th>
</tr>
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<tbody>
<tr>
<td>Seismic risk analysis</td>
<td>30</td>
</tr>
<tr>
<td>Adverse weather events in civil protection</td>
<td>23</td>
</tr>
<tr>
<td>Civil protection planning in natural risks</td>
<td>28</td>
</tr>
</tbody>
</table>

1.6 Technological Risk Knowledge and Analysis

<table>
<thead>
<tr>
<th>Training Activity</th>
<th>Duration (Hours)</th>
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<tbody>
<tr>
<td>Technological risk evaluation</td>
<td>30</td>
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1.7 Social Risk Knowledge and Analysis

<table>
<thead>
<tr>
<th>Training Activity</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Voluntary collaborations in large concentrations of people</td>
<td>10</td>
</tr>
<tr>
<td>Risk analysis and management in large concentrations of people</td>
<td>20</td>
</tr>
</tbody>
</table>

**MODULE 2**

**RISK ANALYSIS AND PREVENTION**

2.1 Basic Concepts

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</thead>
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<td>Interpretation of natural risk maps and early warning systems</td>
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</tr>
</tbody>
</table>

2.2 Methodological Basis for Analysis

<table>
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2.3 Natural Risk Knowledge and Analysis

<table>
<thead>
<tr>
<th>Training Activity</th>
<th>Duration (Hours)</th>
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</thead>
<tbody>
<tr>
<td>Natural risk identification and analysis (general)</td>
<td>30</td>
</tr>
<tr>
<td>Seismic risk analysis</td>
<td>30</td>
</tr>
</tbody>
</table>

2.4 Technological Risk Knowledge and Analysis

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</tr>
</tbody>
</table>
### 2.6 Risk Analysis Tools
- Simulation models applied to seismic and volcanic risk analysis 35
- GIS tools for risk analysis. Blended course 90
- Digital geographic information and its application in civil protection and emergencies 30
- Open data of the public administration 33
- Basic cartography applied to civil protection 30
- Hydrological and hydraulic simulation models applied to flood risk analysis 30

### 2.7 Additional Techniques for Interventions
- **2.8 Prevention Education**
  - Self-protection week for schoolchildren (8 to 12 years) 35
  - Fostering prevention culture among schoolchildren 15
  - Traffic accident prevent and multidisciplinary care for victims, families and environment 16
  - Action in emergencies with handicapped persons 6

### 3.0 Civil Protection Planning

#### 3.1 Basic Concepts
- Design and implementation of self-protection plans in buildings and industrial facilities 65
- Emergency design and planning in buildings and facilities 20

#### 3.2 Plan Design and Preparation
- Organisation and planning methodologies of exercises and drills 24
- Seminar on researching causes in forest fire civil-protection plans 24
- Criminal and procedural aspects 8
- Flood risk management: implementation of new regulations 20

### 3.3 Plan Management and Implementation
- Emergency planning and management for police forces 30
- Intervention techniques in accidents involving hazardous goods. Basic/Advanced 35 / 35
- Specialisation techniques in intervention in emergencies with a biological risk 35
- Level 3 CBRN specialists course for the Civil Guard 13
- Prescribed fire use for forest fire prevention and suppression: Modules I and II 52 / 52
- Operations and defence in wildfire in the wildland-urban interface 30
- Training in forest fire work for volunteers 20
- Seminars on municipal action in nuclear emergencies (nuclear environments) 7
- Theoretical/practical seminars on actions in nuclear emergencies (nuclear environments) 7

### 4.0 Emergency Operations

#### 4.1 Direction and Management in Interventions
- Emergencies direction and management: evaluation, communication and coordination 35
- Operational command and management. Crisis management tools at a command post 21
- Managing forest fire suppression operations 50
- Mid-level management of forest fire suppression operations 56
- Seismic emergency planning and management 35
- Emergency planning and management for police forces 30

#### 4.2 Search and Rescue
- Canine guidance: Veterinary first aid for rescue dogs. Basic/Advanced 30 / 20
- Canine guidance: Capacity development in search and rescue using rescue dogs 56
- Canine guidance: Specialist in collapsed structures 56
- Canine guidance: Specialist in landslides 56

#### 4.3 Disaster Intervention
- Training in the handling of extinguishers and firefighting fixtures 6
- Training for first responders in self-protection plans 8
- Self-protection operations and intervention in the case of fire in buildings 35
- Safety and intervention techniques for multidisciplinary teams in search and rescue operations involving collapsed structures in emergency situations 35
- General/training for action in nuclear emergencies (on-line) 80
- Nuclear emergencies 32
- Radiological emergencies 26
- Intervention and security coordination for first responders in emergency situations 40
- First responder coordination in hazardous goods transport emergencies 24
- Intervention techniques in accidents involving hazardous goods. Basic/Advanced 35 / 35
- Specialisation techniques in intervention in emergencies with a biological risk 35
- Training in firefighting techniques, search, orientation and rescue in underground buildings for special operations security forces. Advanced 24
- Coordination of parties involved in a traffic accident 15
- Orientation, mobility and rescue in zero or low visibility conditions 35
- Controlled bleeding for national police rescues 20
- Emergency action for special security services 32
- Water rescue for civil protection volunteers 30

#### 4.4 Logistics Support and Security
- Logistics planning in emergencies 25
- Management and control of emergency logistics support systems 25
- Seminar on police action in the event of disasters 40

#### 4.5 Healthcare Assistance in Emergencies
- Healthcare actions in nuclear emergencies (on-line) 30
- Theoretical/practical seminars on healthcare actions in nuclear emergencies (nuclear environments) 6
- Trauma victim mobilisation and immobilisation for first responders 8
- CPE and SAD course 5
- CPE and SAD refresh course 5

#### 4.6 Psychological Assistance in Emergencies
- Management of care for victims and families in mass transport emergencies 30
- Psychological support: emotional self-control and stress management among intervention groups 30
4.7 Additional Techniques for Interventions

Introduction to cartography and on-the-ground location for civil protection volunteers. 25
Seminars on interventions in cultural heritage in emergency situations.  
National emergency and risk-management plan 30

4.8 Information and Communication Techniques in Emergencies

Information and telecommunications systems in emergencies 21
Communications in civil protection organisation and emergencies for volunteers 25
Emergency communications for volunteers 12

REHABILITATION AND RECONSTRUCTION IN DISASTERS

5.1 Damage evaluation

Technical intervention in disasters: damage assessment and valuation 30

5.2 Basic Services Reestablishment

Post-disaster rehabilitation 28
Voluntary intervention in architecture and engineering in disasters 25

5.3 Aid and Subsidies

INTERNATIONAL

6.1 Latin America

Articulation of public policies and social action in disaster risk reduction: towards the development of resilient societies 35
Cities at risk compared to resilient cities with regards climate change 35
Disaster risk prevention in territorial organisation and urban development 35
Emergency management and planning in urban environments (online) 110
Natural risk prevention and planning measures 35
Natural and technological risk prevention and planning 65
Operational management in disasters 95
Virtual activity: “Disaster risk management experts’ network” (online) 150

6.2 European Union

Project presentation seminars 6
Seminars under training agreements with France and Portugal

6.3 Africa