

# CIVIL PROTECTION IN AUSTRIA



# 1. Organization of civil protection in Austria

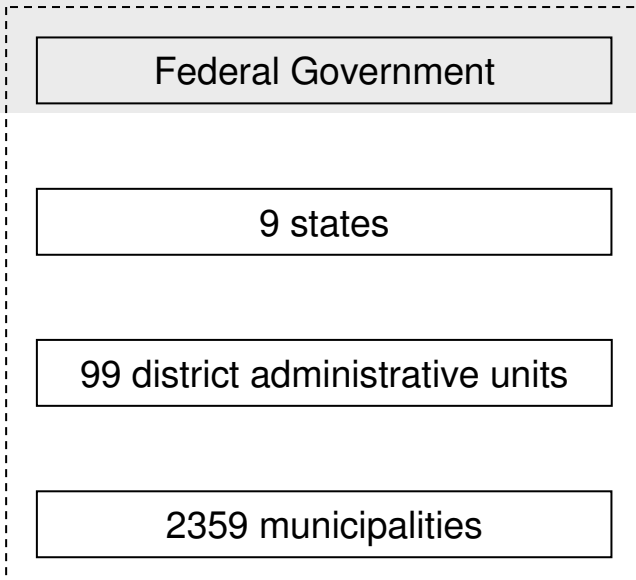


## 1.1 Structure + International cooperation

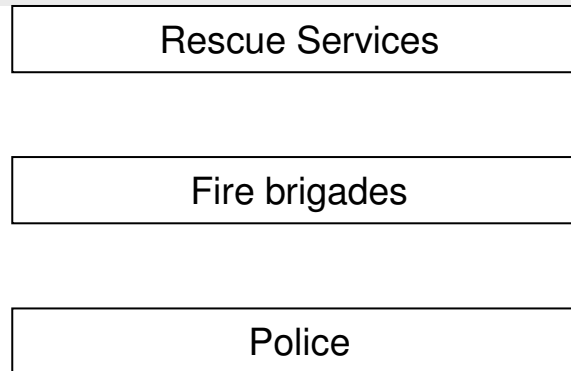
Bilateral agreements  
with different countries,  
EU,..



Different agreements with  
organization e.g. Austrian Red  
cross with multinational red  
cross,...



Government



# 1. Organization of civil protection in Austria



## 1.1.1 Government

The different organizations work subsidiary. The government undertakes in its political responsibility coordination-, cooperation- and information-duties.

### **Federal government**

- coordination of national crisis and disaster management, international cooperation
- with *federal alarm center* – in contact with 9 regional alarm centers, rescue organizations alarm centers and ministries
- with *co-ordination board for disaster and crisis management*

### **9 states**

- provide legal framework (rescue services, fire brigades, disaster relief)
- manage large scale disasters

### **District administrative units**

- main disaster management authority

### **Municipalities**

- set up rescue services, fire brigades, provide resources
- manage local disasters

# 1. Organization of civil protection in Austria



## 1.1.2 Rescue Services

The operative jobs are transferred to civil rescue services. They work in their own responsibility.

The following rescue services are available: Austrian Red Cross, ASB, Johanniter, Malteser, Mountain Rescue, Austrian cave rescue.

In Austria there are approx. 800 rescue centers, approx. 500 of these are permanently staffed. There is an emergency medical staff of approx. 41.000 available.

## 1.1.3 Fire brigades

In Austria fire fighters and rescue services are different organizations – but they work closely together.

There are 4.882 fire brigade stations in Austria, 4.549 stations are voluntary run, 327 are company fire brigade stations and 6 professional stations. There are around 270.000 fire fighters.

# 1. Organization of civil protection in Austria



## 1.1.4 Police

In Austria there are approx. 28.000 police men.

## 1.1.5 Military assistance

In the case of large disasters (e.g. earthquakes) civil authorities may request assistance from the federal army. In these cases it is clearly fixed that the army acts as assistance service – that means the army gets orders from different civil authorities.

## 1.3 Role of volunteers

The role of volunteers in the disaster management is very important. This is a very special system in Austria.

Approx. 75% of all people working in rescue services are volunteers.

More then 90% of all fire brigade stations are run by volunteers.

Additional to this recently the „Team Austria“ was founded. All citizens of Austria can become member of this. The members fill there profession and skill in a data base. In the case of a large disaster these members will fulfill easy service jobs for rescue men or firefighters (e.g. filling sand bags, carrying material, etc...)

## 2.Units in case of disaster (Rescue services)



The rescue organizations have created different units to be used in case of disasters .

For international help there are special units (ERU,..) available.

### **Very important to mention:**

In rescue services most of the cars (ambulances), material and staff are used in daily business for usual ambulance service. In the case of a disaster the same cars, material and staff is used for disaster management. The advantage of this system: you have a lot of resources available in the case of disaster. Also the training of staff is done in daily business.

In the case of disaster the organization changes from an organizing system (in daily business) to a military (strictly hierarchically) one.

### **2.1 Basis elements of disaster units**

In the case of a disaster there is a very special situation. To handle this situation the disaster units must be well prepared. To achieve this the following elements must be focused on :

#### ***Description of duty***

It must be clearly defined what the purpose of the unit is. In the case of a disaster it must be very clear which duties have to be performed by this unit.

## 2.Units in case of disaster (Rescue services)



### ***Structure and duties of staff***

It must be clearly defined which person is responsible for what job and who has the power to give orders

### ***Education of staff***

It is very important to have educated and well trained staff in the case of a disaster. The people have to do practical and theoretical training all the time. Disaster management is becoming more and more complicated.

### ***Special cars***

There must be cars and trucks with the suitable equipment available. The equipment must be of high quality because the people must be able to rely on it 100% in the emergency case. The people must be well trained to use the equipment in the right way.

### ***Material***

In the case of a disaster the needed material must be available. This must be prepared all the time.

## 2.Units in case of disaster (Rescue services)

### 2.2 Units

#### 2.2.1 Sanitary station

Sanitary stations must be established and run.

The following duties must be performed:

- Rescue of the injured
- Triage
- Treatment of the injured
- Transport
- Information management
- Psychosocial treatment





## 2.Units in case of disaster (Rescue services)

### 2.2.2 Further units

- **Management**

- **Evaluation**

- **Logistics**

- **Communication**

mobile communication,  
also with other  
organizations

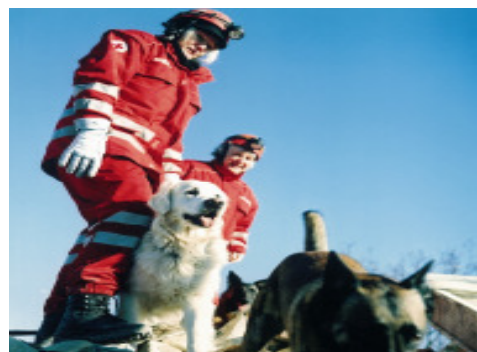


- **Mobile Teams**



- **Searching dogs**

in case of earthquakes,  
national and  
international



- **Food supply**  
for 350 persons



- **Accommodation and camps**

10 sleeping tents, 1  
dining tent, 1 storage  
tent, 1 office tent



## 2. Units in case of disaster (Rescue services)



- **Technical and power supply**

Power supply for a camp of 350 persons, sanitary equipment



- **Deco station**

ABC decontamination, also for injured



- **ABC self protection**

- **Social and care services**

- **Psychosocial care** for victims, relatives and rescue personal

- **Drinking water preparation**

72.000 l a day



- **Mobile lighting**



## 3. Cars and trucks used in civil protection



### 3.1 Ambulances

Ambulances are very important in the case of disasters. Usually they are used for ambulance services.

Since 1999 there is an European standard (EN1789) for the equipment of ambulances. Since there are many different ambulance systems in Europe the standard is not very detailed in some aspects. The most important items are related to safety. Only in some countries in Europe these safety standards are considered.

#### 3.1.1 Types of ambulances (according EN1789)

##### ***Patient transport ambulance***

road ambulance designed and equipped for the transport of patients who are not expected to become emergency patients

##### ***Emergency ambulance***

road ambulance designed and equipped for the transport, basic treatment and monitoring of patients

##### ***Mobile intensive care unit***

road ambulance designed and equipped for the transport, advanced treatment and monitoring of patients

# 3. Cars and trucks used in civil protection



**Patient transport ambulance**



**Emergency ambulance**



**Mobile intensive care unit**



## 3. Cars and trucks used in civil protection



### 3.1.2 Quality and safety of ambulances

The most important safety requirement in the standard is a 10g dynamic test. The equipment in the ambulance must be strong enough to withhold a strength of 10g in every direction. People working in ambulances stay in an ambulance to help other people the whole time. For them it is very important to work in a safe car.



Ambulance equipment in good condition after a crash



There must be proper enforcement to make an ambulance safe

A graphic layout for a presentation slide. At the top, it features the 'DLOUHY MOVES' logo on the right and the text 'Dlouhy Crashtests for your security' on the left. Below this is a large black rectangular area, likely a video player. At the bottom right of the slide, the text 'Volkswagen T5' is displayed.

## 3.Cars and trucks used in civil protection

### 3.1.3 Equipment and medical devices in ambulances

In the standard EN1789 there is a recommendation list for medical devices for each type of ambulance.



#### ***Ventilators***

- different types
- high quality



#### ***Defibrillators***

a lot of features and options available



#### ***Inside covering***

Inside covering in ambulances is made of vacuum-formed ABS-plastic plates:

- easy to clean (VERY IMPORTANT)
- no sharp edges
- not easily breakable in case of accidents

# 3. Cars and trucks used in civil protection

## 3.2 Special ambulances

In the case of a disaster beside ambulances according to the standard some other ambulances will be used. The type of special ambulances and other special cars depends on different circumstances: organization of disaster management, availability of ambulances, availability of trained people, area in which the disaster happened

- Off-road ambulances with standard equipment
- Off-road ambulances with special (mountain) stretcher



### 3.Cars and trucks used in civil protection

- Ambulances dedicated to transport 2 patients
- Ambulances for the transportation of 4 patients
- Ambulance trucks for the transport of 9 patients





## 3.Cars and trucks used in civil protection

### 3.3 Special cars for material transport



Truck with following equipment:

- 2 tents for 40 victims
- equipment for rescue
- equipment for triage
- equipment for first treatment



### 3.Cars and trucks used in civil protection

Transport of disaster equipment:

- with different cars
- with trailers

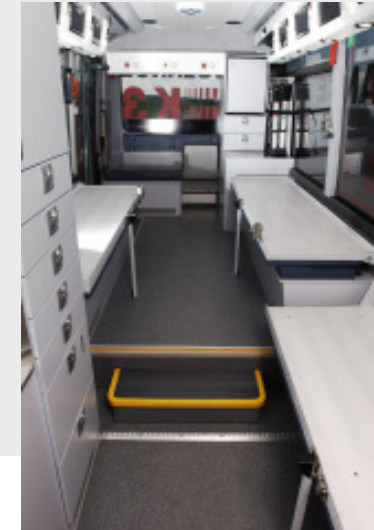


# 3.Cars and trucks used in civil protection

## 3.4 Special cars for patients

Depending on the disaster first treatment can be done in special cars :

- bus-type
- van-type



### 3.Cars and trucks used in civil protection

Mobile hospitals with different equipment on :

- container-basis



- truck-basis or busses



# 3.Cars and trucks used in civil protection

## 3.5 Special cars for communication

Different communication units to be used during disasters



Different size: trucks, containers, busses, vans



# 3.Cars and trucks used in civil protection

## 3.6 Other special cars

- Decontamination units



- Compressed air producing units



# 3.Cars and trucks used in civil protection

- Mobile kitchens



- Lighting units



# Thank you for your attention!

Arne Schauer

Contact:  
[www.dlouhy.at](http://www.dlouhy.at)  
[arne.schauer@dlouhy.at](mailto:arne.schauer@dlouhy.at)