



This training session is intended for a group of 8 participants maximum. Any person involved in driving off-road vehicles

### Prerequisites

- Valid driver's license, matching the type of vehicle and country concerned.
- International driver's license (if training is to be delivered outside the country of residence).
- Fluency in the language in which the training is provided.

### Objectives

- To ensure the participants are familiar with general road rules.
- To enable the participant to assimilate the basic rules of safe driving.
- To introduce the company's policies and standards related to driving.
- To be capable of anticipating potential road traffic accident situations.
- To understand the appropriate reactions in emergency situations
- To develop the aptitude to observe and to control the vehicle.
- To demonstrate low-risk driving techniques.

## Content

### Basic rules for defensive driving

Human and mechanical reaction times

Vision and driving

Notions of near/distant vision and binocular/peripheral vision Analysis and identification of the potential hazards of the road

Safe following distances Drivers' capacities

### Inspecting your vehicle before departure

Internal

External

Driving position

Brakes

Wheels and wheels rims

### Mechanical system survey of four-wheel drive vehicles

Transmission

Wheel hub

Constant speed

Transfer box

Limited slip differential

### Tire pressure Types

of wheel rims Tires

Deflating a tire

### Vehicle breakdown and associated equipment

Towing points

Towing techniques

Breakdown equipment

Safety equipment

A 40-minute multiple choice exam will be administered at the end of the theoretical session to provide each participant with an overall assessment of his/her attainment level and a review of individual strengths and weaknesses on the topics covered during the course.

## Specific off-road driving topics

### A. Driving on mud:

Procedure for using chains

- Inspection
- Installation/Removal
- Movement

### B. Driving on sand:

Four-wheel drive transmission

- Transmission
- Transfer box
- Disengageable hub
- Limited slip differentials
- Vehicle breakdown recovery
- Center of gravity
- Dunes and slippery surfaces

### C. Driving on snow:

Winter conditions

- Ice and frost
- Fog
- Extreme cold

Driving on ice and snow

- Vehicle Preparation
- Principles of adhesion
- Skid control
- Emergency braking technique

Procedure for using chains

- Inspection
- Installation/Removal
- Movement

## Practical driving

- Tire pressure and inflation exercises
- Adherence

## Commentary driving

During the course of the commentary driving session the participant is assessed by the Trainer on the basis of the theoretical framework above mentioned. The commentary driving session is filmed and may be debriefed afterwards.

Each participant will be evaluated on topics such as:

- Is the driver using his eyes effectively?
- Does the driver recognize hazardous situations in time?
- Does he/she comply with traffic laws and apply the safe driving techniques?
- What training or retraining is advisable?