

Training Guidelines

Safety Marshals



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The terms for officials or officials' candidates used in the present text automatically include female and male persons.

1. General

- (1) Pursuant to its Statutes, the Deutscher Motor Sport Bund (DMSB) exercises the sporting authority for motorsport in the Federal Republic of Germany. The requirements, duties and authorities resulting hereof are regulated in the International Sporting Code (ISC) of the Fédération Internationale de l'Automobile (FIA) for automobile sports, in karting moreover in the International Karting Regulations of the Commission Internationale de Karting (CIK) and in motorcycle sports moreover in the International Sporting Code of the Fédération Internationale de Motocyclisme (FIM) and the FIM Europe.
- (2) § 2 of the DMSB Statutes specifies that the DMSB is responsible for the control of motorsport in accordance with standardized regulations. In exercising its statutory duties, the DMSB is amongst others responsible for the education and training of officials and for the administration of issuing licences in accordance with the licence regulations. The DMSB has delegated the implementation hereof to the DMSB Academy.
- (3) Officials in supervisory capacity (e.g. Stewards) and officials in executive capacity (e.g. Clerk of the Course, Chief Safety Officer) shall be appointed for motorsport events and they shall be responsible for the organisation of a motorsport event. The duty of safety marshals and sector chiefs is to monitor and provide security for the race track.

2. Requirements

The comprehensive and significant duties, authorities and responsibilities of officials imply that, as an entry requirement, they have experience in motorsport and that they take regularly part in refresher and training courses.

The safety marshals must moreover be fit to cope with the physical requirements involved in their activities as member of the safety marshals' teams.

3. Education Levels

The education of safety marshals is based on the following levels:

- Safety marshal
- Sector chief

4. Admission

4.1 General admission requirements

The general admission requirements are defined in the Education and Examination Regulations of the DMSB (DMSB-APO).

4.2 Specific admission requirements

The specific admission requirements for the corresponding officials' role are summarized in the following table. Any exemption hereof for important reason is possible but subject to a case-by-case decision taken by the DMSB Academy with the assistance of the Academy Board.

		Age ¹	Participations as candidate	Waivers
Safety marshal	Marshal	17 ²		Holder of a valid licence "Clerk of the Course Circuits", "Chief Safety Officer Circuits", "Clerk of the Course Rally" or "Chief Safety Officer Rally" may acquire a licence as safety marshal or sector chief upon application without participation in a training course with examination
	Sector chief	20	At least 24 months holder of a licence "safety marshal" and , during the last 24 months before the examination, participation in at least 8 motorsport events with licence "safety marshal" and at least 3 participations as sector chief candidate	

¹ The age shall be calculated at the moment of the admission/examination.

² The licence will not be issued until the applicant has reached the age of 18 years.

(1) For officials on duty at events with vehicles with alternative drive, the following additional qualification which can be achieved within a training organizes by the DMSB Academy is required:*

Grade	Function	Conditions
Green <i>(instructed personnel)</i>	<i>DMSB Officials:</i> <ul style="list-style-type: none"> - Sector chief - Safety marshal <i>Other personnel:</i> <ul style="list-style-type: none"> - Chief of pit lane - Pit lane personnel - Recovery/rescue personnel 	
Yellow <i>(electrotechnically instructed personnel for non-electrotechnical work)</i>		
Orange <i>(electrotechnical work in zero-potential condition)</i>		<i>Automotive Service Mechanic, Automotive Electrician and Automotive Mechatronics Technician with education after 1973, Body Construction and Vehicle Manufacturing Mechanic with education after 2002 or equivalent professional qualification, e.g. study of vehicle technology</i>

** External certificates (TÜV, DEKRA, etc.) are accepted if complying with the German Statutory Accident Insurance Association (DGUV) requirements*

4.3 Verification of the admission requirements

- (1) The verification of the General Admission Requirements in compliance with the DMSB Education and Examination Regulations (DMSB-APO) and of the Specific Admission Requirements pursuant to the present Training Guidelines shall be conducted by the body in charge of the examination, with the participation of the Chairman of the examination board and the Academy Board. This refers also to the granting of possible waivers. The granting of a waiver where the minimum age requirements are not met will only be examined if the application is accompanied by a supporting document issued by the applying club with designation of a supervisor for the young applicant ("accompanying activity as official") who must moreover be of age. Before reaching the minimum age, he/she can only be appointed as a deputy.
- (2) Together with the registration for the examination and/or the application for the issue of a licence, the candidate must provide evidence on complying with the valid admission requirements in accordance with the above table.

The presence of the candidate throughout the entire event and the assumption of only one single role is a condition for his participation as a candidate to be accepted. The candidate shall moreover take part in the preparation of the event. Only one participation as a candidate per calendar day is accepted.

5. Educational Objectives

- (1) The educational objective is to prepare the candidate or the official for his subsequent role as DMSB official and to provide him with the necessary sporting know-how, with the knowledge in the coherence of matters in the sporting regulations as well as with the skills and the necessary empathy to interact with other officials and with active and passive motorsport people.
- (2) The official must have a general and a specialised knowledge of the provisions / laws / regulations specified in the appendices. Sources are as follows:
 - DMSB educational books for the training of safety marshals

6. Examination

- (1) The examination shall be conducted by the DMSB approved body conducting the training in compliance with the DMSB-APO. In cases where an examination is not required, the DMSB-APO applies accordingly.

7. Refresher Courses

- (1) Pursuant to the licence regulations, all DMSB officials' licence-holders are obliged to attend regular training courses in the discipline concerned at least every third year after the examination and/or the last participation in a training course. This is a requirement for the renewal of the licence.
- (2) The purpose of the regular training courses is to enhance the training content. The training courses shall furthermore inform of important updates and modifications in the sporting laws and the regulations and promote the exchange of experiences.

Appendix

The basis of the training is the DMSB educational books for the training of safety marshals and the present training guidelines. The marshals shall become familiar with the complete contents of the educational books. According to future requirements, a special focus may hereby be put on specific motorsport disciplines.

A.1 Safety Marshals

Educational contents – safety marshals:

1 Setup and organisation of track safety	approx. 60 min.
2 First aid and fire training	approx. 60 min.
3 Track monitoring and signals with focus on automobile sport events	approx. 60 min.
4 Track monitoring and signals with focus on motorcycle sport events	approx. 60 min.
5 Rescue and recovery procedures in case of racing incidents with focus on automobile and / or motorcycles	approx. 60 min.

Written entrance test **approx. 60 min.**

Oral part of the examination (if necessary) **approx. 15 min.**

TOTAL **360+15 min.**

Points 1 and 2 above shall be scheduled for all future safety marshals and with the recommended timeframes.

The focus and timeframes for points 3 to 5 may be variable, depending on the future activities of the safety marshals.

Educational contents – safety marshal:

Practical examples “Safety marshals at automobile events” and/or	approx. 60 min.
Practical examples „Safety marshals at motorcycle events”	approx. 60 min.
Rescue and recovery procedures in case of racing incidents including first aid and fire training	approx. 60 min.
Communication, track reporting, “yellow flag reports”	approx. 60 min.
Verification of the knowledge followed by comments	approx. 30 min. approx. 30 min.

A.2 Sector Chief

Educational contents – sector chief:

- | | |
|--|------------------|
| 1 Setup and organisation of track safety in accordance with the track safety log or track licence: order of materials, marshals post plan, settlement of costs for marshals etc. | approx. 60 min. |
| 2 Communication, reports, documentation of actions and events
- Communication with telephone and radio
- Accident reporting, yellow flag reports | approx. 60 min. |
| 3 System of a rescue chain in automobile events <u>and/or</u> | approx. 120 min. |
| 4 System of a rescue chain at motorcycle events | approx. 120 min. |

Written part of the examination

approx. 60 min.

Oral part of the examination (if necessary)

approx. 15 min.

TOTAL

360+15 min.

The focus and timeframes for points 3 and 4 may be variable, depending on the future activities of the safety marshals.

Educational contents – sector chief:

- | | |
|--|------------------------------------|
| Practical examples “Safety marshals at automobile events” and/or | approx. 60 min. |
| Practical examples „Safety marshals at motorcycle events” | approx. 60 min. |
| Rescue and recovery procedures in case of racing incidents including first aid and fire training | approx. 60 min. |
| Communication, track reporting, “yellow flag reports” | approx. 60 min. |
| Verification of the knowledge
followed by comments | approx. 30 min.
approx. 30 min. |

A.3 Additional Qualification “alternative drives”

Content of the instructions – HV grade green

Max. 90 minutes

- On-site instruction at the event
- Position of the warning lights and of the emergency stop on the corresponding vehicles
- Use of the protective equipment
- Identification of HV components

TOTAL

Max. 90 minutes

Content of the instructions – HV grade yellow

90-180 minutes

- Position of the warning lights and of the emergency stop on the corresponding vehicles
- Use of the protective equipment
- Instructions on the performance of the work without HV
- Identification and definition of HV components
- Basis knowledge in first aid procedures in case of electrical accidents
- Overview alternative drives
- Rough overview on operating principles
- Electrical dangers
- Safety
- Protective equipment
- Conduct after an accident
- Identification of the vehicles
- Identification of the operating status of the HV systems

Written part of the examination

30 minutes

Oral part of the examination (if necessary)

10 minutes

TOTAL

130-220 minutes

Content of the instructions – HV grade orange:

Theory:

360 minutes

- Position of the warning lights and of the emergency stop on the corresponding vehicles
- Use of the protective equipment
- Identification and definition of HV components
- Basis knowledge in first aid procedures in case of electrical accidents
- Overview alternative drives
- Rough overview on operating principles

- *Electrical dangers*
- *Safety*
- *Protective equipment/ Means of rescue/ fire extinguishers*
- *Conduct after an accident*
- *Identification of the vehicles*
- *Identification of the operating status of the HV systems*
- *Authority to issue directives*
- *Training methods*
- *Issue of certifications*

Practical applications

180-360 minutes

- *Enabling of vehicles*
- *Advanced protective measures*
- *Release of enabled vehicles*
- *Evaluation of safety concepts*
- *Vehicle inspections*
- *Vehicle checks of undamaged and accident-damaged vehicles*

Written part of the examination

90 minutes

Oral part of the examination (if necessary)

10 minutes

TOTAL

280-460 minutes