



ADAC HEMS Academy – International Course Portfolio for Medical Crews

- » HEMS Introduction Course for Medical Crews
- » Aeronautical Crew Resource Management (ACRM) – Initial Course
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- » Pediatric Advanced Life Support (PALS®)
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HEMS Introduction Course for Medical Crews

- 4-day format for physicians, nurses, paramedics with EMS background
- Introduction into the specialties of aeromedical transport and inflight care, cross professional aspects with flight and ground operations and interaction with EMS / hospital structures in HEMS – the ambition is just an optimum of flight and patient safety!
- Mixture of teaching methods with focus on case based / problem oriented learning and patient simulation training under realistic conditions

Aeronautical Crew Resource Management (ACRM) – Initial Course

- 3-day format for flight crew and medical crew members; mixture of professions recommended
- Facilitation of non-technical skill – considering the tremendous impact of human factors on HEMS operations
- According to JAR-OPS / EU-OPS; mixture of teaching methods with focus on highly interactive teamwork practices and case based learning

Aeronautical Crew Resource Management (ACRM) – Refresher Course

- 1-day format for experienced flight crew and medical crew members; mixture of professions required
- Further professionalization of non-technical skill with focus on safety culture in high-reliability organizations
- According to JAR-OPS / EU-OPS; mixture of teaching methods with focus on highly interactive teamwork practices and analysis of cases experienced (from participants or from a reporting system)

HICAMS Course

- 3-day format for medical crew members, preferably with HEMS experience
- Introduction into helicopter intensive care medical service (HICAMS) with focus on all relevant organ failures / critical care aspects including the challenges of aeromedical transport of patients with infectious diseases (i.e. Covid-19)
- Following recommendations of the *German Interdisciplinary Association for Intensive Care and Emergency Medicine* (DIVI); mixture from lectures, problem oriented learning, skill training and patient simulation training under realistic conditions



HEMS Trauma Course

- 2-day format for experienced physicians, nurses, paramedics involved in prehospital trauma care
- Facilitation of all relevant skills and strategies for the extended prehospital trauma care focusing typical HEMS mission profiles and transport conditions
- Mixture of teaching methods with focus on problem oriented learning, extended skill trainings and patient simulation training

Advanced Cardiovascular Life Support (ACLS®)

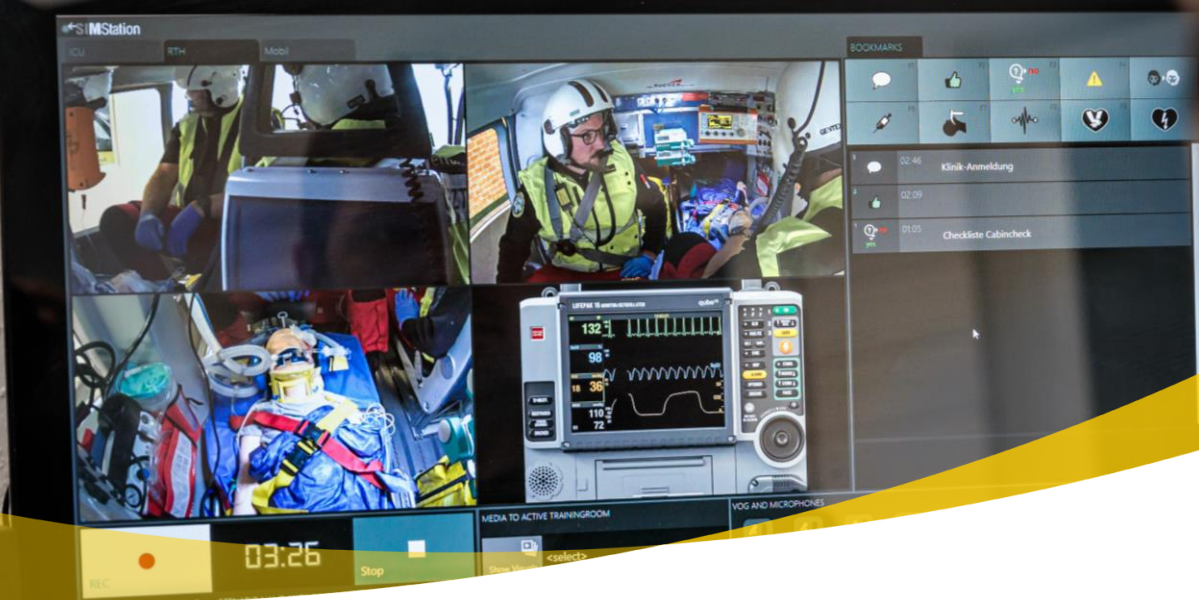
- International accredited 2-day format for physicians, nurses, paramedics and other EMS personnel
- Team training for the management of cardiac arrests and cardiovascular emergencies
- Licensed by the *American Heart Association*, international standard; mixture of lectures, skill trainings and basic patient simulation

Pediatric Advanced Life Support (PALS®)

- International accredited 2-day format for physicians, nurses, paramedics and other EMS personnel
- Team training for the management of critical ill or injured pediatric patients
- Licensed by the *American Heart Association*, international standard; mixture of lectures, skill trainings and basic patient simulation

Emergency Medical Care in Hostile Environment – Special Course

- 3-day high-end format for experienced medical crew members
- Facilitation of competences to cover the combined demands of hostile environment conditions, technical rescue interventions and situation adapted acute care strategies.
- mixture of lectures, medical and technical skill trainings and extended patient simulation training under realistic conditions; predominantly outdoor training with physical challenges



HEMS Technical Crew Member – Initial Course

- 4- to 8-day format for medical crew members, who are required to assist the flight crew / the pilot as technical crew members in HEMS
- Introduction into functions / tasks required according to operator's operation manual (OM), i.e. navigation, radio communication, emergency procedures, handling of medical interior and equipment; optional Dangerous Goods Course according to IATA requirements and additional technical training
- According to JAR-OPS / EU-OPS, obligatory adaption to customer's standards; mixture of lectures, skill trainings, and teamwork practices; with exam

HEMS Technical Crew Member – Refresher Course

- 1-day format for medical crew members, who assist the flight crew / the pilot as technical crew member
- Recurrent training regarding specific obligations as technical crew members
- According to JAR-OPS / EU-OPS, obligatory input from customer's operational experiences and innovations; mixture of lectures and skill trainings

Course specification

Experiences from international training activities make it evident, that course formats benefit from a specification / adaption according to pre-course trainee experience and HEMS crew composition, regional healthcare system and mission profile. We strongly recommend a customer need analysis by our experts before setting up a training program to make qualifications as cost-effective as possible.

Course location

Courses normally are conducted at our training site in Sankt Augustin (except "*Emergency Medical Care in Hostile Environment – Special Course*"); in-house courses are possible with minor restrictions.

Course language / translation requirements

Course language is English; sufficient English knowledge is crucial especially for all interactive parts / simulation trainings. If translation by an interpreter is required course length doubles in all formats and leads to some limitations.