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## Certificate for the medical use of the SAMARITAN<sup>®</sup> Public Access Defibrillator

EURAMI was asked to investigate the following questions:

1. Is the SAMARITAN<sup>®</sup> Public Access Defibrillator a standard device for life saving?
2. Is the SAMARITAN<sup>®</sup> Public Access Defibrillator a medical device with state of the art operation in case of a cardiac emergency?
3. Will the training be provided according to the required regulations and a trained person be competent enough to handle the device in case of an emergency?
4. Is the hospital, where the trainings are planned, an approved treatment centre of the UAE government?

After thorough investigation of the medical scientific literature, we found one out of several paper to best summarize the ability of the SAMARITAN<sup>®</sup> Public Access Defibrillator as comparable to other standard public defibrillators, which are all life saving medical devices:

Efficacy of Distinct Energy Delivery Protocols Comparing Two Biphasic Defibrillators for Cardiac Arrest, Simon J. Walsh et al., Am J Cardiol 2004;94:378–380

The SAMARITAN<sup>®</sup> Public Access Defibrillator was tested and the algorithm used by the device compared to the international guidelines for resuscitation.

We found medically effective energy levels and state of the art waveforms for defibrillation in case of ventricular fibrillation or pulsless ventricular tachycardia. Several documented successful defibrillations not only in Europe with the SAMARITAN<sup>®</sup> Public Access Defibrillator are further proof of the effectiveness of the device.

The new worldwide approved resuscitation guidelines 2005 are fully followed by the device. Therefore the use of the device for its purpose as a life saving device by trained laymen or professionals is in line with today medical standards and has no legal implication when used as advised.



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Concerning the training for the SAMARITAN<sup>®</sup> Public Access Defibrillator, the official CPR courses by the American Heart Association ([www.americanheart.org](http://www.americanheart.org)) will be used. In particular, the "Heartsaver AED" course would best fit the needs of the laymen and the BLS (basic life support) course the need of the professionals.

These training courses are worldwide standardized and their major aim is to enable a person to use the defibrillator for life saving with highest competency according to safety procedures and state of the art of medicine.

In 2006 the courses will first be initiated by the German certified ITO (international training organisation), med con team under the supervision of the Steinbeis scientific center (<http://www.steinbeis.de/K060/60000/frei/d/60000-d.htm>) at the university hospital Frankfurt, Germany. From 2007, the Saudi German Hospital Group ([www.sghgroup.com](http://www.sghgroup.com)), who have already started to build a large hospital in Dubai, including the emergency treatment of heart diseases, will take over the responsibility of the training. Furthermore it is planned to involve other suitable private or public institutions.

In conclusion, it is confirmed that the SAMARITAN<sup>®</sup> Public Access Defibrillator is a life saving device and operates under state of the art good medical practice. The training will be held by a certified training organisation of the American Heart Association and in 2007 will be provided by the Dubai hospital of the Saudi German Hospital Group according to international standards.

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Emergency physician and president of EURAMI