

## European Society of Cardiology Glossary of Terms in Cardiology

(Should this document be published in the Eur Heart J and/ or only on the web)

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### **FOREWORD**

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The European Society of Cardiology (ESC) Board feel it is necessary to structure all the activities gravitating around the specialist physician, their training, their education and the assessment of the latter. Their first request is to use the same language, hence the request for a Glossary of Terms for individual certification / training and other related terms. For the purposes and in the context of educational efforts by the ESC, a Task Force was created to select, prepare and propose definitions for the terms commonly used in practice and in documents related with training and accreditation

### **GLOSSARY TASK FORCE**

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Task Force members were identified, by the ESC Education Committee Chairman, Otto Smiseth and the ESC Board, for their lasting and enlightening contributions in the fields of lifelong learning, education and training.

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The Task Force have worked at distance and met three times on web and phone meetings.

## EXISTING ELEMENTS

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The following documents have been used as basis for the Task Force work. The documents are listed in the references at the end of the present document.

- ❖ 2004 - The Rome Group, a think tank that has been created in 2004, by individuals who are very intensively involved in the Continuous Medical Education - (CME-CPD) arena on both sides of the Atlantic. The Rome Group started preparing a Glossary of Terms for CME and CPD.
- ❖ 2007 – Recommendations for sub-specialty accreditation in cardiology (including a glossary)
- 2009 –Publication of the Rome Group Glossary of Terms
- ❖ 2010 - UEMS CESMA are launching the preparation of a Glossary of Terms for individual certification.

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Some Groups have worked on a glossary of terms within their curricula.

## GLOSSARY OF TERMS - PROPOSAL

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On the basis of the various elements and terms found in the above listed documents, the Task Force have produced the following list of terms for the ESC Glossary of Terms in Cardiology:

1. **360 / MULTI-RATER FEEDBACK (ALSO KNOWN AS MULTI SOURCE FEEDBACK APPRAISAL):** A method, primarily to assist with appraisal, for assessing the professionalism of an individual by their peers, others in the multi-disciplinary team and, with appropriate modification, by patients. Each assessor grades a number of characteristics (that might include, for example: leadership, probity, relationships with team members, teaching, empathy, etc) on a numerical scale. The results are collated by the appraiser to inform the discussion on the appraisee's strengths and weaknesses.
2. **ACCREDITATION - RE-ACCREDITATION:** Affirmation that a provider has met quality, educational and other criteria set out by the accrediting authority. Applies to providers of education and clinical services e.g. echocardiography laboratories
3. **ATTITUDE /BEHAVIOUR:** The way in which an individual acts or conducts himself towards others (patients, physicians, nurses and paramedical personnel) while practicing his profession
4. **AREA OF CLINICAL EXCELLENCE:** An area of cardiology practice identified as requiring specific clinical expertise of physicians, nurses, and technicians (not necessarily but not excluding cardiologists) but not recognised as a sub-specialty.
5. **ASSESSMENT - FORMATIVE / SUMMATIVE ASSESSMENT:** Measurement of the performance of an individual against pre-determined standards. Formative assessment is used to provide feedback to the trainee about their progress and is aimed at providing insight into their strengths and weaknesses with the objective of improvement. Summative assessment is the process of evaluating the knowledge and skills of the trainee prior to their moving into the next phase of, or completing, their training. Examinations are summative forms of assessment.
6. **CERTIFICATE:** A document recognising and stating a completion of activity or training or course attendance whose meaning requires and depends on further description. A document that affirms satisfactory completion of an educational or training programme that is generally more limited in scope, and shorter in duration, than a degree programme.

7. **CERTIFICATION - RE-CERTIFICATION:** Normally a voluntary process instituted by a nongovernmental agency through which individuals are recognized for advanced knowledge or skill. The granting of certification is the result of a structured and systematic postgraduate educational and training experience that is generally smaller in magnitude and shorter in time than a degree program or subspecialty training and imparts knowledge, skills, attitudes, and performance behaviours designed to meet specific practice objectives. Examples include EAE Echocardiography and EHRA Electrophysiology Certification normally requires assessment, including testing, and an evaluation of education and experience.[1]
8. **CERTIFIED CARDIOLOGIST:** Term currently used for a cardiologist with a national qualification. For sub-specialty certification is used to describe additional training and experience.
9. **CURRICULUM:** A statement of the aims and objectives, content, experiences, outcomes and processes of a training or educational programme. It includes a description of the structure and methods of learning, teaching, feedback, supervision and assessment. The curriculum sets out what knowledge, skills, attitudes and behaviours the trainee must acquire in order to complete the programme satisfactorily.
10. **DIPLOMA:** A diploma is a certificate (while not every certificate is a diploma) affirming successful training in a skill or acquisition of a body of knowledge, usually authorising the diplomat to practice some complex art or skill.
11. **EBAC:** The European Board for Accreditation in Cardiology accredits international Continuing Medical Education (CME) activities (Events, CD ROM, Web CME, CME articles) in cardiology in Europe.
12. **EXAMINATION:** A summative assessment, that may be written or oral, of knowledge and, or skills.
13. **FORMATIVE ASSESSMENT - REFER TO ASSESSMENT**
14. **INSPECTION:** A formal evaluation, based on pre-determined criteria, of a service. It may lead to accreditation of a clinical department or training programme
15. **LICENSING: PROCESS OF** authorisation to undertake professional practice granted by a regulatory authority. Most commonly applied generically to practice as a doctor (or nurse or physiotherapist, etc), but in certain jurisdictions as authorisation to act as a specialist.
16. **LOGBOOK:** A record of activity typically used as part of the documentation of training
17. **MCQ (MULTIPLE CHOICE QUESTION):** A form of assessment in which respondents students are asked to answer a question by selecting the correct or best possible answer (or answers) from a list of options.
18. **NATIONAL ACCREDITATION AUTHORITY:** The organization in an individual country responsible, and therefore authorised, to approve or accredit CME/CPD activities taking place within that country.
19. **NATIONAL AUTHORITY:** These are context-specific and different by countries. Note that in some countries, there is no real national authority; for example, the Ärztekammern in Germany are essentially state-based (e.g., Bayerische Landesärztekammer).
20. **NATIONAL CARDIAC SOCIETY:** One of the Constituent Bodies of the European Society of Cardiology: a professional society that represents the interests of the profession of cardiology at a national level.
21. **PROFESSIONALISM.** Practice of a specified activity according to predefined competence and skill

22. **PSYCHOMETRIC ANALYSIS:** The branch of psychology that deals with the design, administration, and interpretation of quantitative tests for the measurement of psychological variables such as intelligence, aptitude, and personality traits
23. **RE-ACCREDITATION - REFER TO ACCREDITATION**
24. **REGULATORY BODY** Authority with the capacity to establish rules and regulations for accreditation and practice of medicine and medical specialties
25. **REVALIDATION:** The process, carried out by a regulatory authority, that allows (licences) a doctor to continue to practice for a defined period. Revalidation may apply generically - to practice medicine - or to a specialty or subspecialty.
26. **SPECIALTY:** medical specialty
27. **SUB- SPECIALTY:** A sub-specialty in cardiology is a field of knowledge, skills, and procedures in a specific area of the specialty of cardiology that (i) goes beyond the basic requirements of general cardiology; (ii) is proposed by the experts in the field (e.g. working groups or associations) to the EBSC and must be approved by the EBSC. EBSC itself informs the ESC and UEMS-CS of the decision. In case of conflict, an appeal can be forwarded to both the ESC and the UEMS-CS; (iii) follows the general cardiology specialty training and requires specific additional knowledge and training. (*Recommendations for sub-specialty accreditation – JL Lopez-Sendon*)
28. **SUMMATIVE ASSESSMENT - REFER TO ASSESSMENT**
29. **SYLLABUS:** A listing of subject matter to be covered in a training programme.
30. **TRAINEE:** A doctor who has completed their general professional training as a physician and is in an accredited training programme to become a specialist in cardiovascular medicine. Variably known in different countries as an intern, fellow or registrar.
31. **TRAINER:** An individual responsible for training.
32. **TRAINING CENTRE:** An institution recognised by a national training authority as eligible to provide complete or partial training. It should offer the opportunity for interaction with other major specialties,, provide the necessary infrastructure for training and, alone or in combination with other institutions participating in the programme, should have the necessary facilities to ensure that trainees can fulfil all aspects of the curriculum.
33. **UEMS: UNION EUROPEENNE des Medecins Specialistes (UEMS)** represents national associations of medical specialists in the European Union and associated countries. With a membership of 35 countries and operating through 37 Specialists Sections and European Boards, the UEMS are active in promoting the free movement of European medical specialists while ensuring the highest quality of medical care for European citizens.
34. **UEMS-CS:** UEMS – Cardiology Section.

## REFERENCES

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1. Rome Group Glossary on CPD / CME (2008) complete reference
2. Lopez-Sendon JL, Mills P, Weber H, Di Mario C, Filipatos G, Heras M, Fox K, Merino J, Pennell D, Sochor H, Ortoli J, Recommendations on sub-specialty accreditation in cardiology - The coordination task force on sub-specialty accreditation of the European Board for the Specialty of Cardiology. **Eur Heart J** 2007;28:2163-2171
3. Block P, Bayes de Luna A, Breithardt G, Cherchi A, Danieles O, Kappenberger L, Letouzey JP, Petch MC, Rehnqvist N, Roedevand O, Widimsky J. Executive Committee of the European Board for the Specialty of Cardiology. Recommendations of the European Board for the Specialty of Cardiology (EBSC) for education and training in basic cardiology in Europe. *Eur Heart J* 1996; 17: 996–1000.
4. Kearney P, Tay Ergene A, Escaned J, Flachskmpf F, Griebenow R, Kristesen S, Mills P, Parkhomenko A, Vahanian A, Weber H. Education Committee of the European Society of Cardiology. Core curriculum for the general cardiologist. Nice, France: European Society of Cardiology; 2008. p1–41
5. Wragg A, Wade W, Fuller G, Cowan G, Mills P. Assessing the performance of specialist registrars. *Clin Med* 2003; 3: 131–134.
6. Whitehouse A, Walzman M, Wall D. Pilot study of 3608 assessment of personal skills to inform record of in-training assessments for senior house officers. *Hosp Med* 2002; 63: 172–175.
7. Merino JL, Arribas F, Luca Botto G, Huikuri H, Kraemer LI, Linde C, Morgan JM, Schlij M, Simantirakis E, Wolpert K, on behalf of the 2005–2007 Accreditation Committee of the European Heart Rhythm Association. Core curriculum for the heart rhythm specialist. *Europace* 2009; (suppl) iii: 1-26