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Reliability, Availability, and Maintainability - SEBoK Reliability growth models allow estimation of resources (particularly testing time) necessary before a system will mature to meet those goals (Meeker and Escobar 1998).

Maintainability models describe the time necessary to return a failed repairable system to service. They are usually the sum of a set of models describing different aspects of the maintenance process (e.g., diagnosis, repair, inspection, reporting, and evacuation).

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Maintainability: A Key to Effective Serviceability and Maintenance Management. Wiley. ISBN 978-0-471-59132-0. Ebeling, Charles E. (2019). An Introduction to Reliability and Maintainability Engineering (3rd ed.). Waveland Press. ISBN 978-1-4786-3933-6. Patton, Joseph D. (2005). Maintainability & Maintenance Management (4th ed.). Patton Consultants.

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13 • As Reliability Engineering is concerned with

analyzing failures and providing feedback to design and

production to prevent future failures, it is only natural that

a rigorous classification of failure types must be agreed

upon. • Reliability engineers usually speaks of

Maintainability - Wikipedia

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measurement science, in qualitative research and in

almost all fields of engineering. In measurement science it

means repeatability or consistency 1.

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engineering

The four courses consist of two core courses:

Introduction to Reliability Engineering

(CBE/IE/ME/MSE/NE 481) Introduction to Maintenance

Engineering (CBE/IE/ME/MSE/NE 484) And two elective

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