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ISO/IEC 9837

**Systems and software
engineering — Systems resilience
concepts**

*Ingénierie des systèmes et du logiciel — Concepts de résilience
des systèmes*

**First edition
2026-06**

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Published in Switzerland

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Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
3.1 Systems resilience fundamentals	1
3.2 Fundamental objectives	2
3.3 Means objectives	2
3.4 Resilience techniques	4
4 Key resilience concepts and their relationships	8
4.1 The system context for systems resilience	8
4.2 Understanding resilience	9
4.3 Aspects of resilience	9
4.4 Relation of resilience to other system qualities	10
5 A resilience framework	11
5.1 Overview	11
5.2 Fundamental objectives layer	11
5.3 Means objectives layer	11
5.4 Resilience techniques layer	12
6 Resilience considerations during systems engineering life cycle processes	13
Bibliography	16

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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 7, *Software and systems engineering*.

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As the complexity of systems continues to increase and the list of capabilities required of those systems continues to grow, systems are expected to deliver those capabilities under various conditions, including adverse ones. Resilience is the quality characteristic that enables systems to achieve this. Broadly speaking, systems resilience involves the capabilities of systems to avoid, withstand, and recover from adversity. Resilience goals are realized through application of techniques during processes related to requirements, architecture, design or operations of a system.

This document focuses on establishing systems resilience concepts that form the basis for understanding, building and enhancing the resilience of systems. It also provides a resilience framework that includes fundamental objectives, means objectives and techniques for achieving systems resilience. It is compatible with a system engineering approach and with system life cycle processes.

This document serves as a foundation for other documents related to various aspects of systems resilience.