

ISO/IEC/IEEE 21839:2019 (E)

Systems and software engineering — System of systems (SoS) considerations in life cycle stages of a system

Contents

	Foreword
1	Scope
1.1	Purpose
1.2	Field of application
1.3	Limitations
2	Normative references
3	Terms, definitions and abbreviated terms
3.1	Terms and definitions
3.2	Abbreviated terms
4	Concepts
4.1	System of systems
4.2	Constituent systems
4.3	System life cycle stages
4.4	SoS technical base
5	System of systems considerations in SoS life cycle stages
5.1	SoS considerations in the Concept Stage
5.1.1	General
5.1.2	Concept stage capability considerations
5.1.3	Concept Stage technical considerations
5.1.4	Concept Stage management considerations
5.2	Addressing SoS considerations in the development stage
5.2.1	General
5.2.2	Development stage capability considerations
5.2.3	Development stage technical considerations
5.2.4	Development stage management considerations
5.3	Addressing SoS considerations during the production stage
5.4	Addressing SoS considerations during utilization and support stages
5.4.1	General
5.4.2	Utilization and support stage capability considerations
5.4.3	Utilization and support stage technical considerations
5.4.4	Utilization and support stage management considerations
5.5	Addressing SoS considerations in retirement stage
Annex A	(informative) System of systems technical base
Annex B	(informative) Example SoS considerations in the life cycle stages of a constituent system
Annex C	(informative) Relationship to other standards