This is the official SEBoK Glossary of Terms. The SEBoK Author Team has striven to identify one or two definitions which reflect the current thinking on these terms in the systems engineering community.

Below, please find an alphabetical listing of all terms currently identified in the SEBoK.

View acronyms and abbreviations used in the SEBoK.

Pages in category "Glossary of Terms"

The following 400 pages are in this category, out of 400 total.

A
- absorption
- abstract model
- abstract syntax
- abstraction
- acceptance criteria
- acceptance sampling
- acquirer
- acquisition
- acquisition strategy
- adaptability
- adversity
- aggregate
- agile
- agility
- agreement
- analytical model
- antipattern
- architecting
- architecture
- architecture framework
- assembly procedure
- assembly tool
- assessment criterion
- assessment score
- attribute
- availability
B
- baseline
- behavior
- behavioral architecture
- binding
- black-box system
- body of knowledge
- boundary
- business
- business process
- business process outsourcing

C
- call center
- capability
- capability management
- capacity
- case study
- chaos
- closed system
- coercive
- cohesion
- competency
- complex
- complex adaptive system (cas)
- complexity
- complexity avoidance
- component
- computer simulation
- concept
- concept definition
- concept of operations (conops)
- concrete syntax
- concurrent
- concurrently
- configuration
- configuration management
- constraint
- control
- cost
- critical design review (cdr)
- critical systems thinking
- culture
- customer
- cyber-physical systems
- cybernetics
- cycle
D
- data center
- decision gate
- decision management
- defense in depth
- demonstration
- derived requirement
- descriptive model
- design
- design factor
- design life
- design property
- digital terrain model (dtm)
- digital twin
- disposal
- disruption
- diversity
- domain
- drift correction
- drift correction
- dualism

E
- e-services
- effectiveness
- element
- ellipsoid
- ellipsoidal height or geodetic height
- emergence
- emergent behavior
- emergent property
- enabling system
- encapsulation
- engineered system
- engineering
- engineering change management
- engineering change proposal (ecp)
- engineering coordinate reference system
- enterprise
- enterprise architecture
- enterprise system
- enterprise systems engineering (ese)
- entropy
- environment
- equity
- ethics
- evolutionary
- executable system model
- extended enterprise
failure
failure modes and effects criticality analysis
feature catalog
federation of systems (fos)
flexibility
form, fit, function, and interface (f3i)
framework
function
functional architecture
functional redundancy
general system theory
geodesic or geodesic line
geodesy
geduct coordinate system
geductic datum
geductic reference frame
graphic identifier
graphic imagery
graphic information
graphic information system
geoid
geopositioning
Glossary:Cognitive Bias
Glossary:Principle
governance
gravity-related height
green engineering
habitability
hard system
hardware-in-the-loop testing
healthcare
healthcare systems engineering
height
heuristic
hierarchy
high reliability organizations (hros)
holism
holistic
homeostasis
human factors
human in the loop
human survivability
human systems integration (hsi)

I

implementation
in-process validation
inclusion
increment
incremental
industrial engineering
information and communications technologies (ict)
information category
information need
information technology
infrastructure
input
input-output flow
installation
integrated product team (ipt)
integration
integrity
inter-node interaction
interface
internal coordinate reference system
internode interaction
interoperability
issue
iteration

K

knowledge

L

latent
leader
lean systems engineering (lse)
lean value stream mapping
legacy system
leverage
life cycle
life cycle cost (lcc)
life cycle management
life cycle model
life cycle process
localized capacity
location-based service (lbs)
logical architecture
logistics
- loose coupling

M
- maintainability
- maintenance
- manpower
- map
- map projection
- market analysis
- mean sea level
- measurable concept
- measure
- measure of effectiveness (moe)
- measure of performance (mop)
- measurement
- meta-model
- metric
- milestone
- mission
- mission analysis
- mission engineering
- model
- model management
- model transformation
- model validation
- model-based systems engineering (mbse)
- modeling language
- modeling tool
- modularity
- motion

N
- natural system
- network
- neutral state
- node
- non-functional requirements

O
- occupational health
- open system
- operational
- operational capability
- operational concept
- operational environment
- operational mode
- operational scenario
- operations research
- opportunity
- organization
- organizational
- organizational capability
- output

P
- paradigm
- pattern
- personnel
- physical architecture
- physical interface
- physical model
- physical redundancy
- plan
- pluralist
- portfolio
- portfolio management
- portrayal
- postmodernist
- praxis
- preliminary design review (pdr)
- principle
- problem
- process
- procurement
- product
- product system
- program
- program management
- project
- project management
- prototype
- proving
- purpose
- purposeful
- purposive

Q
- qualification
- quality

R
- rationale
- recovery
- recursion
• reductionism
• redundancy
• regularity
• reliability
• reparability
• requirement
• resilience
• restructuring
• reverse engineering
• rhumb line
• risk
• risk management
• robustness

S

• safety
• satellite positioning system
• scalability
• scenario
• scope
• security
• semantic interoperability
• semantics
• service
• service life extension (sle)
• service science
• service system
• service systems engineering
• service value chain
• set driver
• set modifiers
• set-based design
• simulation
• simulator
• six sigma
• social system
• sociotechnical system
• soft system
• soft systems methodology
• software
• software assurance
• software engineering
• software system
• software-in-the-loop testing
• solution
• spatial reference system
• spatial reference
• specialty engineering
• stage
• stakeholder
• stakeholder requirement
• state
• statistical process control
• structure
• supplier
• survivability
• sustainment
• synectics
• synergy
• synthesis
• system
• system analysis
• system assurance
• system boundary
• system breakdown structure
• system capability
• system context
• system coupling diagram
• system definition
• system deployment and use
• system element
• system hardware assurance
• system of systems (sos)
• system property
• system realization
• system requirement
• system-of-interest
• systemist
• systems approach
• systems biology
• systems concept
• systems development
• systems engineer
• systems engineering
• systems engineering management (sem)
• systems engineering plan (sep)
• systems integration
• systems science
• systems thinking

T
• tailoring
• team
• technical management
• technical performance measure (tpm)
• temporal architecture
• test cases
• threat
• tolerance
• total ownership cost
• traceability
• training
• transition of modes

U
• uncertainty
• unitary
• use case
• useful life
• user

V
• validation
• value
• variety
• vee (V) model
• verification
• verification and validation action
• verification and validation configuration
• verification and validation procedure
• verification and validation tool
• viable
• view
• viewpoint
• vignette

W
• white-box system
• wicked problem


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