

# System Realization (glossary)

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system realization

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*The activities required to build a system, integrate disparate system elements, and ensure that a system both meets the needs of stakeholders and aligns with the requirements identified in the system definition stage. (Created for SEBoK)*

## Source

This definition was developed for the SEBoK.

## Discussion

"System realization" is used in the SEBoK as a knowledge area (KA); it includes several systems engineering (SE) activities such as system implementation, integration, verification, and validation. (See System Realization KA.) This generally aligns with the "development" and "production" stages as discussed in the International Council on Systems Engineering (INCOSE) Systems Engineering Handbook (INCOSE 2012).

## Work Cited

INCOSE. 2012. Systems Engineering Handbook: A Guide for System Life Cycle Processes and Activities, version 3.2.2. San Diego, CA, USA: International Council on Systems Engineering (INCOSE), INCOSE-TP-2003-002-03.2.2.

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