

**functional configuration audit (FCA).** (1) audit conducted to verify that the development of a configuration item has been completed satisfactorily, that the item has achieved the performance and functional characteristics specified in the functional or allocated configuration identification, and that its operational and support documents are complete and satisfactory (*IEEE 828-2012 IEEE Standard for Configuration Management in Systems and Software Engineering, 2.1*)

(2) evaluation to ensure that the product meets baseline functional and performance capabilities (*INCOSE Systems Engineering Handbook, 5th ed.*) See also: configuration management, physical configuration audit

**FCA.** (1) functional configuration audit (*IEEE 2675-2021, IEEE Standard for DevOps: Building Reliable and Secure Systems Including Application Build, Package, and Deployment, 3.2*)

**physical configuration audit (PCA).** (1) audit conducted to verify that a configuration item, as built, conforms to the technical documentation that defines it (*IEEE 828-2012 IEEE Standard for Configuration Management in Systems and Software Engineering, 2.1*) (2) evaluation to ensure that the operational system or product conforms to the operational and configuration documentation (*INCOSE Systems Engineering Handbook, 5th ed.*) Note: For software, the purpose of the software physical configuration audit (PCA) is to ensure that the design and reference documentation is consistent with the as-built software product. See also: functional configuration audit

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