

Applying CMMI Principles to the Military Certification Process of Legacy Aircraft

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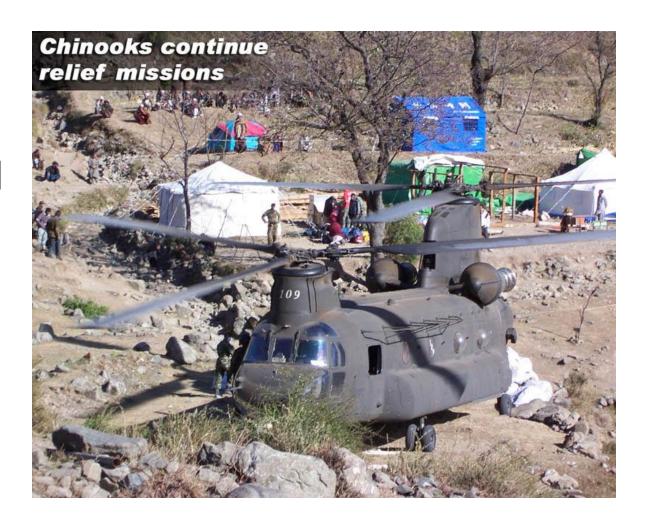


- First introduced in 1962
 - Deployed in Vietnam
- Multi-mission, heavy-lift transport
- 1,179 Chinooks Worldwide
- Service life projected beyond 2030
- Strong International Demand
 - Civil and military applications

erations



Ability to land on unprepared ground



erations



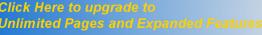


- Heavy Lift Capability
- Lifting capacity of 21,500-pounds

n Introduction



- A demonstrated capability of an aircraft to function satisfactorily within established limits
- Military Certification vs. Civil Certification
 - Militarily qualification requires demonstration of airworthiness to protect crew and passengers
 - Civilian certification concentrates on safety of everyone else



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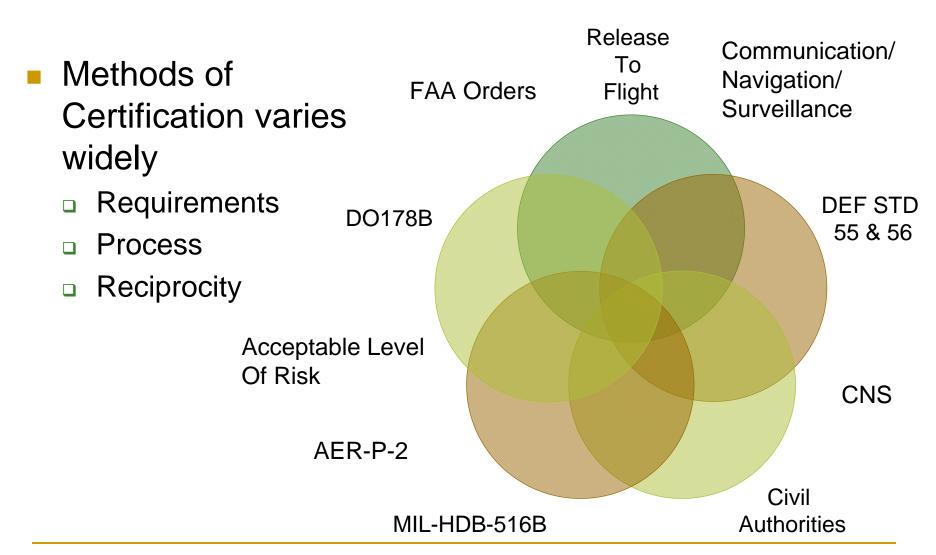


- Public Concerns for Safety
 - England grounded aircraft for 9 years
 - Spain grounded aircraft until sufficient evidence to release
 - Singapore request data 6 years after delivery
- Foreign Military Concerns

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ng Certification

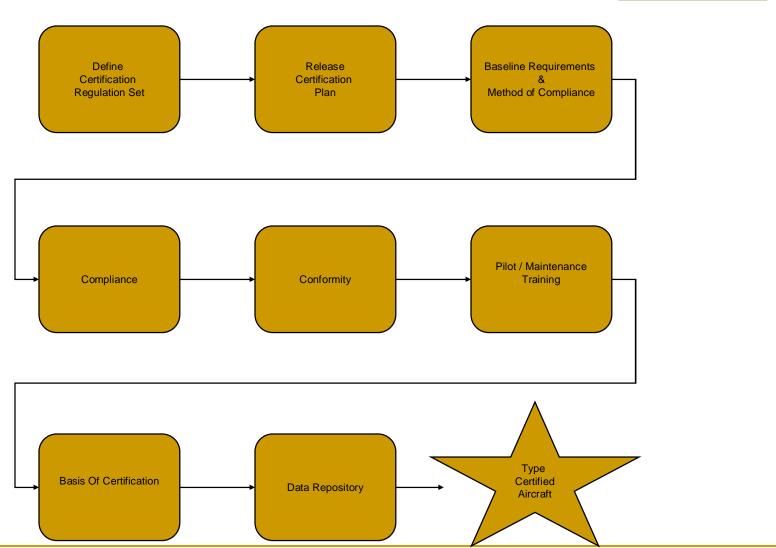






Certification







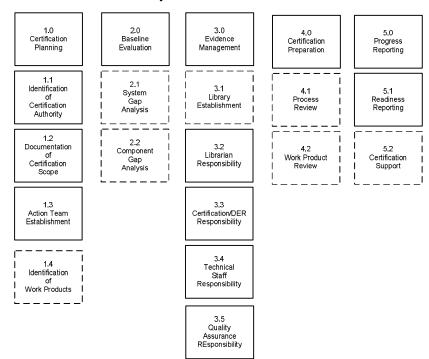
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Certificate



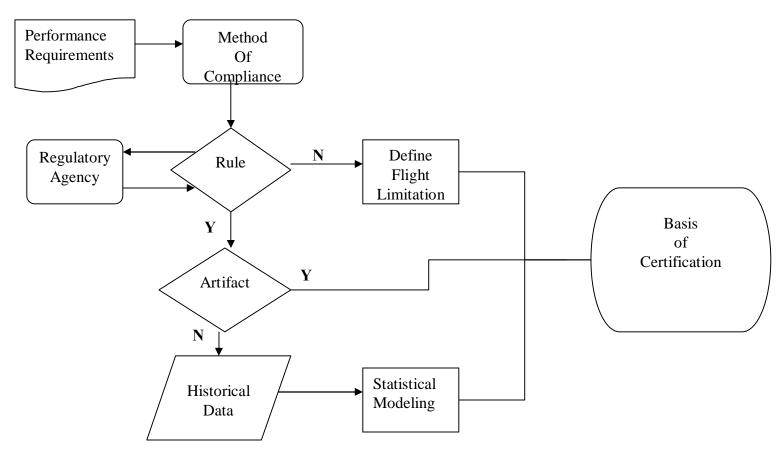
Project Certification Process





craft Certification

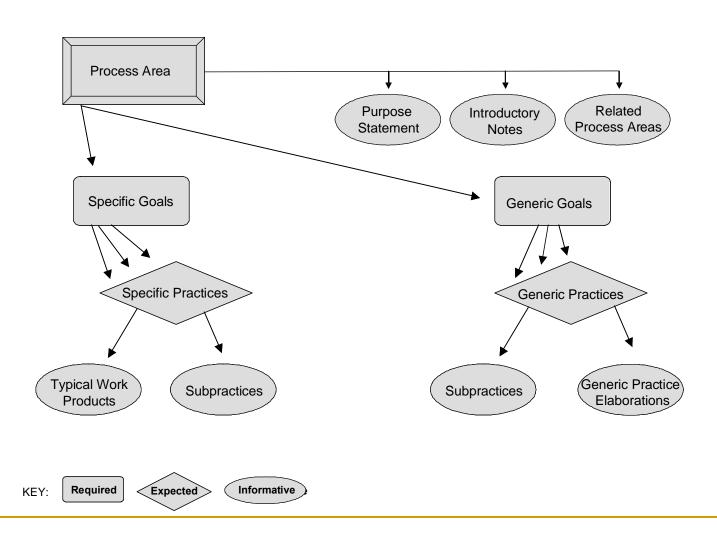




Iterative / Negotiated Process

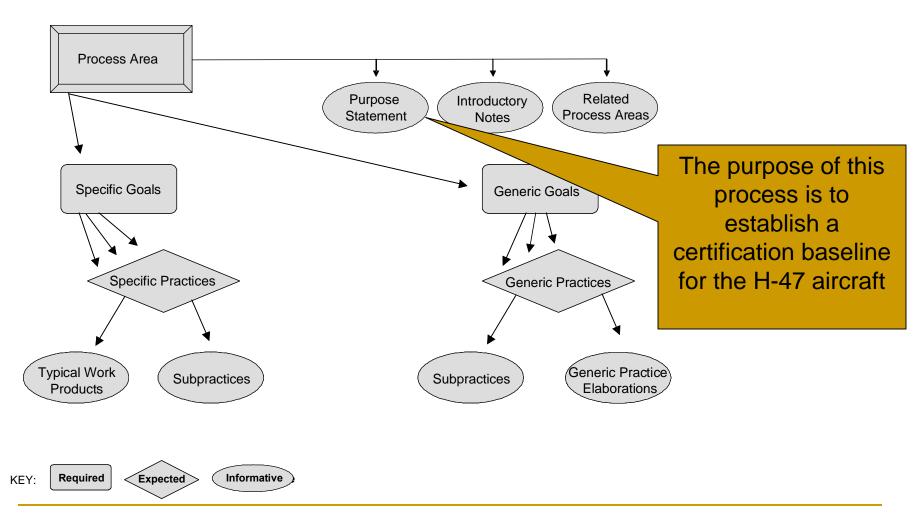
del Fundamentals





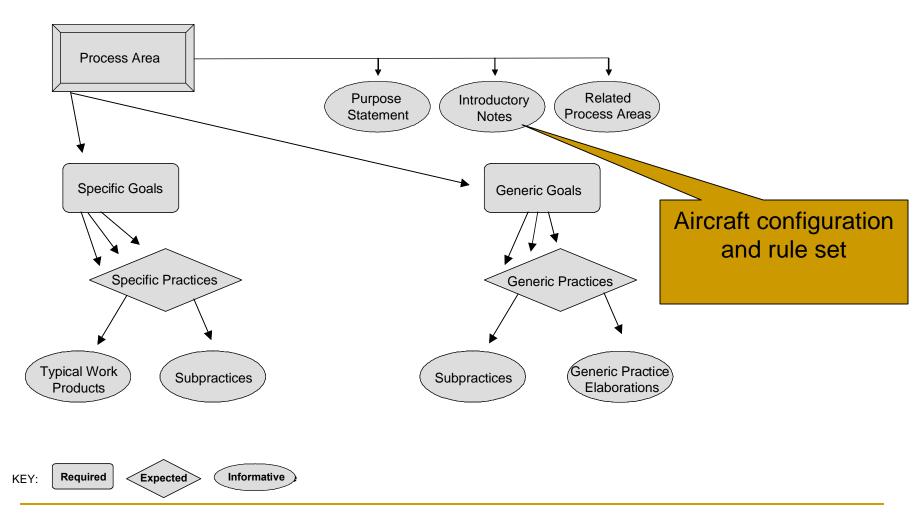
MMI Model to





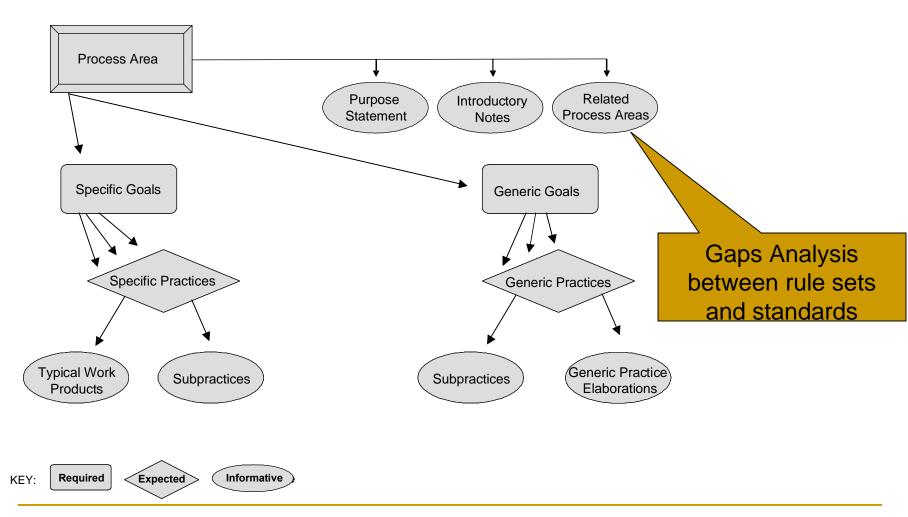
MMI Model to





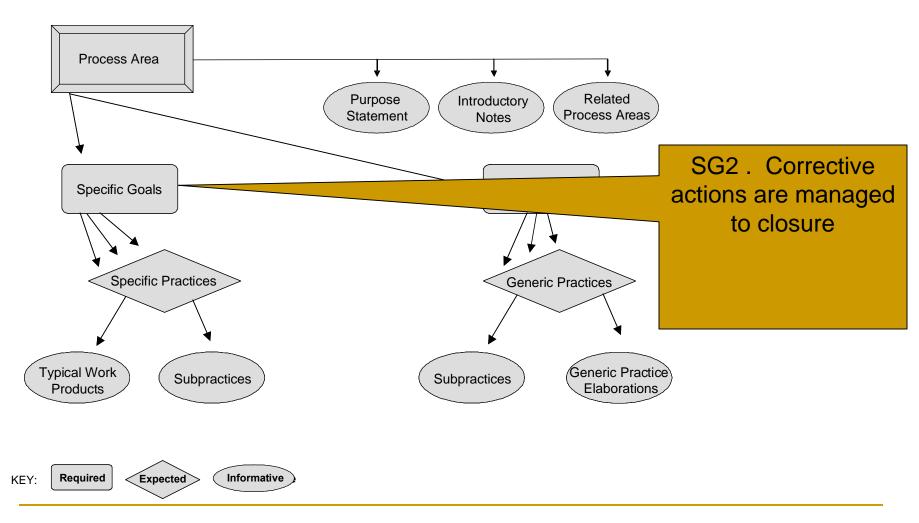
MMI Model to





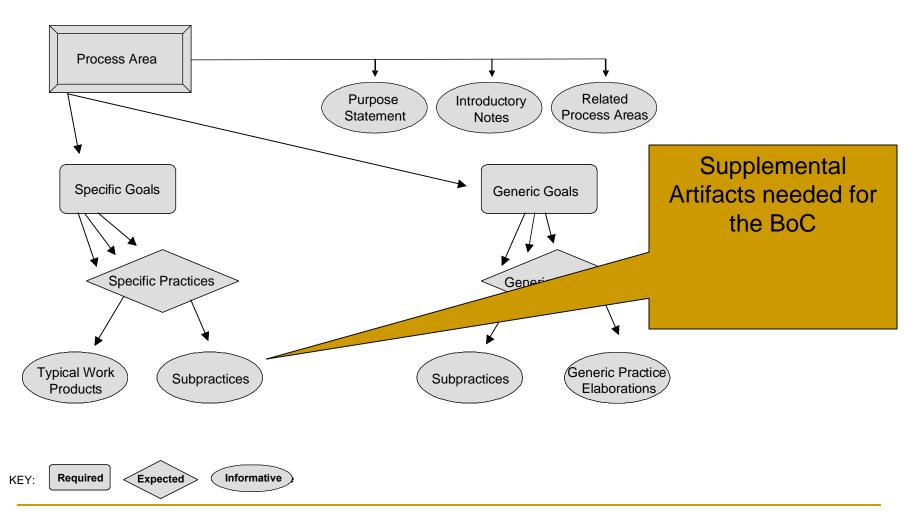
MMI Model to





MMI Model to





MMI Model to



