



Classification of Design Change

2017 Design Delegation Holders' Seminar

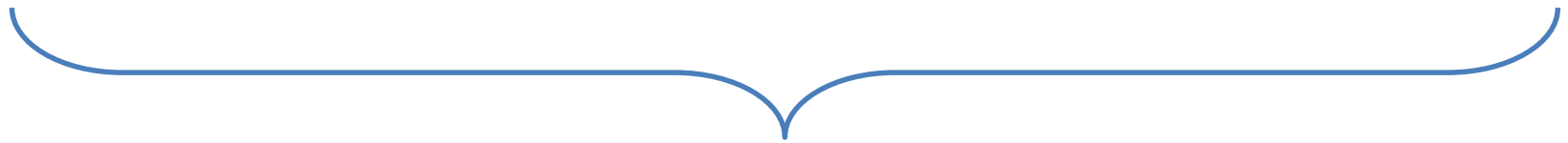
Pete Sutherland
Technical Programme Manager

10 May 2017

Proposed “Changed Product Rule”

- **CAR 21.118:** 21.101 already taken
- **Primary Intent:** Applicants for Major Design Changes to show compliance with the latest certification requirements unless a justifiable reason exists for not doing so.
- **Applicability:**
 - Major Design Changes but not Repairs
 - Work to be done in clarifying applicability (or not) to aircraft other than rotorcraft, <6000lbs or non-turbine rotorcraft <3000 lbs).

Design Change, Modification, Repair



?

Major / Minor (Not Major)

Review of Design Change/Modification

- a. Part 1 Definitions: Design Change, Modification, Repair, Major Modification, Major Repair
- b. Part 21
- c. ACs 21-2, -3, -4, -5, -6, -8
- d. Part 43
- e. ACs 43 -9, -14, -15
- f. Part 66 & AC suite
- g. Part 145 & AC suite
- h. AC146-1
- i. Delegations
- j. Schedule One
- k. CAA Form 337
- l. CAA Modification / Repair Process Poster

New AC21-X – Classification of Design Change

- Primary Intent Provide guidance on the application of the Changed Product Rule

- Including:
 - Classification of Design Changes
 - Meaning of key words:
 - Substantial
 - Significant
 - Not Significant
 - Design Change Approval Routes
 - TC, STC, and changes to these & F337

Type Certification Process

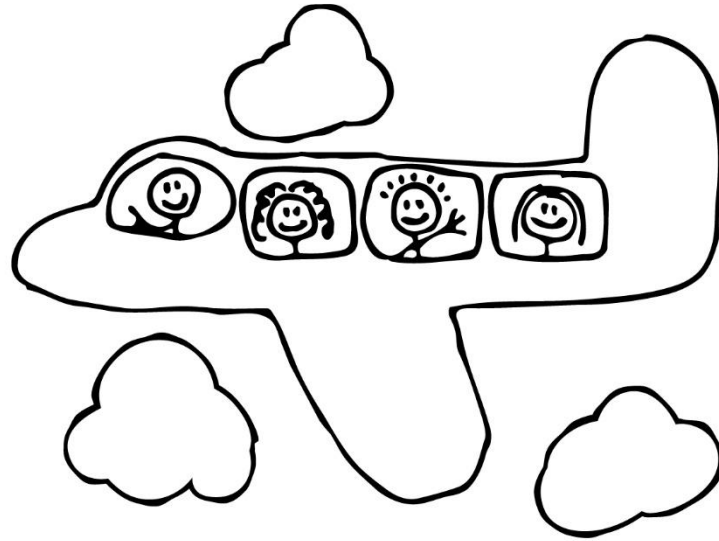
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Advisory Circular

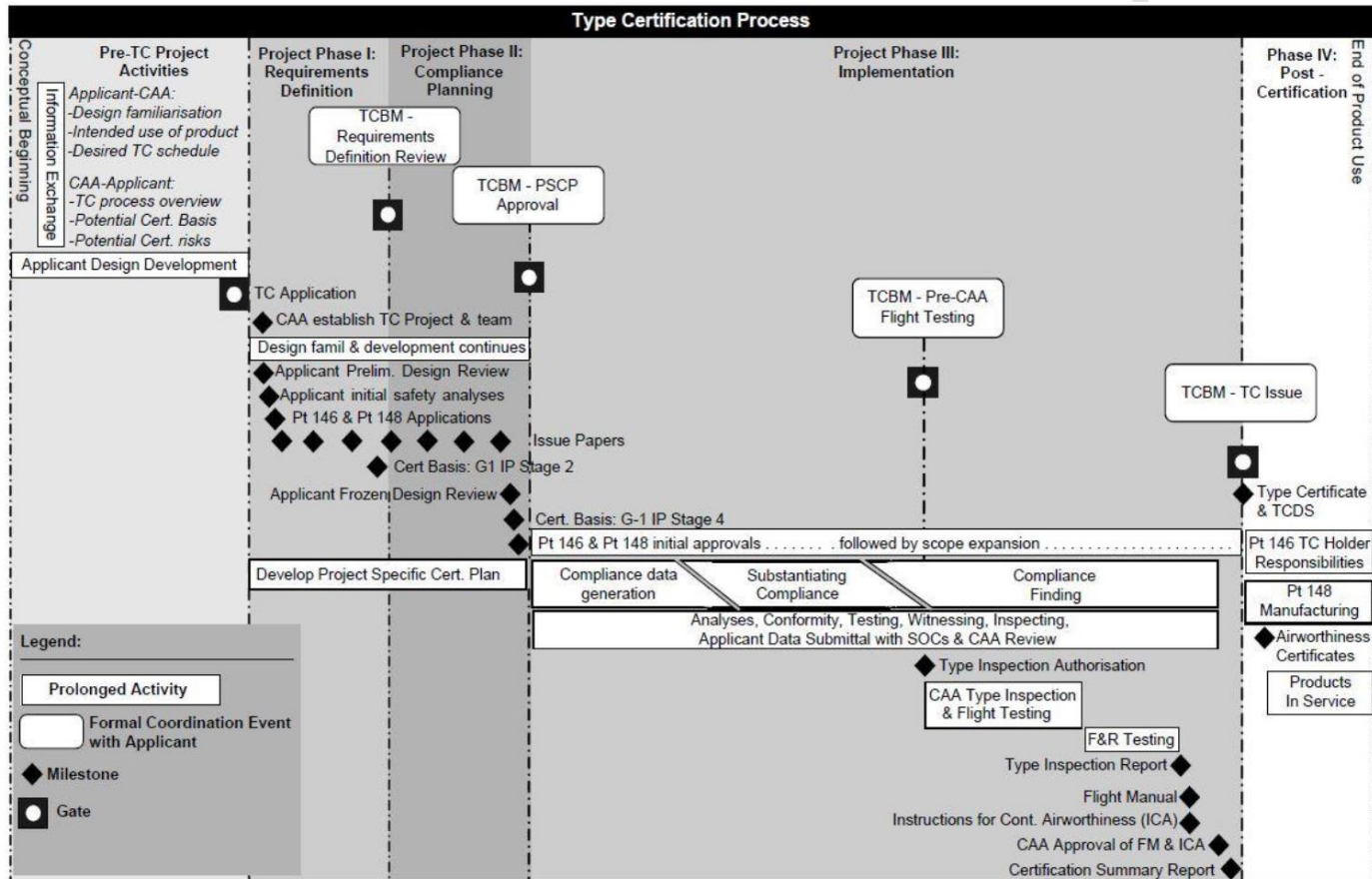
AC21-7

Product Certification—Type Certificates

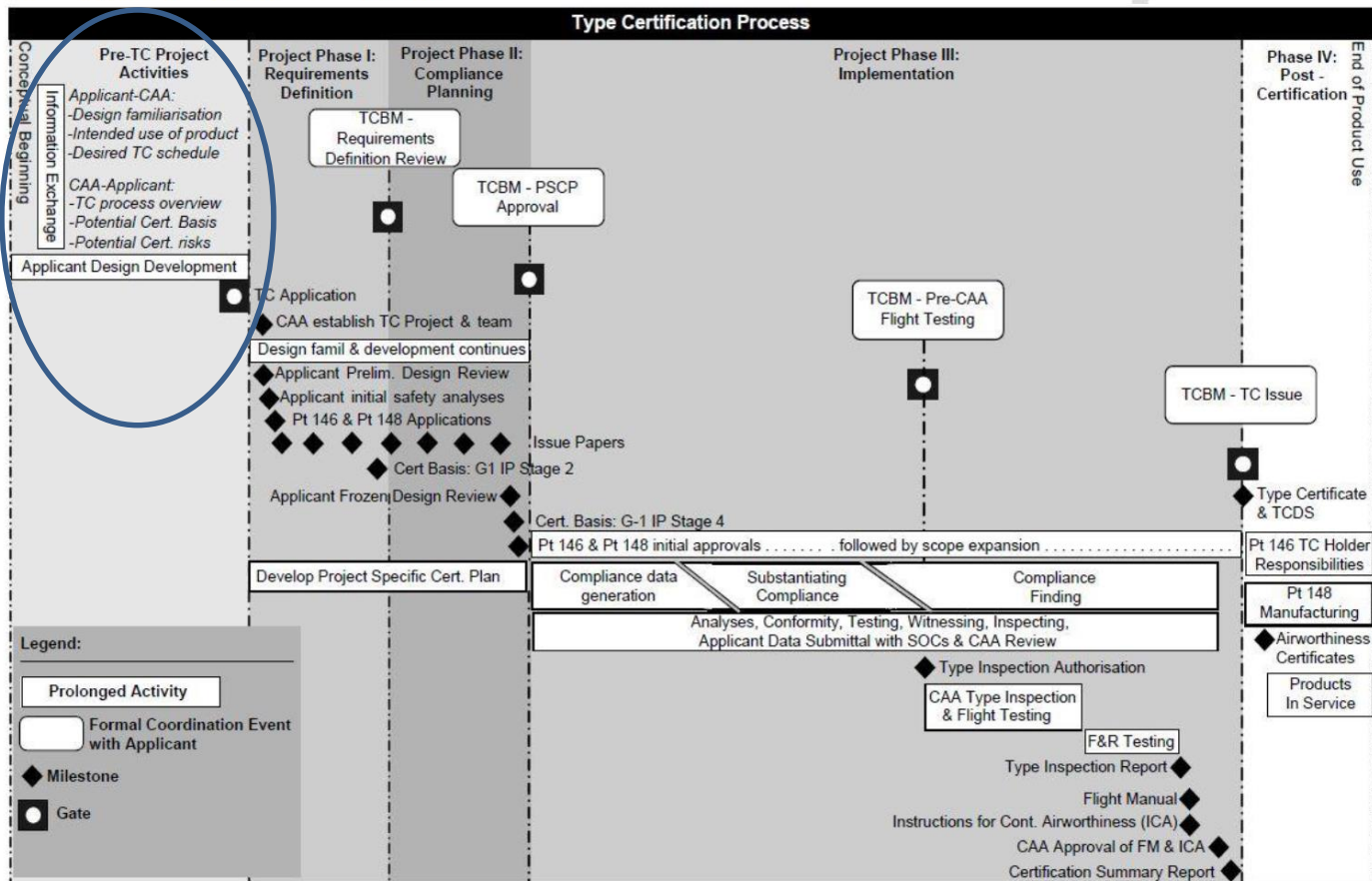
Revision 0
xx yy 2016



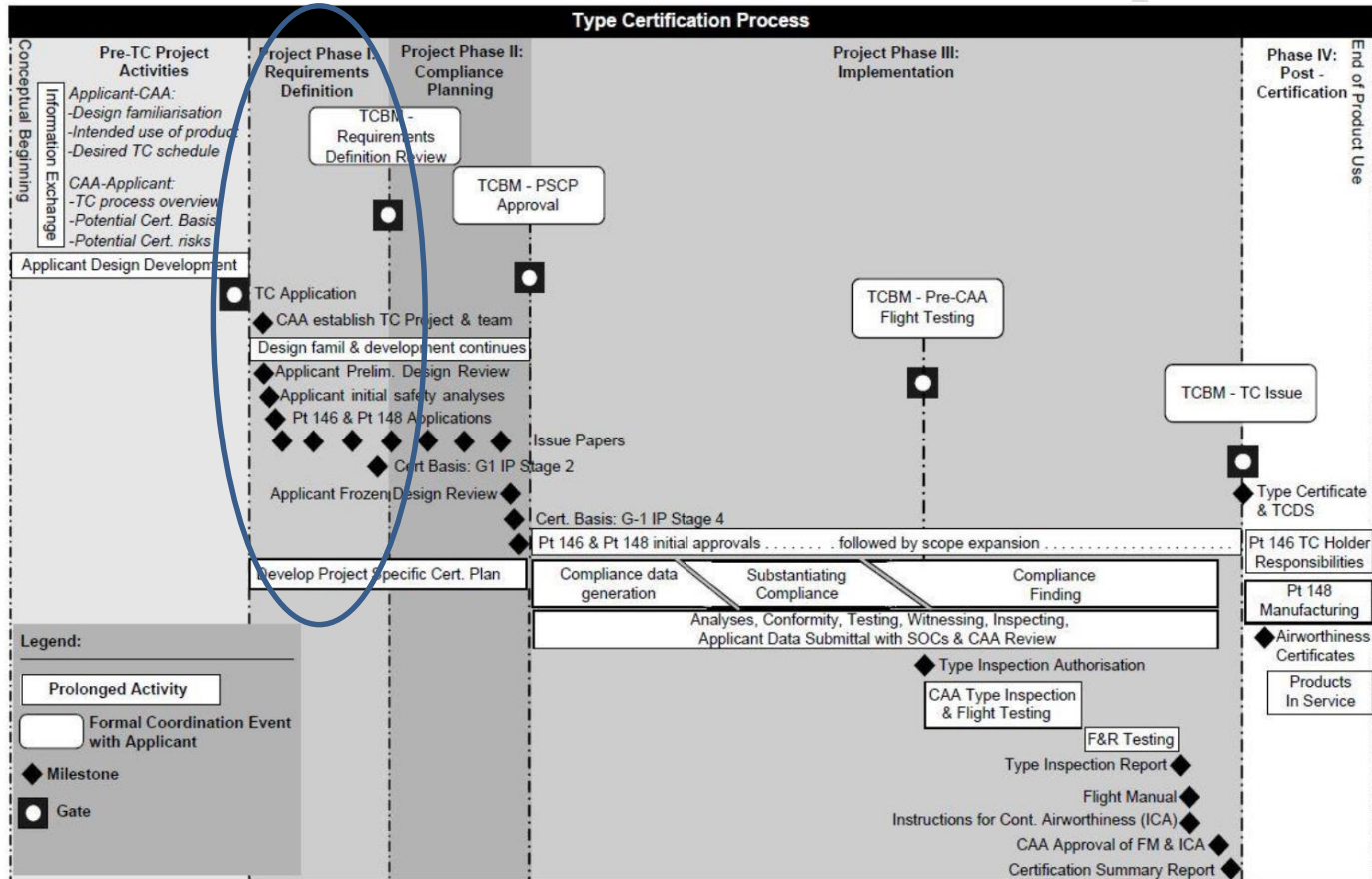
2.1. Figure 1: TC Process Diagram



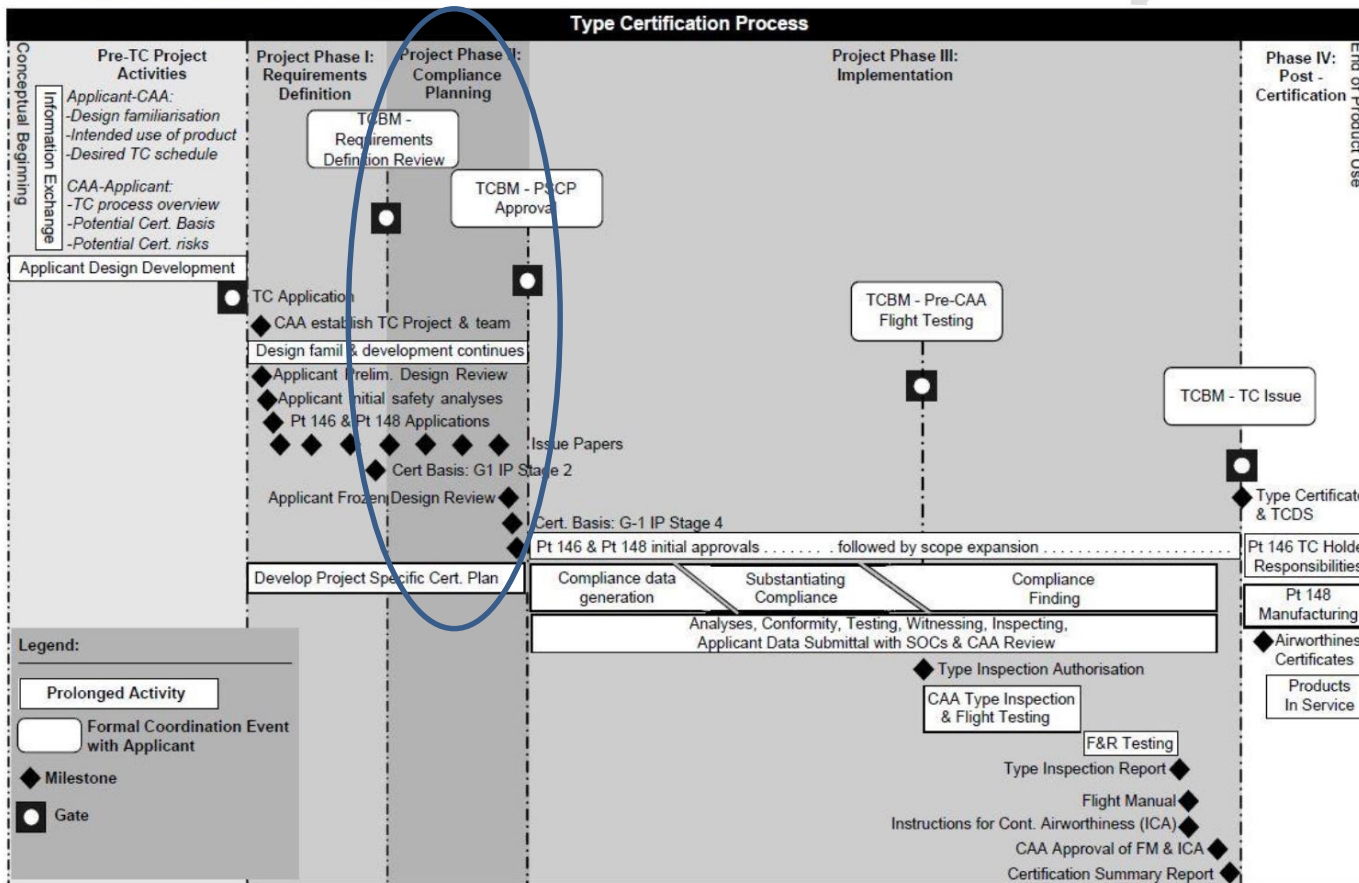
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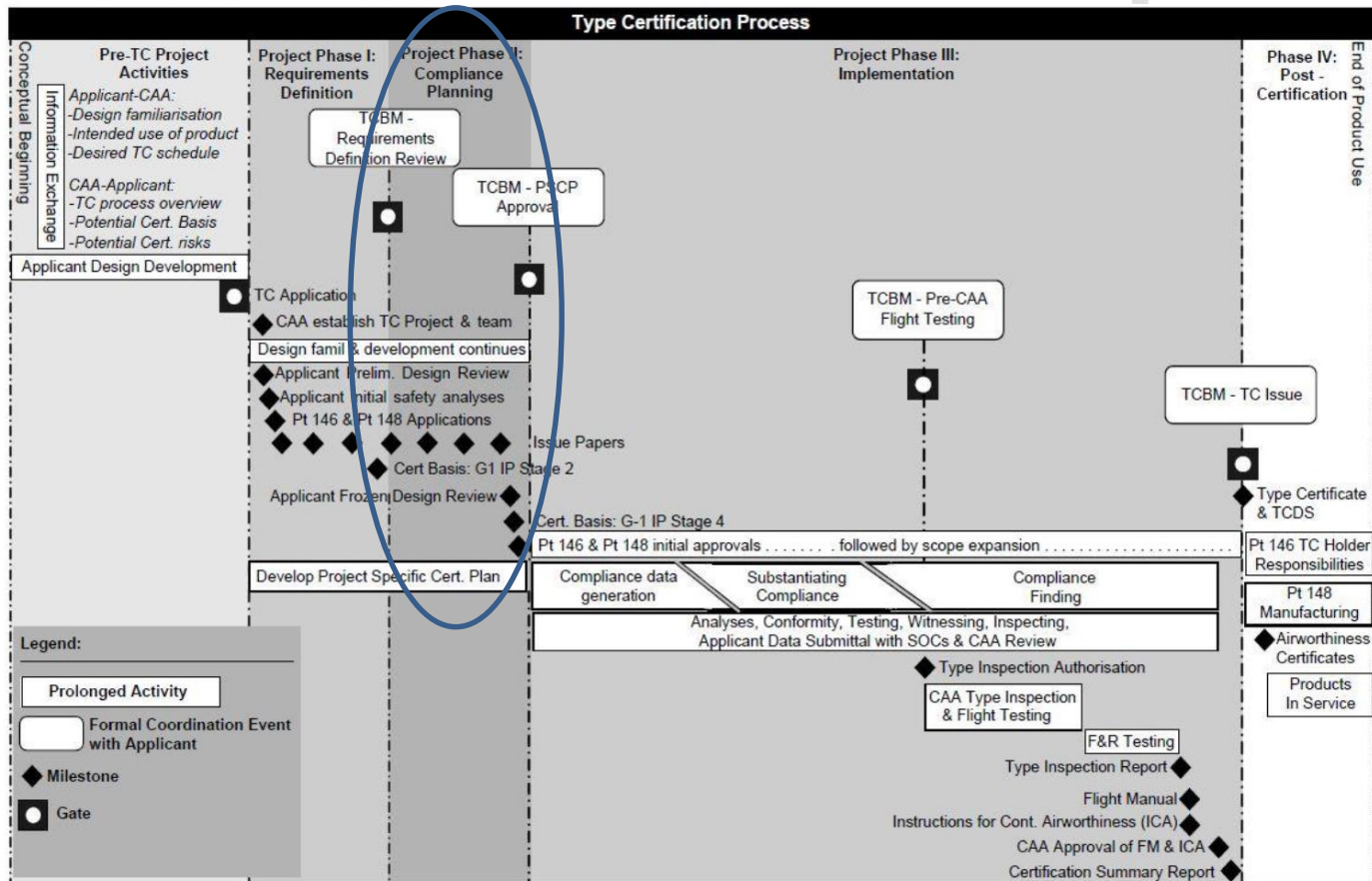
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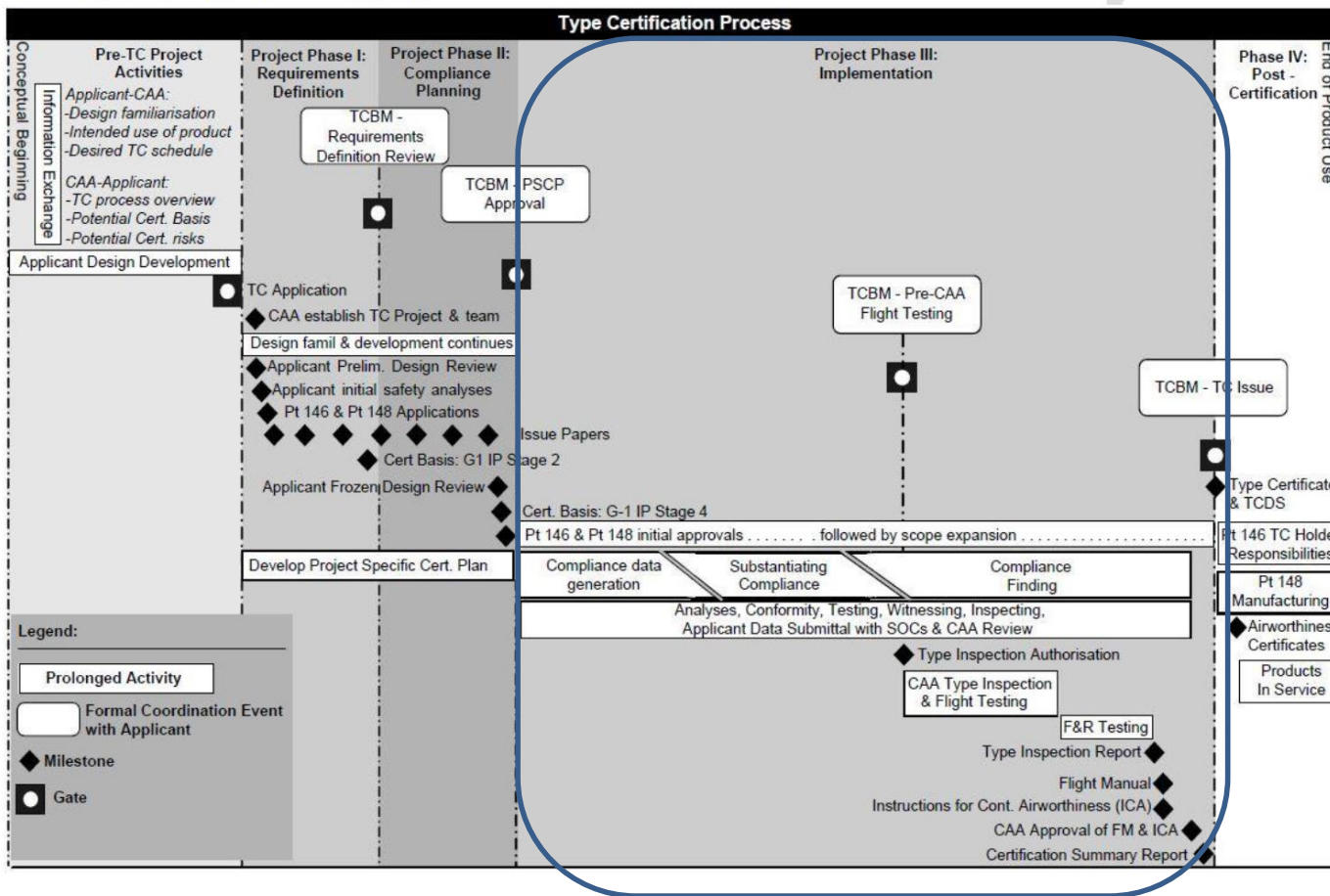
PSCP

- Product Description
- Master Project Schedule
- Master Test Plan
- Plan for Software Aspects of Certification (PSAC)
- Plan for Hardware Aspects of Certification (PHAC)
- Specific system certification plans
- Conformity Inspection Plan
- Compliance Checklist
- Project Certification Data
- Foreign Validation
- Extent of CAA Delegation

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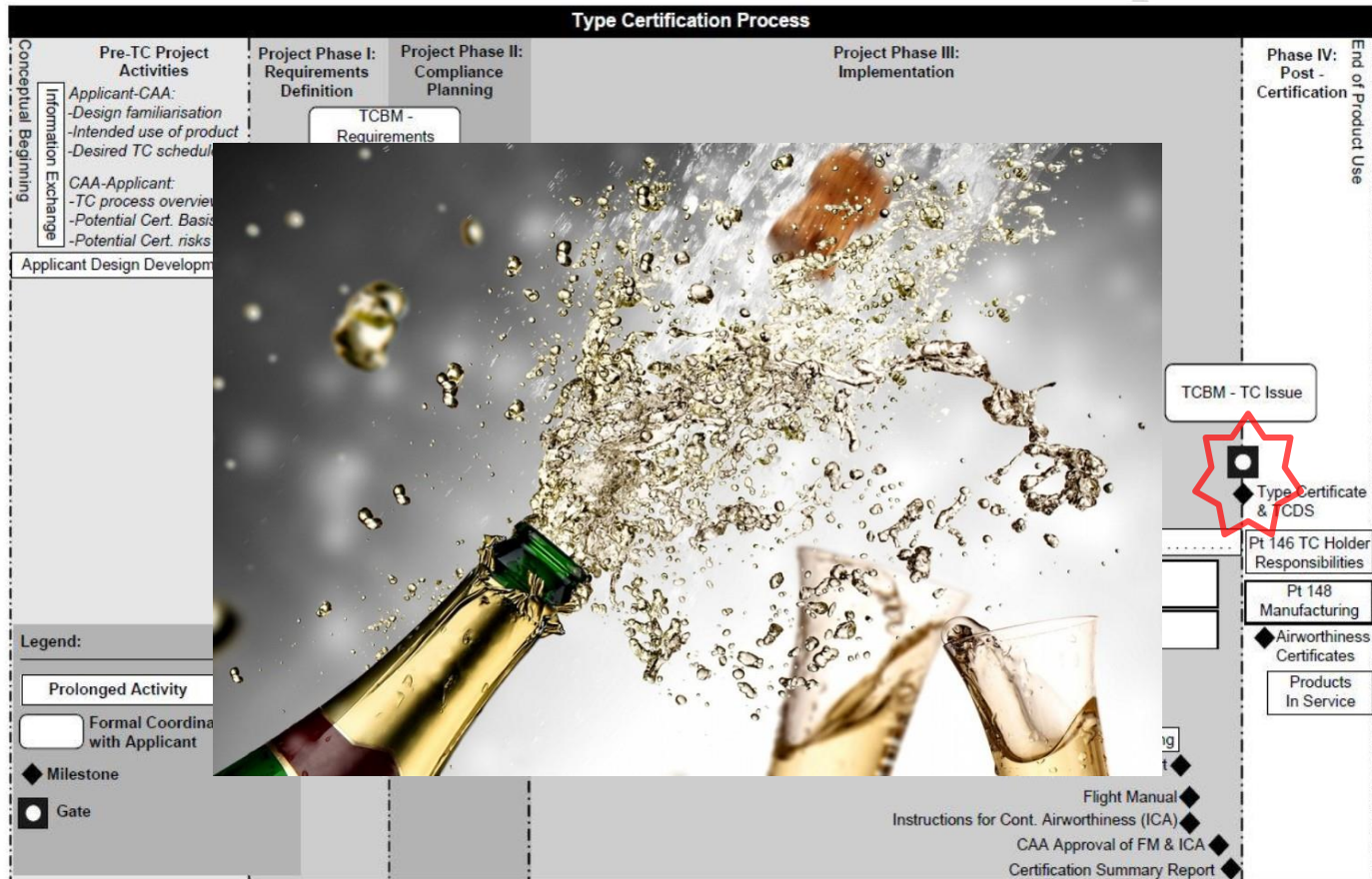


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The end goal!



2.1. Figure 1: TC Process Diagram

