

AIRCRAFT AT DESIGN, PRODUCTION AND CONTINUOUS AIRWORTHINESS STAGES & ITS CERTIFICATION



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ELEMENTS OF AIRPLANE DESIGN

TECHNOLOGY

REVENUE

RELIABILITY &
SAFETY

OPERATING
COST

CERTIFICATION
REGULATIONS

AIRPLANE
PRICE

MISSION
REQUIREMENTS

MANUFACTURING
COST

COMPETITIVE
SITUATION



DEVELOPMENT
COST

MARKET

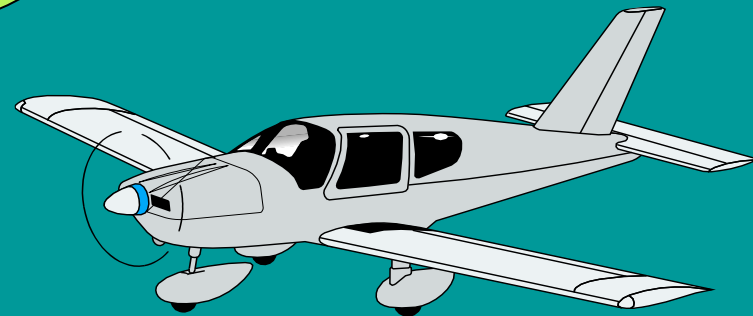
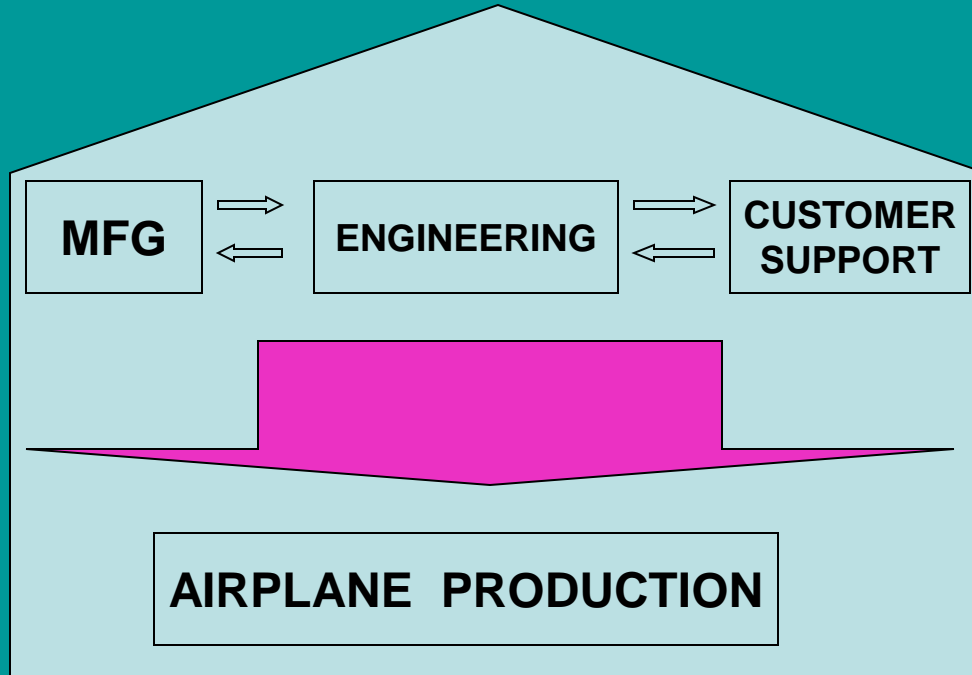
CONFIGURATION
ALTERNATIVES

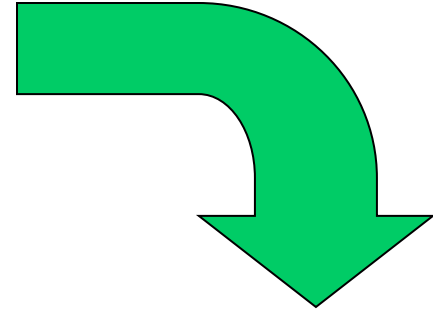
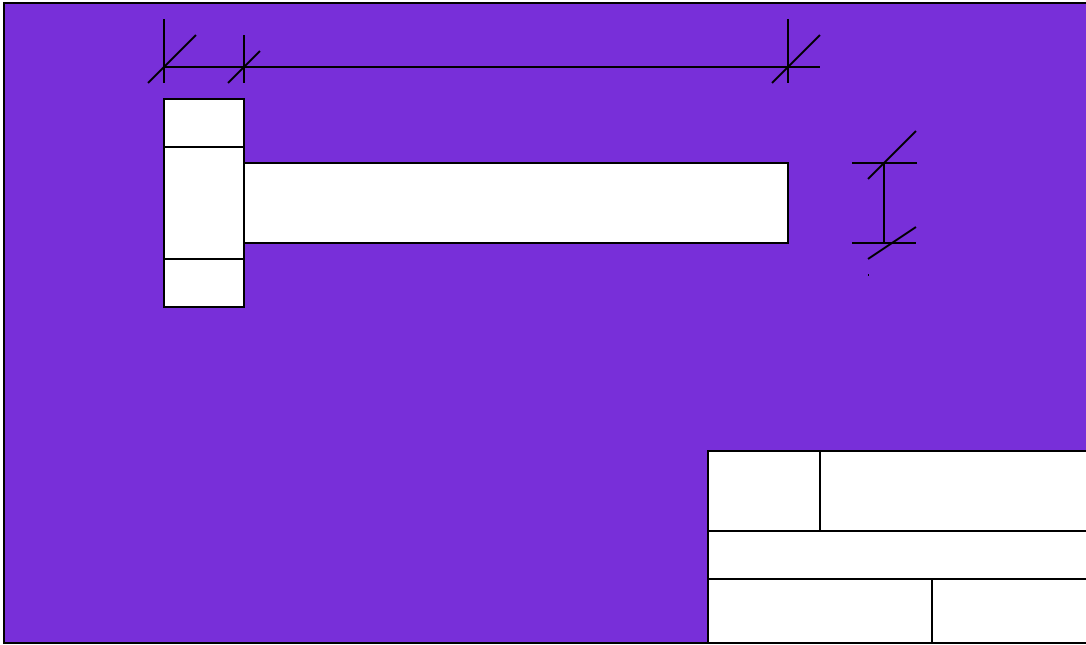
THE AIRPLANE PROCESS FLOW

MARKET NEED
DETERMINATION

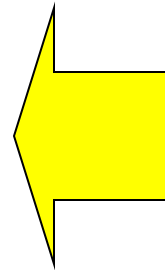
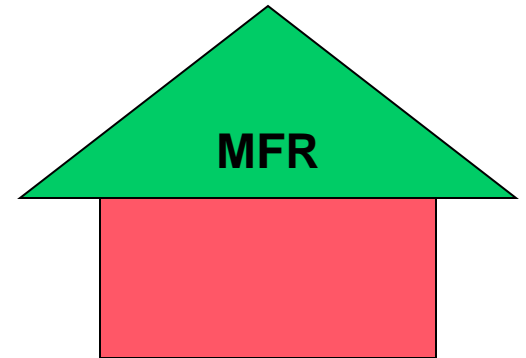
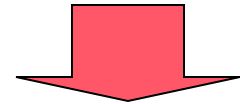


AIRPLANE
DEFINITION
&
DETAIL DESIGN





Dimensions & Materials



**APPROVED PARTS
(Which is Conformity inspection
Has been Completed)**

DRAWING , SINGLE PARTS , SUB ASSY & FULL ASSEMBLY

START



DRAWING

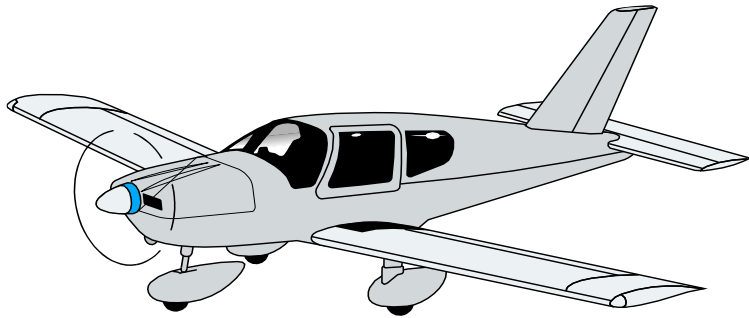


SINGLE
PART

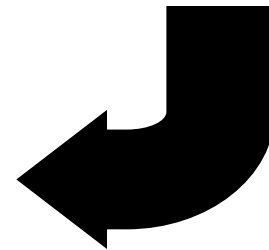


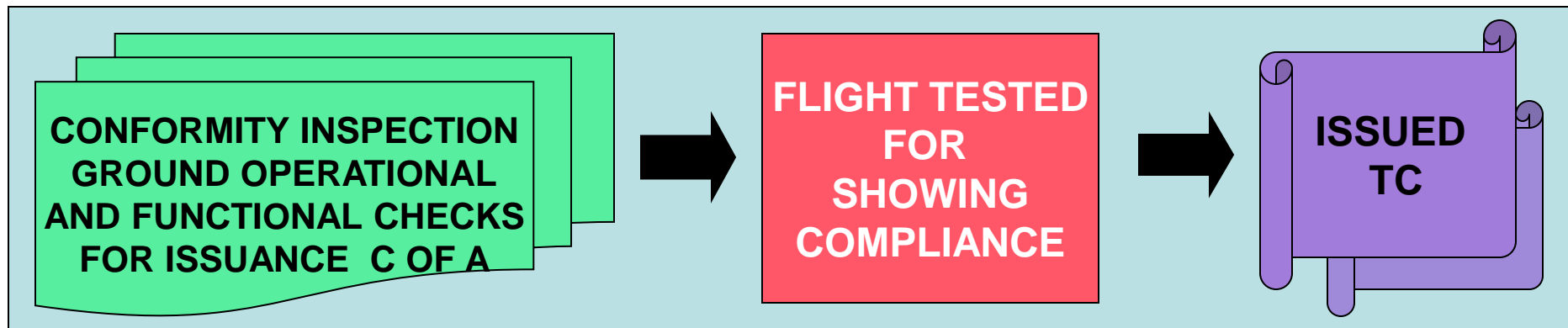
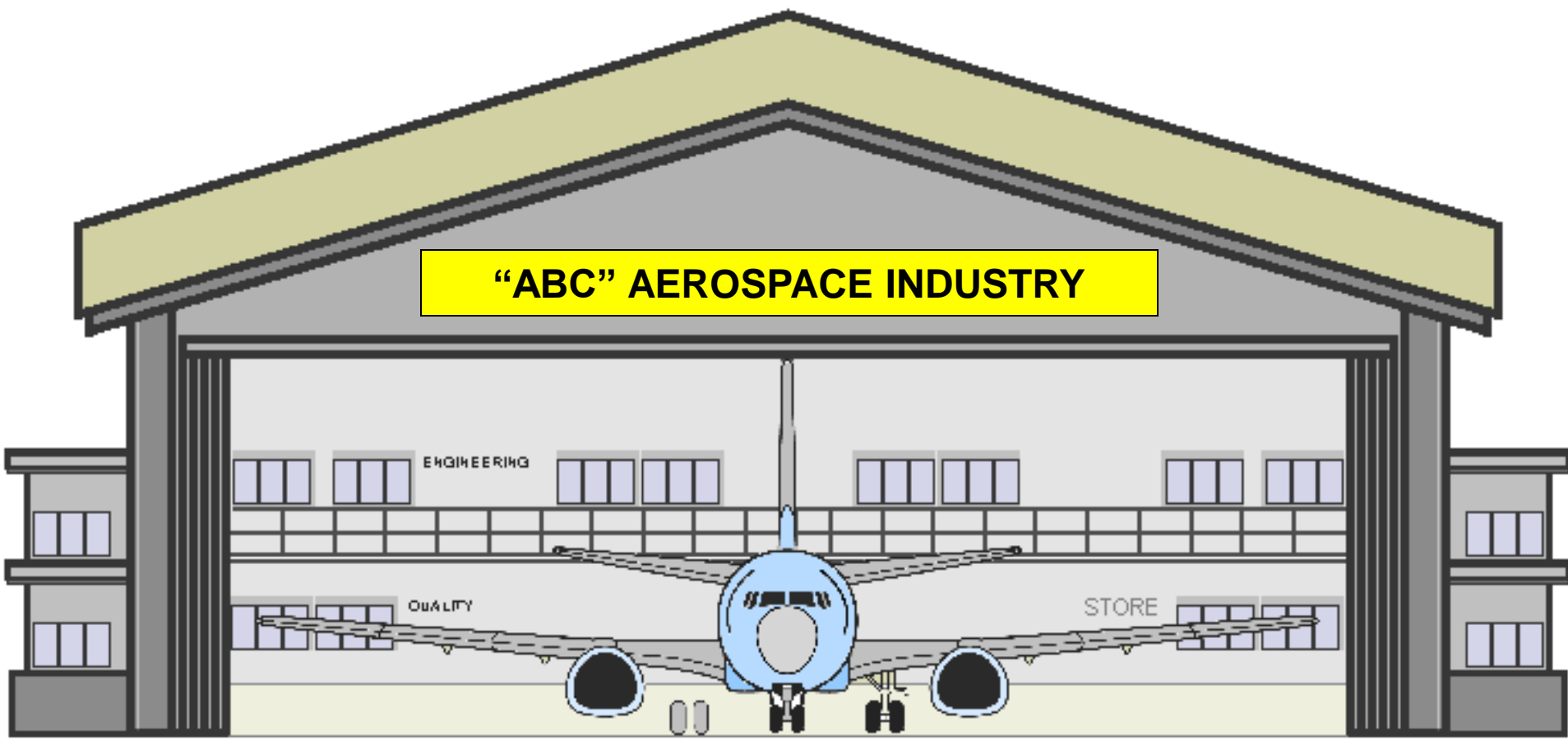
SUB ASSEMBLY

Wing , nose , tail
assembly

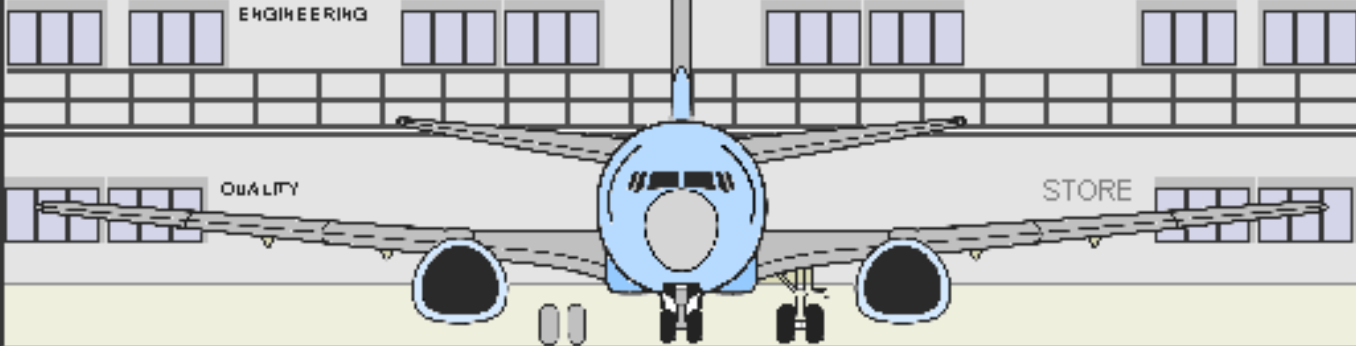


FULL / FINAL
ASSEMBLY

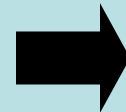




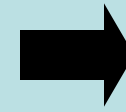
"ABC" AIRCRAFT MANUFACTURE



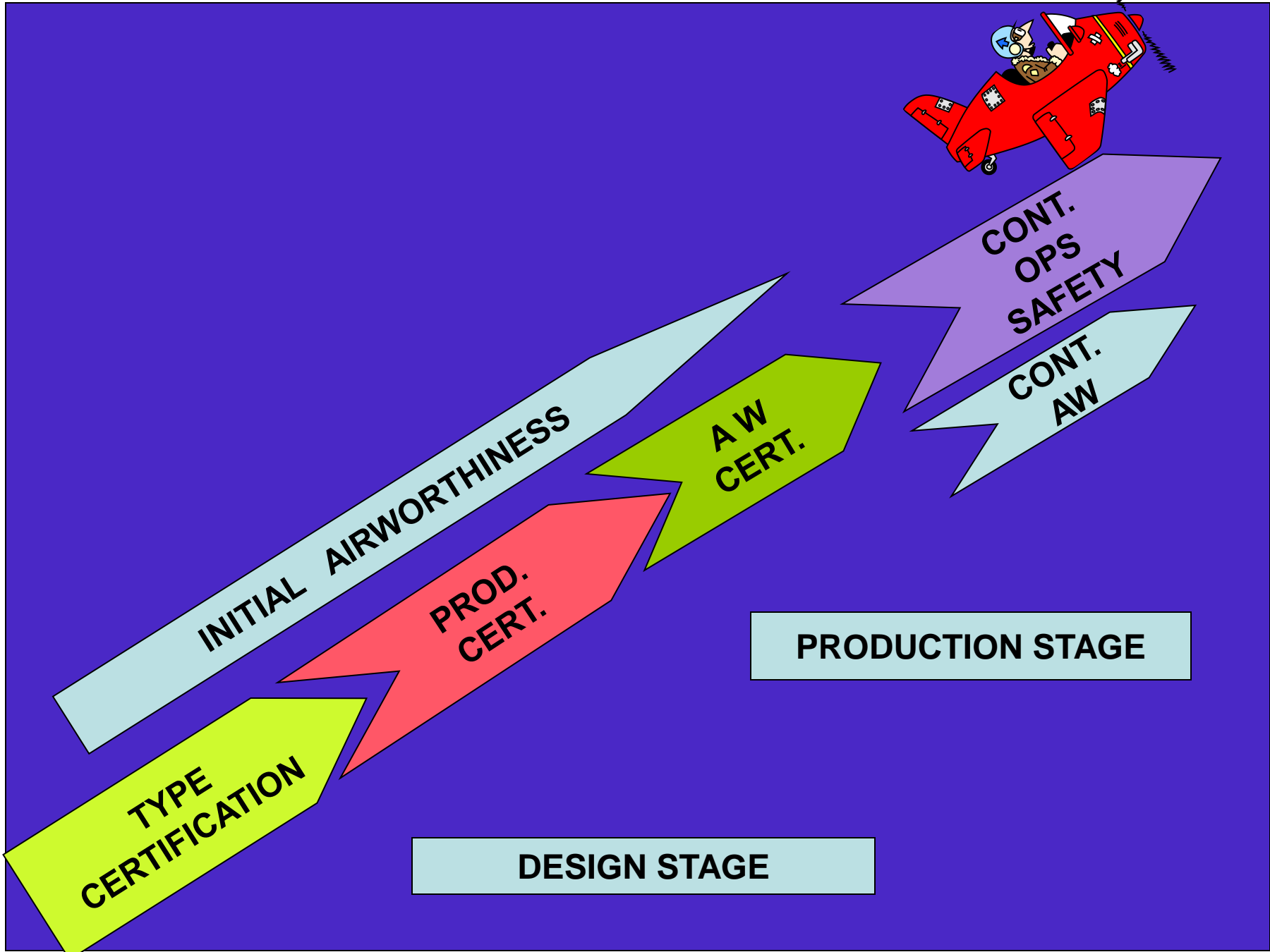
CONFORMITY INSPECTION
GROUND OPERATIONAL
AND FUNCTIONAL CHECKS
FOR ISSUANCE C OF A



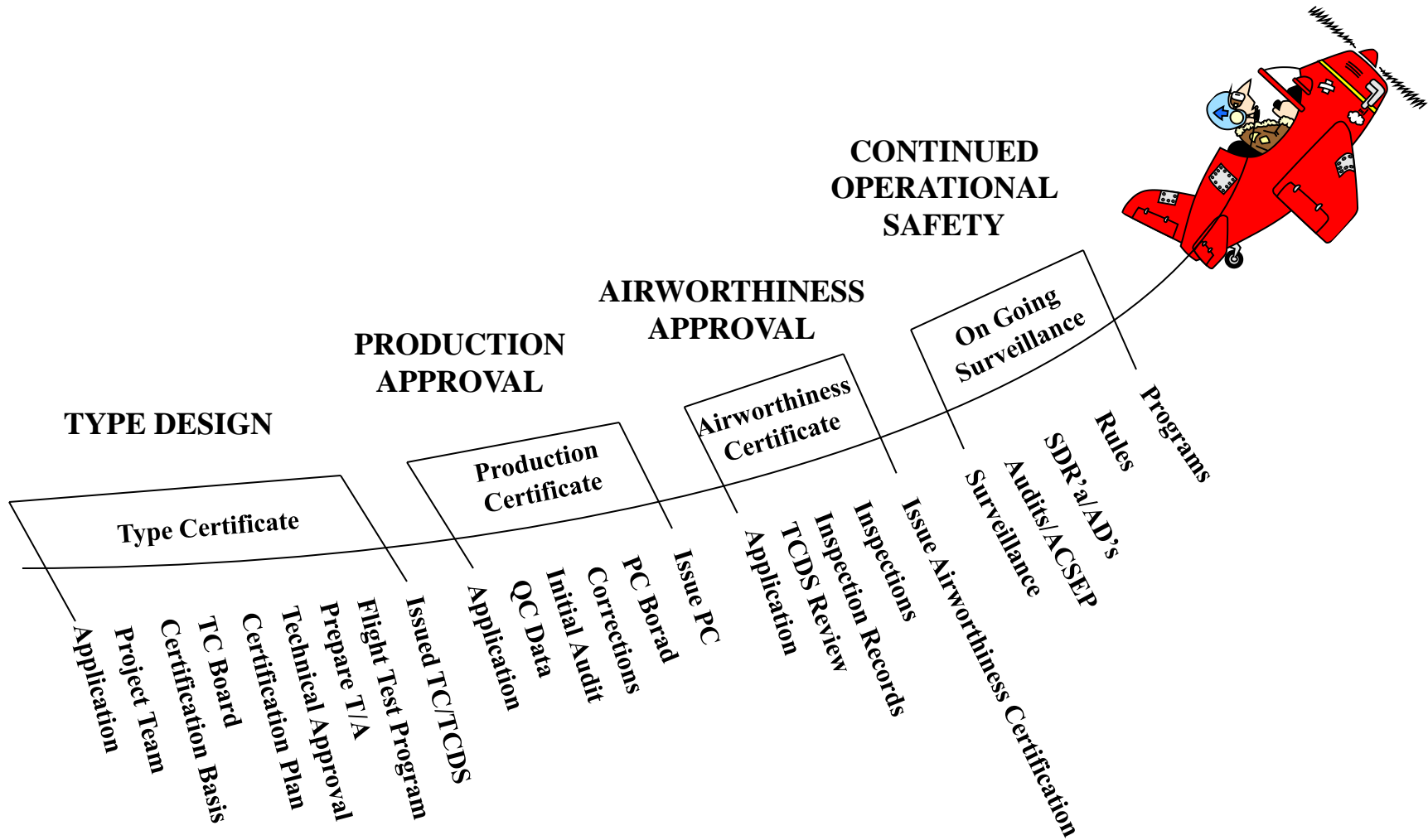
PRODUCTION
FLIGHT TEST



ISSUED PC &
STANDARD
C OF A



REGULATION FUNCTION OF AIRCRAFT MANUFACTURING



CONTINUING AIRWORTHINESS

IT IS COVERS ALL OF THE PROCESS ENSURING THAT :

All of Aircrafts comply with applicable airworthiness requirements in force and are in condition for safe operation, At anytime in their service / operation life.



CONTINUING AIRWORTHINESS

**UNDER CONTROL
OF
THE RESPECTIVE CIVIL AVIATION AUTHORITIES
OF
THE STATE OF DESIGN AND STATE OF REGISTRY**



Thank You