

Standard Guide for the application of Systems-Theoretic Process Analysis (STPA) to Aircraft ASTM – WK 60748

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Introduction

Review from last year

The certification process for system development (safety & system development) in the general aviation is very expensive

Same Certification Process

ARP-4754A & ARP-4761



General Aviation

Review from last year



Applicability

§23.2005 Certification of normal category airplanes.

(a) Certification in the normal category applies to airplanes with a passenger-seating configuration of 19 or less and a maximum certificated takeoff weight of 19,000 pounds or less.

(b) Airplane certification levels are:

(1) Level 1—for airplanes with a maximum seating configuration of 0 to 1 passengers.

(2) Level 2—for airplanes with a maximum seating configuration of 2 to 6 passengers.

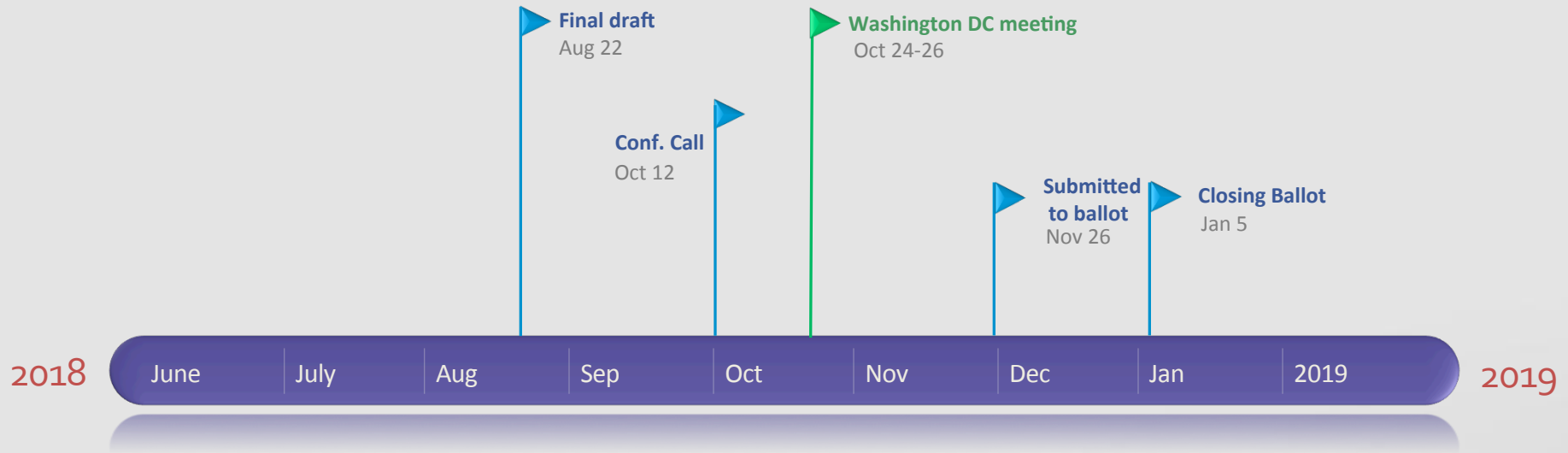
(3) Level 3—for airplanes with a maximum seating configuration of 7 to 9 passengers.

(4) Level 4—for airplanes with a maximum seating configuration of 10 to 19 passengers.

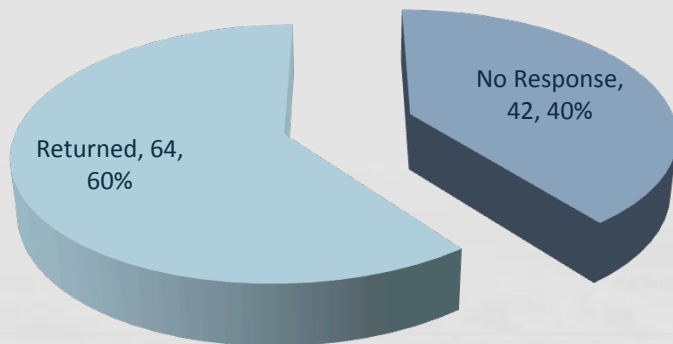
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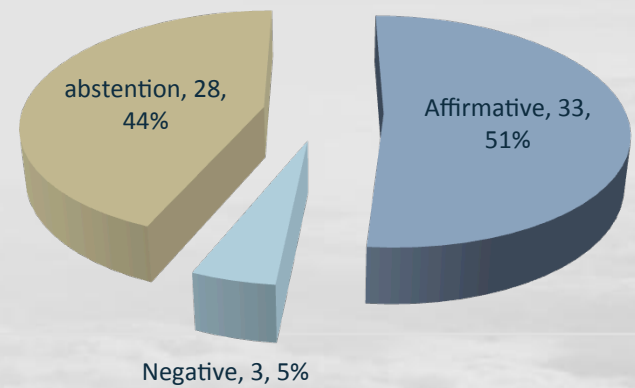
Timeline & Results



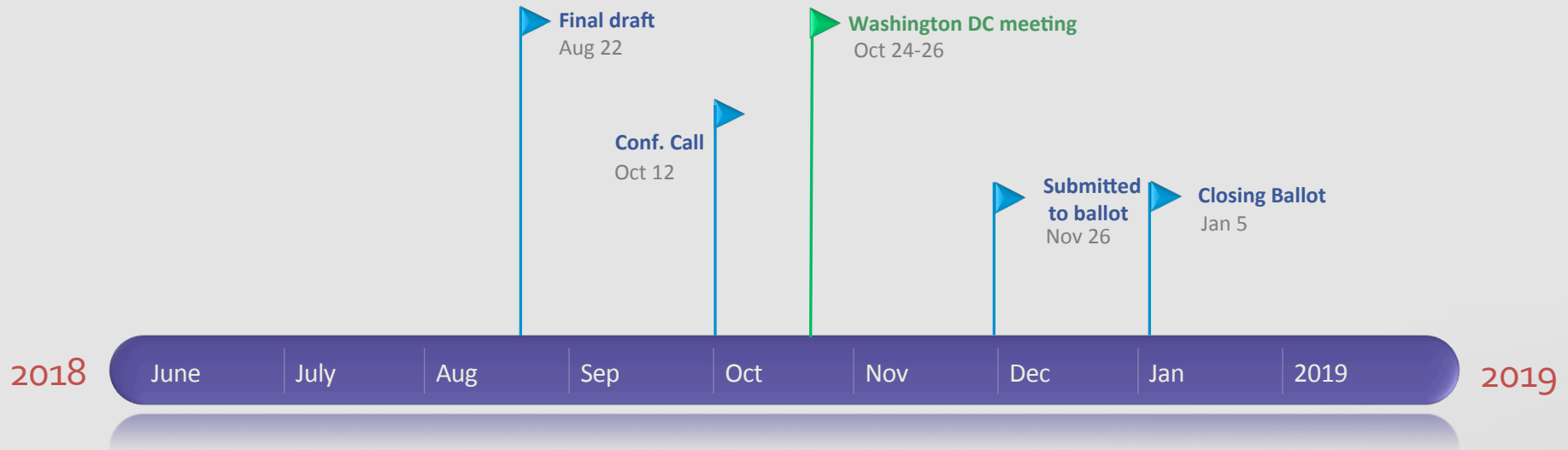
Return from Ballot



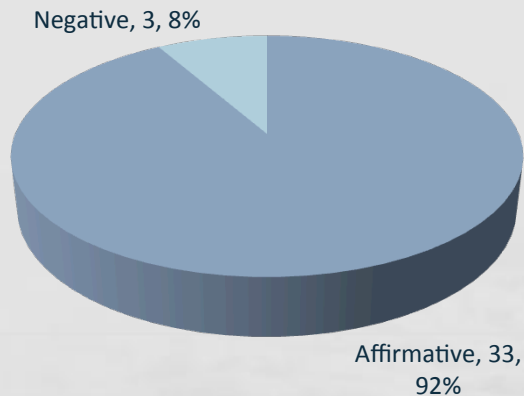
Ballot Result



Timeline & Results



Ballot Result (excluding abstention)

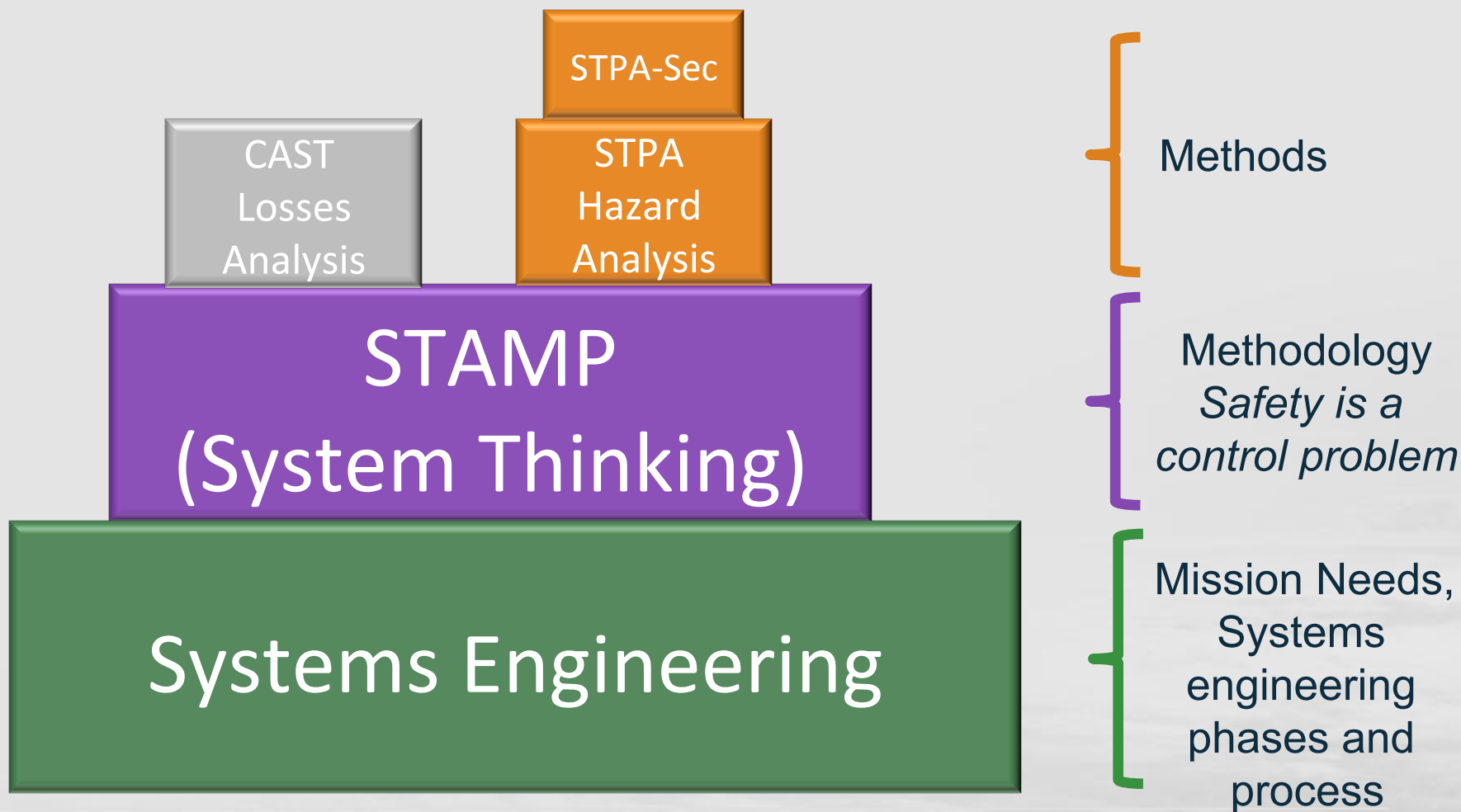


Next ASTM Meeting:
April 2019
Face to face to align to publish
Guide publication: Expected 4Q2019



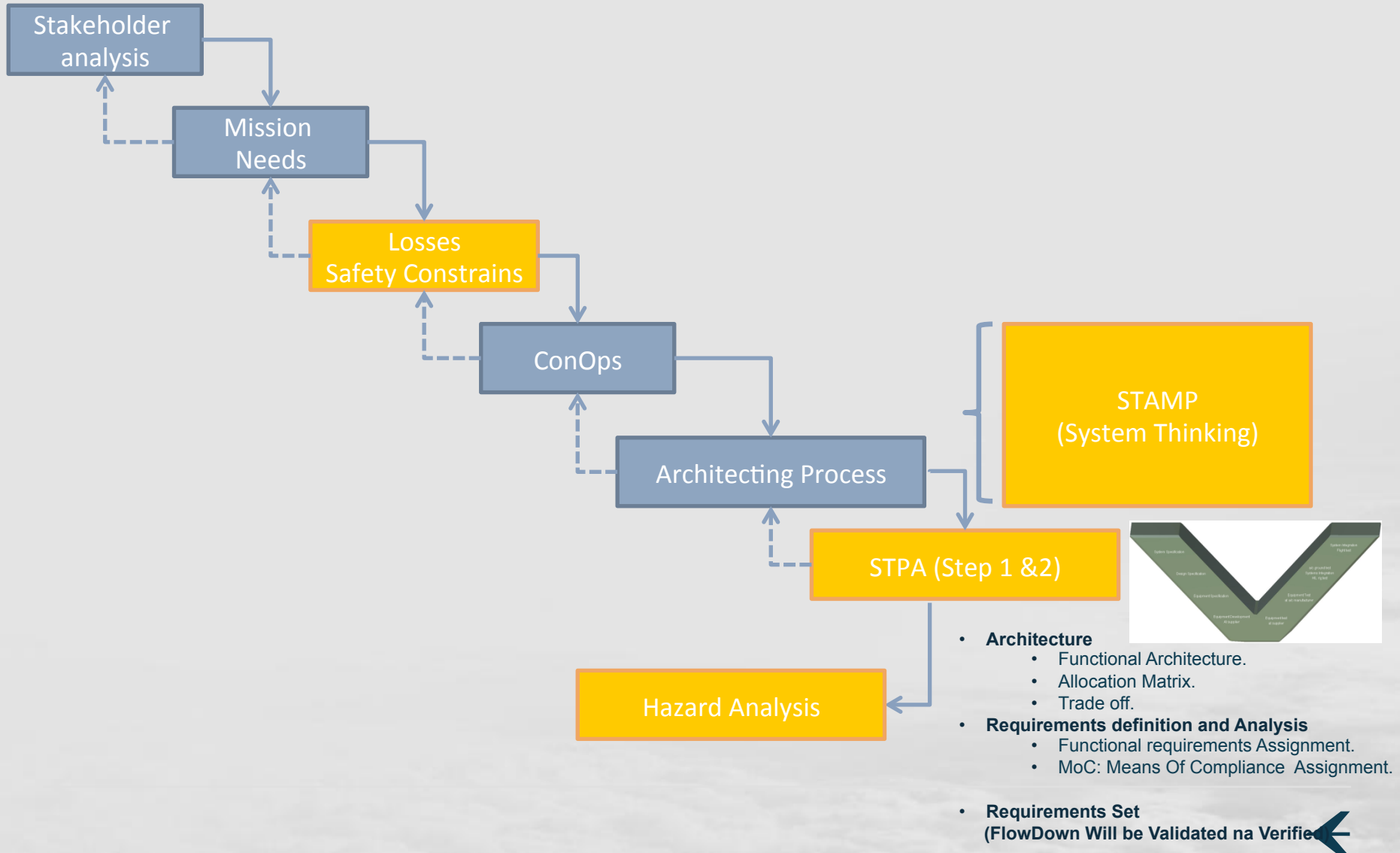
Relations among the concepts – Basis for application

Systems Engineering / STAMP / STPA / CAST)



ASTM Development Process

Summary of relations





Thank you!

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