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DESIGN TO DECISION OBJECTIVES (DTDO) STATE OF THE ART

Executive Summary

The purpose of the Design to Decision Objectives (DtDO) task in VIVACE is to define solutions to support decision making throughout the Aircraft and Engine development phases of a new or revised product.

Development is required to achieve a well defined decision support process which is adaptable for design teams and covering all design phases of the Aircraft or Engine. Certain supporting methods and tools will need developing to implement this process and to render it applicable in practice,

This document reviews candidate methods likely to be useful for this purpose. Additionally, some contributions related to Decision Support Processes in general are given.

Chapters are devoted to:-

- Decision Process
- Criteria Identification
- Preparation of Information
- Analysis of Information
- Assessment of Information
- Decision Support Tools

where the document structure relates to the different steps of the DtDO process approach.

Links to other relevant and complementary VIVACE State-of-Art documents are given.

This document does not claim to give a comprehensive summary of the identified topics.