



TECHNICAL REPORT	EQB3™	
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SUPPORT SYSTEM ANALYSIS		

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EFFECTIVENESS **Q**UANTIFICATION **B**ULLETIN

SUPPORT SYSTEM ANALYSIS



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EFFECTIVENESS QUANTIFICATION BULLETIN NO. 3

SUPPORT SYSTEM
ANALYSIS

Prepared by
EIA Committee G-47 on Effectiveness Quantification

July 1971

ELECTRONIC INDUSTRIES ASSOCIATION
Engineering Department
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Washington, D.C. 20006

FOREWORD

The Electronic Industries Association (EIA) G-47 Effectiveness Quantification Committee has a basic task to quantify system effectiveness. Since the support parameters underly any prime parameter quantification, the topic of support system analysis is a fundamental one to this basic committee task.

The charts contained in this bulletin were developed and used for presentations to aircraft support engineering groups, to communicate the logic and scope of system analysis applied to support system optimization.

The task coordinator for this task was Mr. E. S. Winlund of Douglas Aircraft Company.

SUPPORT SYSTEM ANALYSIS

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What is support system analysis?
Optimization criterion

DEFINITIONS

Effectiveness and its factors
Cost and its elements
Discounting
Cost-effectiveness

METHOD

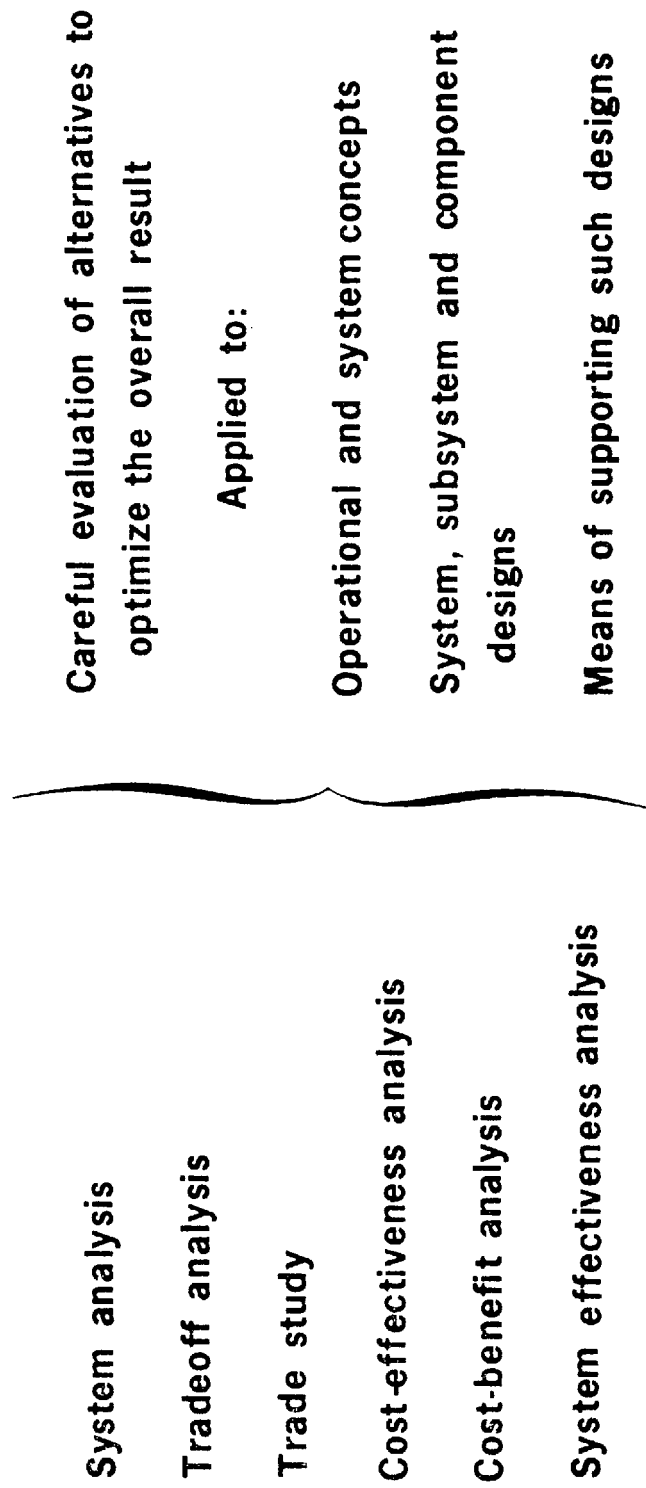
Basic logic and procedure
Application range
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Quantifiables
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What is SYSTEM ANALYSIS?



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What is SUPPORT SYSTEM ANALYSIS?

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Optimum M vs reliability R or level of redundancy

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Optimum AGE vs on-board support

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SUPPORT SYSTEM DEVELOPMENT

FOR ALL PROGRAM PHASES

