

Contents

<i>Chapter</i>	<i>Page</i>
1. Introduction	3
Background	3
2. Risks: A Qualitative Discussion	9
Technological Risk	9
Market Risk	10
Financial Risk	13
3. Industrial Organization.	17
Historical Overview.	17
Structural Change	19
4. Financing	27
Overview.	27
Sources of Funds	29
Financial Capacity ...,	34
5. Program Alternatives.	39
Single Manufacturer.	39
Joint Venture	39
Federal Government Involvement .,	42
Conclusion.	45
Bibliography	49

List of Tables

<i>Table No.</i>	<i>Page</i>
1. Commercial Air Transport Deliveries: Product Variation and Program Overlap Among Manufacturers.	18
2. Pattern of Diversification, Early 1960's and Later	20
3. Manufacturers' Reliance on Subcontractors: The Case of Boeing's 767 and 757 Programs	21
4. Aerospace Firm Bond Ratings, 1981	27
5. Average Stock Beta Values by Industry, 1966-74	28
6. Aerospace Stock Beta Values by Company, 1981	29
7. Net Income of Major Aerospace Companies	30
8. Net Profit After Taxes as a Percentage of Sales	31
9. Aerospace Firm Long-Term Debt Holdings.	33
10. Total and Aerospace Balance of Trade	43
11. Exports of Civil Aircraft,	44

List of Figures

<i>Figure No.</i>	<i>Page</i>
1. Cumulative Cash Flow Curve for Commercial Air Transport Program	4
2. Typical Cash Flow Curves and Their Sensitivity to Uncertainty	13
3. Many Subcontractors and Suppliers Work on a Single Program: Some Major Subcontracts for the Boeing 757	22