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USATSARCOM TECHNICAL REPORT-82-2

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HISTORICAL INFLATION PROGRAM

(A COMPUTER PROGRAM GENERATING
HISTORICAL INFLATION INDICES FOR
ARMY AIRCRAFT)

WARREN H. GILLE, JR.
FINAL REPORT
MARCH 1982

U.S. ARMY TROOP SUPPORT
AND AVIATION MATERIEL
READINESS COMMAND

COMPTROLLER
COST ANALYSIS DIVISION

4300 GOODFELLOW BLVD.
ST. LOUIS, MISSOURI 63120

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report extends and revises Technical Report 81-1 which presents and de- scribes the Historical Inflation Program, a computer program generating historical inflation indices for Army aircraft. The program can be updated monthly, is easily revised for changes in Bureau of Labor Statistics methods, and is capable of handling data for all fiscal year formats. Output is express- ed as monthly, quarterly, Fiscal Year, and Calendar Year inflation indices (in Calendar Year 1967 base) and inflation factors (in any Fiscal Year base). This report contains updated tables of inflation factors, expressed in a FY 81		

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20. ABSTRACT.

base. These indices and factors provide a means of adjusting historical cost data for the procurement of Army Aircraft to constant year dollars. Additional features include: computations for the Derivation of Revised Weighting Factors, detailed indices enabling the adjustment of historical Labor and Material cost separately, a discussion of aggregate weighting factors for Labor and Materials, (including trends from sensitivity analysis with more background materials), and additional documentation aimed at making the report useful to a large cross section of the DOD/Rotary Wing Aircraft Community.

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DISCLAIMER STATEMENT

The views, opinions, and/or findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy, or decision unless so designated by other documentation.



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ACKNOWLEDGEMENTS

The author extends his appreciation to the Kansas City Regional Office of the Bureau of Labor Statistics, U.S. Department of Labor, for special assistance with wage and price data.

Ms. Marva Campbell provided excellent clerical support in the revision of this paper.

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I. APPLICABILITY. The inflation indices and factors published in this report are applicable to the adjustment of historical costs for the procurement of Army aircraft. These costs are currently funded by the Aircraft Procurement, Army and Other Procurement Army appropriations.

II. AN OVERVIEW OF THE HISTORICAL INFLATION PROGRAM.

A. History.

The Historical Inflation Program for Army aircraft procurement was developed using a sequence of documents, the first being Aerospace Price Indices, by H.G. Campbell (RAND # R-568-PR, 12/70). Essentially, the RAND document established a basis for the construction of general indices, identified items of special interest and concern, and indicated that no substitute exists for thorough analysis of the specific items being characterized by an historical index. Several indices, designed specifically for rotary wing aircraft, have been developed for the adjustment of procurement cost since that time by the United States Army Aviation Systems Command, and this function has been carried over to the Components and Operational Studies Branch, Cost Analysis Division, Office of the Comptroller, USATSARCOM.

The current indices are based on research done in the period 1972 to date. In July 1973, the Office of the Comptroller, Cost Analysis Division, made a study of materials used in the Army helicopter systems then, or most recently, in production. Cost Information Reports were assembled, and contractors were asked to supply lists of materials for both airframe and engine, on the basis of contribution to weight. Contractor technical and engineering personnel provided assistance with data interpretation and definitions for items whose composition was unclear from engineering documents and Detailed Weight Statements.

The following aircraft were selected:

UH-1	OH-6	AH-1
CH-47	OH-58	CH-54

This selection of aircraft is deemed typical for several reasons. First, the six helicopter systems listed above make up the majority of the U.S. Army's current helicopter fleet. Second, a number of these aircraft have been produced on a long term, continuous basis in numerous models. And, third, and most important, they are among the systems most likely to be used in developing Cost Estimating Relationships for new systems by use of parametric techniques.

The September 1973 Historical Inflation Cost Research Report, cited in the references, was the first report to make full use of this information. It was updated by the August 1974 Cost Research Report, and then by a series of expanded analyses under current title, Historical Inflation Program, since that time. A list of the assumptions and changes in methodology over the period referenced are included in the body of the Technical Report with the same title.

B. Construction of Indices - Methodology.

The indices are developed by a stepwise, building process, which computes the contributions to cost on a weighted value-added basis.

1. First, the contribution to cost of small parts and other purchased equipment is calculated.
2. Next, the cost contribution of purchased parts is combined with that of raw materials to get the cost of purchased materials.

3. Purchased material cost is then combined with contractor labor cost to compute the index for products such as engine or airframe.

4. The indices for engine, airframe, and avionics are combined to get an overall index for aggregate aircraft.

C. Indexing Technique.

The procedure used is "Cost-Weighting". The information obtained from 1973 research on "helicopter materials" established percentages based on weight. Because the indices used to track material costs are based on monetary considerations (e.g., Producer Price Index; Wages, by Standard Industrial Code), percentages by weight had to be transformed into percentage contributions to cost, if PPI and SIC inflation factors were to be applied directly. Based on the premise of profit maximization, contractors should tend to minimize the use of expensive materials subject to maintaining acceptable performance standards; essentially, materials with a high cost per unit weight ratio would be used sparingly. Adjusting a percentage based on weight using a monetary index would not only result in an improper index initially, but also one with diminishing reliability. The latter bias is avoided by calculating the contribution to cost, instead of merely the contribution to weight.

D. Weighting Factors. Although the model is developed by an iterative, stepwise process, the revised weighting factors in the table (at the end of Appendix B) implicitly include all calculations. The index, as stated, is merely the direct sum of

the products of the weights and their corresponding material index values. The development of weighting factors is illustrated in the Technical Section.

E. Data. The data used appear in two different forms. Yearly data are presented by Calendar Year 1947 to date, and monthly data for 1967 to date. The yearly data, pre 1958, are condensed into three columns; the data for 1958 and later are presented in an 18 column format - 14 columns for material inputs, and 4 for labor. Beginning with report 76-1B, all columns of the data set have been identified by PPI and SIC code, as well as a verbal description in the column heading. PLEASE NOTE: The data, their characterization, and any redefinition by the Bureau of Labor Statistics over the years, are tracked in line diagram C-2.

F. Validity and Firmness of Data.

The Producer Price Index and Wage Data was supplied by the Kansas City Regional Office of the Bureau of Labor Statistics, U.S. Department of Labor. The data comes in three types of published format: (1) a cumulative history covering all relevant past years on a monthly basis. (2) A yearly edition (such as Wage and Price Index Annual Supplement) which lists the previous 12 months, and (3), monthly publications which list the most current month and several other months for comparison.

For data to be "firm" it must be at least 18 months old, in most cases, because it is benchmarked and adjusted after the fact. For example, small samples are taken throughout the year; however, during one month (the benchmark month), a much more comprehensive

sample is taken. Due to its significantly larger sample size, the benchmark month's sample is felt to be more representative than those of other individual months, and if benchmark diverges from the pattern, the other months are adjusted proportionately to conform to its base as benchmark.

The data in the cumulative history "type" publication is felt to be firm or "final". Basically, such publications provide a chronological listing of all firm data available for the past history of those indices. However, the data in such publications is usually 18 to 24 months behind the current period. The data for each month listed in the Annual Supplements is not necessarily firm because benchmarks occur during the Calendar Year, and at different times for different series. Adjustments may not have been made before the Annual Supplements are published. The monthly publications, which contain information on the most current periods, are even more tentative. In general, the Producer Price Index Data are firm before Wage Indices for the corresponding month, probably due to the fact that it is easier to define and measure price changes for commodities than for human skills.

G. Particular Problems.

1. The Wage Data for the period CY 1971 - CY 1973 changed, in many cases, during FY 75 - FY 76. The wage-price freeze disallowed

certain salary and wage increases, but a number of these were awarded on a retroactive basis based on legal decisions rendered several years after the fact. Because such payments involved costs directly attributable to labor services during the period, these payments had to be incorporated in the indices to provide an accurate measure of labor earnings.*

2. With the September 1978 issue of Employment and Earnings, the reporting categories for a number of types of production labor were changed. In effect, the 1967 Standard Industrial Classification Code has been supplanted by the 1972 SIC Code.

The Changes are as follows:

<u>SIC Code & Title</u>	<u>-to-</u>	<u>SIC Code & Title</u>
3674,9 Electronic Devices & Components		367X Electronic Components & Accessories
3722 Aircraft Engines & Engine Parts		3724 Aircraft Engines & Engine Parts
3723,9 Aircraft Parts & Equipment		3728 Aircraft Equipment

The reclassification had little or no impact on this study due to the essential similarities, by definition, of the old and new labor categories.

3. In June 1981, the Bureau of Labor Statistics discontinued two material reporting categories (PPI Codes) used in the Historical

*See BLS Bulletin No. 1312-10, Employment and Earnings 1909-75 for a detailed explanation (esp. p.769).

Inflation Program. New Codes were selected to replace the old based on similarity:

<u>Old Code & Title</u>	<u>New Code & Title</u>
10150141 Steel Castings	10150621 High Alloy Investment Castings
10150153 Closed Die Forgings	10151151 Closed Die Forgings, C.S.

The new material codes were chosen with the assistance of Mr. Ed Kasanowski, metals specialist, BLS, Washington D.C. No adjustment in weighting factors was required.

4. Potential discrepancies in the data set were eliminated by comparing data elements with the most recent data in the BLS computer for the 14 material and 4 labor categories used in the report. All data were verified to be the latest and most accurate available, on 15 December 1981, by the Kansas City Regional Office, BLS.

H. Additional Publications Relating to this Report

The Office of the Comptroller, Cost Analysis Division, can supply the following publications which may be of assistance in using and interpreting these inflation indices:

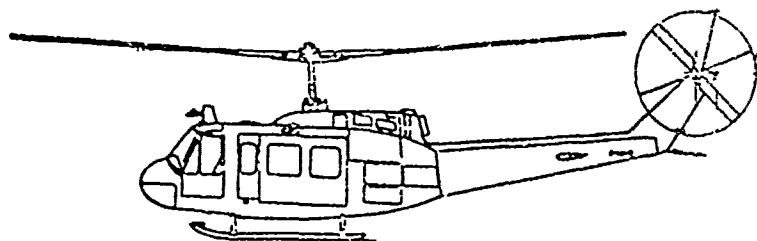
CM 82-2 Inflation Indices, An Introduction to Basic Theory and Their Application with sample problems. Nov 1981

CM 82-6 The Historical Inflation Program, for Army Aircraft (22 pp.)
March 1982

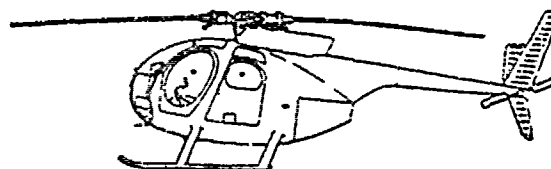
CM 82-1 The Troop Support Inflation Program Dec. 1981

DATA CONCERNING:

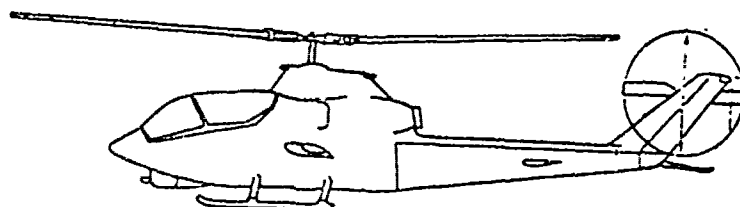
The Material Content of U. S. Army Helicopter Systems



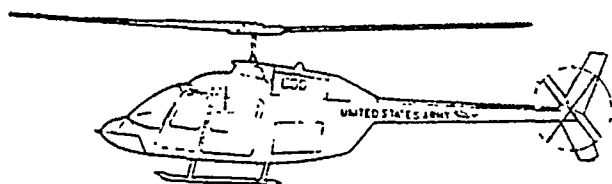
UH-1H "HUEY"



OH-6A "CAYUSE"

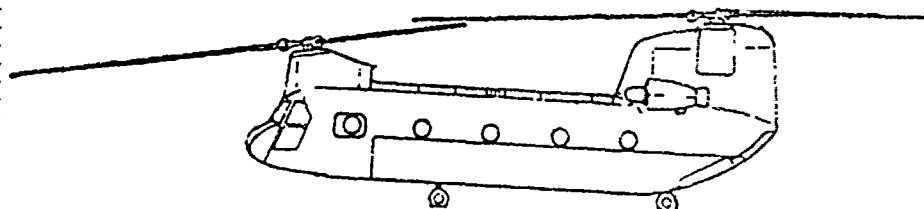


AH-1G "COBRA"

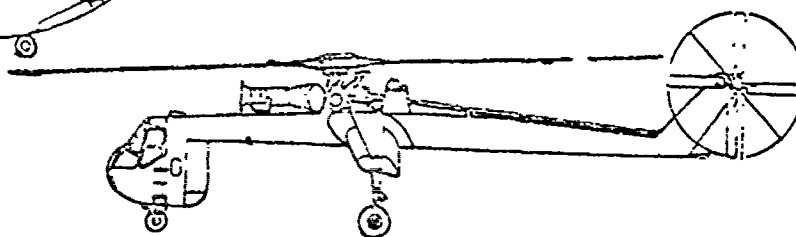


OH-58A "KIOWA"

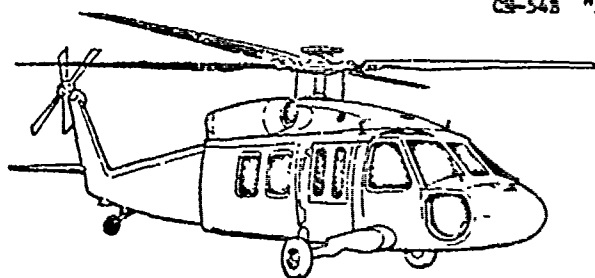
U S A R M Y A I R C R A F T



CH-47C "CHINOOK"



CS-54B "SKYCRANE"



UH-60A (Blackhawk)

Air Order of Battle

United States Army - Quantities and Types of Aircraft

ROTARY WING AIRCRAFT

<u>System Designation</u>	<u>Popular Name</u>	<u>Approx Empty Wt.</u>	<u>No. of Aircraft</u>	<u>Percent of Fleet</u>
AH-1	"COBRA"	5,800 lbs.	1,009	12.7%
UH-1	"HUEY"	5,100 lbs.	3,829	48.1%
OH-6	"CAYUSE"	1,200 lbs.	402	5.0%
OH-58	"KIOWA"	1,750 lbs.	1,998	25.1%
CH-47	"CHINOOK"	19,500 lbs.	444	5.4%
CH-54	"SKYCRANE"	19,800 lbs.	73	0.9%
UH-60A	"BLACK HAWK"	10,500 lbs.	210	2.6%
AH-64A	"ADV. ATTACK"	10,400 lbs.	0	0%
			7,965	100.0%

Sources: FM 101-20 (UNCLASSIFIED).
World Combat Aircraft Directory
Doubleday and Co.,
BLACK HAWK PM Office

USNAVSCOM COST ANALYSIS DATA 1973

AMSAV-CCE

31 July 1973

MEMORANDUM THRU: Mr. Gerald Dockins, Acting Chief, Estimates and Studies Branch

FOR: Mr. Edward P. Laughlin, Chief, Cost Analysis Division *SL*

SUBJECT: Material Composition Analysis of U.S. Army Helicopters, July 1973

1. On 6 June 1973, this office received a request from Mr. W.J. Trope, AEC Comptroller Office, Cost Analysis Division, for the material composition of a UH-1H helicopter. On 18 June 1973, Chief, AVSCOM Comptroller Office, Cost Analysis Division requested a similar analysis be performed on the following Army helicopters:

- a. CH-47C.
- b. OH-6A.
- c. OH-58A.
- d. AH-1G.
- e. CH-54B.

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2. A search of the technical data files and aircraft drawings failed to produce the desired data. The analysis was completed with the assistance of AVSCOM Systems Engineering Division, Directorate of R&DE and pertinent U.S. Army Plant Activities. Contractors were also contacted during the data search, and others. The data obtained are a combination of expert opinion, engineering estimates and contractor data obtained under previous contracts.

3. The following Cost Analysis personnel were assigned to this project:

Aircraft System	Assigned To
UH-1H	Gerald Dockins
CH-47C	James Cade11
OH-6A	John Thilman
OH-58A	Gerald Dockins/James Cade11
AH-1G	Gerald Dockins/James Cade11
CH-54B	James Cade11

AMSAV-CCE 31 July 1973

SUBJECT: Material Composition Analysis of U.S. Army Helicopters, July 1973

- 4. Copies of the Material Composition Analysis have been placed in the following files:
 - a. A new file folder titled "Material Composition Analysis".
 - b. A complete copy of the findings placed in the file folder titled "Inflation".
 - c. A separate file of the findings relating to turbine engines has been created.
- 5. Summary Tables and Material Composition Analyses are Inclosed.

1 Incl
as

JAMES N. CADELL
Math-Stat

Material Composition Analysis
of Army Helicopters
(Dated July 1973)
Material (Pounds)

U.S. Army Helicopters

Aircraft Model	Empty Weight	Aluminum	Steel	Magnesium	Titanium	Copper	Brass	Bronze	Lead	Tungsten	Nickel Alloy	Nonmetallic
AR-1C	5,394	1,888	1,780	216	108	593	0	0	216	0	0	593
UH-1H	4,973	1,579	1,718	280	70	400	100	0	100	0	0	726
OH-6A	1,163	666	218	46	1	30	23	3	0	1	25	150
OH-58A	1,586	536	543	55	15	101	0	0	43	0	0	293
CH-47C	20,483	8,312	7,989	1,304	63	676	4	16	0	45	0	2074
CH-54B	19,765	8,931	3,860	72	970	516	20	23	1	0	788	4584

U.S. Army Turbine Engines

Engine Model	Dry Weight	Aluminum	Steel	Magnesium	Titanium	Copper	Nickel Alloy	Nonmetallic	Stainless Steel	Steel Alloy
T53-L-13	527	79	316	80	26	3	0	23	0	0
T63-A-5A	138	1	108	26	0	0	0	3	0	0
T63-A-700	138	1	108	26	0	0	0	3	0	0
T55-L-7C	590	0	510	50	20	10	0	0	0	0
T73-P-700	981	1	0	8	0	0	290	0	596	94

U.S. Army Helicopter Airframe, Only.

Aircraft Model	Airframe Weight	Aluminum	Steel	Magnesium	Titanium	Copper	Brass	Bronze	Lead	Tungsten	Nickel Alloy	Nonmetallic
AR-1C	4,867	1,809	1,464	136	82	590	0	0	216	0	0	570
UH-1H	4,446	1,500	1,402	200	44	400	100	0	100	0	0	700
OH-6A	1,025	666	109	20	1	30	23	3	0	1	25	147
OH-58A	1,448	536	434	29	15	101	0	0	43	0	0	290
CH-47C	19,303	8,312	6,969	1,204	23	656	4	16	0	45	0	2,072
CH-54B	17,803	8,928	2,480	72	970	516	20	23	1	0	209	4,584

TABLE 3 **

SUMMARY OF AIRFRAME AND ENGINE CIR DATA*

	(1) Airframe	(2) Engine
Labor	62.08%	40.85%
Material	<u>37.92%</u>	<u>59.15%</u>
Total Cost	100.00%	100.00%
Raw Material	41.88%	70.58%
Purchased Equipment	<u>58.12%</u>	<u>29.42%</u>
	100.00%	100.00%

(1) Airframe factors were obtained from a sample of 15 CIR reports representing the AH-1, CH-47, CH-54, OH-6, and OH-58 aircraft systems.

(2) Engine factors were obtained from a sample of 14 CIR reports representing 11 different turbine engine configurations procured from Lycoming, Allison, General Electric, and Pratt & Whitney.

*As adjusted by Labor and Material price movements.

** From HISTORICAL INFLATION INDICES FOR ARMY AIRCRAFT
U.S. Army Aviation Systems Command, St. Louis, 1974,
p. 11.

TECHNICAL SECTION

IV. ANALYSIS: (TECHNICAL SECTION).

A. Chronology. Previous efforts related to the development of inflation indices include Aerospace Price Indexes by H.G. Campbell, RAND Corporation, December 1970 (Reference 1) and two Cost Research Reports: Historical Inflation Indices for Army Aircraft, Cost Analysis Division, Office of the Comptroller, US Army Aviation Systems Command, September 1973 (Reference 4), and Historical Inflation Indices for Army Aircraft, Cost Analysis Division, Office of the Comptroller, US Army Aviation Systems Command, August 1974 (Reference 5).

1. Characteristics of the RAND Report.

a. Specific Producer Prices and Price Indexes (Reference 8) and Employment and Earnings (Reference 2) data have been selected as proxy series for similar commodity and labor categories experienced in the procurement of Army aircraft. Aircraft inflation indices are constructed from a weighted average of these proxy series. The weighting factors for this average are derived from estimates of the relative contribution to the total aircraft cost made by each component (commodity or industry labor group) comprising the index. The index is thus a "cost-weighted" series.

b. A 2 1/2 percent compounded annual rate for growth of overhead ratios is assumed.

c. No adjustment is made for productivity increases.

d. Indices are developed on a Calendar Year basis.

2. Characteristics of the September 1973 Cost Research Report.

a. As with the RAND Report, aircraft inflation indices have been constructed from a weighted average of Producer Prices and Price Indexes and Employment and Earnings data selected as proxy series for their similarity to those commodities and labor categories experienced in the procurement of Army aircraft. Weighting factors are proportional to the relative physical weights or masses, rather than the relative costs (as in the RAND Report), of commodities comprising the "composite material" portion of the index. Thus, the "composite material" portion of the index represents a "weight-weighted" series.

b. Like the RAND Report, a 2½ percent annual growth in the overhead ratio is assumed.

c. No adjustment is made for productivity increases.

d. Indices are developed on a Calendar Year basis.

e. For years for which certain specified Producer Price Indexes were unavailable, data has been projected from adjacent years.

3. Characteristics of the August 1974 Research Report.

a. As before, Producer Prices and Price Indexes and Employment and Earnings data have been selected as proxy series most similar to those commodities and labor categories experienced in the procurement of Army aircraft. The indices have been constructed from a weighted average of these proxy series utilizing the weighting factors used in the September 1973 Cost Research Report. The "composite material" portion of the index represents a "weight-weighted" series.

b. Unlike RAND and the September 1973 Cost Research Report, no adjustment for overhead growth is assumed.

c. No adjustment for productivity increases is assumed.

d. Indices have been extended to FY 1974 by assuming that data for the September 1973 Cost Research Report represented December and hence the Fiscal Year midpoint, rather than the annual average, of each calendar year.

e. For years for which certain specified Producer Price Indexes were unavailable, data has been projected from adjacent years.

B. Data Sources. Data sources for this report are Producer Prices and Price Indexes (reference 8) and Employment and Earnings (reference 2). To insure that the latest revisions were incorporated into the data base, data was obtained from the Bureau of Labor Statistics Information Center, and Annual Supplements to the Producer Prices and Price Indexes. For Employment and Earnings, data for any given month was obtained from the latest available source. Data used in this report are displayed in Appendices D, E, G, and H.

C. Methodology.

1. Overhead and Productivity Adjustments. On the basis of data covering a ten year period, the RAND Report concluded that there exists a secular growth trend of 2 1/2 percent per year in the production overhead rate. The report also concludes that there has been little, if any, improvement in productivity to counteract the observed trend in overhead growth. This conclusion appears to

be unwarranted, particularly in light of productivity gains recorded (as measured by Industrial Production Indices) for similar sectors of industry. Thus, in order not to unduly bias the results of the analysis, this report makes no adjustment for either overhead growth or improvements in productivity.

2. Revision of Weighting Factors. From a number of Cost Information Reports, the following weighting factors were developed and reported in the September 1973 Cost Research Report. For the Airframe:

(.378) Raw Material + (.622) Labor 3723,9 (3728)
= Purchased Equipment

(.582) Purchased Equipment + (.418) Raw Material
= Total Material

(.378) Total Material + (.622) Labor 3721 = Total Airframe

For the Engine:

(.599) Raw Material + (.401) Labor 3723,9 (3728)
= Purchased Equipment

(.295) Purchased Equipment + (.705) Raw Material
= Total Material

(.599) Total Material + (.401) Labor 3722 (3724)
= Total Engines

And for Avionics:

(.315) Material + (.685) Labor 3674,9 (367x) = Total Avionics

In the previously published indices, the weighting factors used to develop the material portion of the indices were made proportional to the relative physical weights of the various commodities used in the construction of the aircraft. The material portion of these indices thus represent a "weight-

weighted" series. In order to be consistent with the intended purposes of an inflation index, the methodology in this program uses index weighting factors proportional to the numerical products obtained from multiplying the relative physical commodity weights by the appropriate base year cost per pound. This yields a "cost-weighted" index giving more weight to such expensive commodities as titanium. Unfortunately, however, price per pound data are not published in Producer Prices and Price Indexes for each of the commodities used in constructing the indices. To overcome this difficulty, the per pound price is estimated from the available data of the most closely related commodities. To minimize the effect from related commodities which have relatively little economic impact, each price per pound estimate has been developed from a weighted average of available data utilizing the Bureau of Labor Statistics 1975 revised relative weights published in the 1975 Annual Supplement to Producer (Formerly Wholesale) Prices and Price Indexes. The available data then constitutes a weighted sample from which a surrogate price per pound is computed for the Producer Price series in question. See Appendix A for the Computations for the Derivation of these Revised Weighting Factors, along with their associated cost contribution per pound.

3. Construction of Indices.

a. Calendar Year 1967 has been taken as the base of these indices because this year represents the approximate midpoint of the period (1958-1981) for which the data supports the develop-

ment of each of the indices, including those which account for avionics. Furthermore, 1967 conforms to the base used by the Bureau of Labor Statistics for Producer Price Indexes.

b. Appendix B contains the current Producer Price Index series, Earnings series, and the associated weighting factors used in the construction of the indices published in this report. Since some of these series have been in existence for only a limited time, other closely related series have been substituted with appropriate mathematical adjustments to insure continuity of the indices. This technique is considered preferable to the synthesis of data by projection from adjacent years. Appendix C depicts the historical flow and identifies the effective dates of series conversions, for the Producer Price Index and Earnings data used in the development of the indices published in this report.

c. The term "aggregate" has been selected to indicate inflation indices applicable to the combined Airframe and Engine (aggregate Air Vehicle Excluding Avionics) and to the combined Airframe, Engine, and Avionics (Aggregate Air Vehicle Including Avionics) to avoid confusion with the term "composite" as in "composite escalation indices". Aggregate indices are based upon a standard 70-20-10 weighting (see Reference 6) of the Airframe, Engine and Avionics Indices respectively. Aggregate indices are intended for the adjustment of historical cost data for which the distribution of costs for the Airframe, Engine, and Avionics components is unavailable.

d. A new section depicting the raw material portion of

the inflation indices is published as Appendix I. It is intended for applications requiring greater accuracy. Appropriate labor indices can be obtained from the Bureau of Labor Statistics Employment and Earnings series (Reference 2) as follows:

<u>Labor Category</u>	<u>1967 SIC Code</u>	<u>1972 SIC Code</u>	<u>Industry</u>
Airframe Contractor	3721	3721	Aircraft
Airframe Subcontractor	3723,9	3728	Other aircraft part & equipment
Engine Contractor	3722	3724	Aircraft engines & engine parts
Engine Subcontractor	3723,9	3728	Other aircraft parts & equipment
Avionics	3674,9	367X	Other electronic components
Aggregate Air Vehicle Excluding Avionics	372	372	Aircraft and parts

e. The basic Computational Methodology is as follows :

(1) For Components: Airframe, Engine, and Avionics.

(a) Calendar Year indices are computed using sum of weighted calendar year labor and material indices.

(b) Fiscal Year indices are computed in a manner similar to Calendar Year, but the yearly fiscal averages are generated from the monthly data.

(c) Quarterly indices are computed by averaging three months data from the monthly data set.

(d) Monthly indices are computed by direct calculation using monthly data. It is a weighted average of monthly figures computed using the same methodology as in computing the Calendar

Year indices.

For additional information, see Appendix B.

(2) Aircraft System Cost

The inflation indices for "Aggregate Vehicle" and "Aggregate Vehicle without Avionics" are produced by combining the three separate indices:

<u>Component</u>	<u>Relative Weight</u>
Airframe Index	70%
Engine Index	20%
Avionics Index	10%
Aggregate Vehicle	100%

<u>Component</u>	<u>Relative Weight w/o Avionics</u>
Airframe Index	78%
Engine Index	22%
Aggregate Vehicle without Avionics	100%

b. Reduced form equations are displayed in Appendix B, page B-3.

$$\begin{array}{l} (.7) \div (.2 + .7) = .78 \\ (.2) \div (.2 + .7) = .22 \\ \hline 1.00 \end{array}$$

V. DESCRIPTION OF COMPUTER PROGRAM AND ASSOCIATED APPENDICES.

The Historical Inflation Program is a computer program used to generate historical inflation indices for Army aircraft and their major subsystems. Appendices D and G contain the annual data used by the program, while the monthly data, commencing July 1967, are in Appendices E and H. Producer Price Index and Earnings data in these Appendices have been arrayed into columns with the same numerical code sequence used in Appendix B. Historical inflation indices and factors are published in Appendix F. Fiscal Year, quarterly, and monthly indices have been developed from the appropriate monthly data. A section containing the raw material portion only of these indices is published as Appendix I. The labor portion of these indices may be obtained by applying the methodology described on page B-2, bottom of page, to the data contained in Appendices D and E.

VI. SENSITIVITY ANALYSIS

Many considerations are important when constructing Historical Indices for tracking purposes. These certainly include the following:

- a. The nature of the items chosen to comprise the index.
 - (1) How typical or representative the items are.
 - (2) How closely the proxy items approximate the actual items, if indices for the actual items are not obtainable.
 - (3) The number of items used, and the detail in the analysis which produced the indices.
- b. The determination of the percent contribution to cost - "Cost Drivers".
- c. The weighting factors employed in the overall analysis.

A difficult problem confronting cost analysts, who must determine the validity of an historical index for tracking purposes, relates to aggregate labor/material weighting factors. In tracking major weapons systems, the ratio is often stated as say 40/60 - that is 40 percent material and 60 percent labor - as percent contributions to cost. Because it is difficult for analysts to determine the "correct" aggregate mix of labor and material, being external to the project, the aggregate split is certainly of interest.

The value for any index depends on three factors:

- a. The number of factors employed, and the quality and depth of the analysis.
- b. The values for each component of cost used in the construction of the index.
- c. The weights, or levels of importance, given to the factors, individually and collectively.

The objective of this sensitivity analysis is to shed some light on the way in which the aggregate labor/material split affects the index, which has been a controversial issue for some time. Using a set of recursive linear equations, the effect on the historical inflation index, for airframe resulting from varying the aggregate weighting scheme was calculated, in both raw and percentage terms. The calculations were made using a Wang system 2200 minicomputer, and a sample printout follows. The results provide evidence that the key to a successful index resides in item (1), the number of factors employed, and the quality and detail in the analysis used in preparing the index. Because wages are often tied to the Producer Price Index, or other price indices, in labor agreements, it is not surprising that aggregate weighting percentages for labor and material might not be an extremely sensitive issue. However, the calculations provide strong support

for the position that the identification of cost components and the depth and quality of detail in an analysis are of paramount importance, when developing an index to be used in controlling the cost of a major weapon system.

***** S E N S I T I V I T Y A N A L Y S I S *****

(SENSITIVITY OF AIRFRAME INDEX TO CHANGES IN GROSS WEIGHTING FACTORS)

EXAMPLE USING CALENDAR YEAR 1978

*** DATA ***

GROSS MATL	GROSS LABOR	PURE MATL	PURE LABOR	NEW INDX	CURR INDX	PERCENT CHANGE
175	6220	2411	7588	2.1471	2.1470	0.00
200	.8000	1068	.8931	2.1659	2.1470	0.88
250	.7500	1408	.8591	2.1611	2.1470	0.66
300	.7000	1777	.8222	2.1559	2.1470	0.41
350	.6500	.2175	.7824	2.1504	2.1470	0.15
.400	.6000	.2603	.7396	2.1444	2.1470	- 0.12
450	5500	.3059	.6940	2.1380	2.1470	- 0.41
500	.5000	.3545	.6455	2.1312	2.1470	- 0.73
.550	4500	.4059	.5940	2.1239	2.1470	- 1.07
600	.4000	4603	.5396	2.1163	2.1470	- 1.42
650	3500	.5175	.4824	2.1083	2.1470	- 1.80
700	3000	.5777	.4222	2.0998	2.1470	- 2.19
750	.2500	6408	.3591	2.0910	2.1470	- 2.60
.800	.2000	.7068	.2931	2.0817	2.1470	- 3.03

SIC 3721 - 7.700 SIC 3723.9 - 6.920 NEW MAT IND = 4920

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3. Field Manual 101-20, Army Aviation Planning Manual, Washington D.C.: Headquarters, Dept of the Army, January 1979.
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5. Historical Inflation Indices for Army Aircraft. St. Louis, MO: US Army Aviation Systems Command, Office of the Comptroller, Cost Analysis Division, August 1974.
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7. Memorandum, subject: Material Composition Analysis of US Army Helicopters. St. Louis, MO: US Army Aviation Systems Command, Office of the Comptroller, Cost Analysis Division, 31 July 1973.
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New York, NY: McGraw-Hill Book Company, 1969.
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International Monetary Fund, Monthly.
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U.S. Army Materiel Development & Readiness Command,
Office of the Comptroller, Cost Analysis Division,
22 Feb 1982.
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Washington, DC: US Department of Commerce, Bureau
of Economic Analysis, June 1975.

APPENDIX A
COMPUTATIONS FOR THE DERIVATION
OF REVISED WEIGHTING FACTORS
FOR THE HISTORICAL INFLATION PROGRAM

COMPUTATIONS FOR THE DERIVATION OF
REVISED WEIGHTING FACTORS
FOR THE HISTORICAL INFLATION PROGRAM

<u>PPI CODE</u>	<u>Commodity¹</u>	<u>1967 Price Per Pound</u>	<u>Weight²</u>	<u>Product³</u>	<u>Weighted⁴ 1967 Price Per Pound</u>
07	<u>RUBBER AND PLASTIC PRODUCTS</u>				.2376
07 11 01 01	Latex	.2642	.006	.001585	
02	No. 1 Ribbed Smoked Sheets	.1992	.009	.001793	
03	No. 2 Ribbed Smoked Sheets	.1951	.021	.004097	
04	No. 3 Amber Blanket	.1820	.021	.003822	
02 11	Butyl, Regular	.25	.012	.003	
12	Neoprene, GN Type	.41	.020	.008199	
13	Styrene Butadiene, Hot	.2224	.021	.004671	
15	Polybutadiene, Non-Staining	.2476	.009	.002228	
03 21	Whole Tire Reclaim	.113	.003	.001017	
			.128	.030412	
10 13 02 52	<u>SHEETS, C.R., CARBON</u>	.0737			.0737
10 13 02 64	<u>SHEETS, C.R., STAINLESS</u>	.5531			.5531
10 15 01 41	<u>STEEL CASTINGS *</u>				
10 15 01 53	<u>CLOSED DIE FORGINGS **</u>				
10 15 01 11	Ingot Molds	.0497			.0497
10 22 01 11	<u>LEAD, PIG, COMMON</u>	.14			.14
10 22 01 51	<u>MAGNESIUM, PIG INGOT</u>	.3595			.3595
10 25 01 01	<u>ALUMINUM SHEET</u>	.4185			.4185

* 10 15 06 21 High Alloy Inv. Castings, after June 1981.

** 10 15 11 51 Closed Die Forgings, C.S., after June 1981.

<u>PPI CODE</u>	<u>Commodity</u> ¹	<u>1967 Price</u> <u>Per Pound</u>	<u>Weight</u> ²	<u>Product</u> ³	<u>Weighted</u> ⁴ <u>1967 Price</u> <u>Per Pound</u>
10 25 01 13	<u>ROD, SCREW, MACHINE STOCK</u>	.6315			.6315
10 25 01 17	<u>EXTRUSION, SOLID CIRCLE SIZE 4 TO 5</u>				
10 25 01 13	Rod, Screw, Machine Stock	.6315			.6315
10 25 02	<u>COPPER AND BRASS MILL SHAPES</u>				.6216
31	Cartridge Brass Strip, 70-30 Alloy	.6033	.121	.073	
32	Yellow Brass Rod (62-35-3 Alloy)	.4602	.082	.03774	
33	Yellow Brass Tube (70-30 Alloy)	.7841	.048	.03764	
55	Copper Sheet or Strip	.6924	.108	.07478	
			.359	.22316	
10 25 04 63	<u>MONEL SHEET, CR 400 ALLOY</u>	1.3752			1.3752
10 25 05	<u>TITANIUM MILL SHAPES</u> ⁵				5.2926
25	Titanium Bar, Ground, 6AL-AV	5.2926			

NOTES: 1. Capitalized and Underlined Commodity Titles indicate PPI Series actually used in the Historical Inflation Program.

2. Weight is Bureau of Labor Statistics Revised Relative Weight for the Wholesale Price Index. Source: 1975 Annual Supplement to Producer Prices and Price Indexes.

3. Product = (1967 Price Per Pound) x (Weight).

4. Weighted 1967 Price Per Pound = $\frac{\text{Product}}{\text{Weight}}$

NOTES (Continued):

5. 1967 Titanium Bar Price Per Pound computed by utilizing Titanium Sponge index as surrogate for 1967 - Dec 1970. Titanium Mill Shapes index established December 1970. Titanium Sponge index for December 1970 is 95.5.

Figures may not sum due to rounding.

COMPUTATIONS FOR THE DERIVATION OF
REVISED WEIGHTING FACTORS
FOR THE HISTORICAL INFLATION PROGRAM

PPI Code	Commodity	contrib. to weight Airframe	contrib. to weight Engine	1967 COST Per Pound	contr. to cost per lb. Airframe	contr. to cost per lb. Engine	contr. to cost Weighting factors	contr. to cost Weighting factors
37	Rubber and Plastic Products	.17	.012	.2376	.04039	.00285	.0211	.0023
10 13 02 52	Sheets, C.R. Carbon	.055	.584	.0737	.00405	.32301	.0021	.2625
10 13 02 64	Sheets, C.R., Stainless	.22	.146	.5531	.01093	.00725	.0057	.0059
10 15 01 41	Steel Castings	.01	.077	.0497	.0014	.0062	.0007	.0225
10 15 01 53	Closed Die Forgings	.033	.021	.14	.01186	.00879	.0062	.0071
10 22 01 11	Lead, Pig, Common	.256	.004	.3595	.02715	.00253	.0142	.0021
10 22 01 51	Magnesium, Pig Ingot	.043	.01	.4185	.08083	.00632	.0422	.0051
10 25 01 01	Aluminum Sheet	.128	.005	.6315	.03046	.00311	.0159	.0025
10 25 01 13	Rod, Screw, Machine Stock	.049	.122	.6216	.01513	.16777	.0079	.1364
10 25 01 17	Extrusion, Solid Circle Size 4 to 5	.011	.019	.0497	.13231	.10056	.0691	.0817
10 25 02	Copper and Brass Mill Shapes	.025	1.000	5.2926	.46167	.64986	.2411	.5281
10 25 04 63	Monel Sheet, CR 400 Alloy							
10 25 05	Titanium Mill Shapes							

NOTE:

Revised Weighting Factors Proportional to Cost Contribution Per Pound.

Previous Weighting Factors expressed as a proportion of "Composite Material" index.

Revised Weighting Factors expressed as a proportion of the total index.

Previous Technical Report (TR 76-1) omitted nickel component (represented by Monel Sheet) from Engine index.

COMPUTATIONAL
FORMULA

$$\left[\begin{array}{c} \text{CONTRIBUTION TO WEIGHT :} \\ \text{PREVIOUS WEIGHTING FACTORS} \end{array} \right] \times \left[\begin{array}{c} \text{1967 COST} \\ \text{PER LB.} \end{array} \right] \times \left[\begin{array}{c} \text{ADJUSTMENT FACTOR} \\ \text{FOR} \\ \text{(RELATIVE IMPORTANCE} \\ \text{OF MATERIAL (RAW)} \\ \text{IN OVERALL INDEX)} \end{array} \right] = \begin{array}{c} \text{AIRFRAME \& ENGINE} \\ \text{WEIGHTING FACTORS} \end{array}$$

APPENDIX B
WHOLESALE PRICE INDEXES AND EARNINGS SERIES
USED IN
HISTORICAL INFLATION PROGRAM
WITH REVISED WEIGHTING FACTORS

PRODUCER PRICE INDEXES AND EARNINGS SERIES
USED IN HISTORICAL INFLATION PROGRAM AND
REVISED WEIGHTING FACTORS

<u>Var</u>	<u>PPI Code</u>	<u>Commodity</u>	<u>Airframe</u>	<u>Engine</u>	<u>Avionics</u>	<u>Remarks</u>
(1)	07	Rubber and Plastic Products	.0211	.0023		
(2)	10 13 02 62	Sheets, C.R., Carbon	.0021			
(3)	10 13 02 64	Sheets, C.R., Stainless		.2625		
(4)	10 15 01 41 (0621)	Steel Castings	.0057			
(5)	10 15 01 53 (1151)	Closed Die Forgings		.0059		
(6)	10 22 01 11	Lead, Pig, Common	.0007			
(7)	10 22 01 51	Magnesium, Pig Ingot	.0062	.0225		
(8)	10 25 01 01	Aluminum Sheet	.0560	.0071		
(9)	10 25 01 13	Rod, Screw, Machine Stock	.0142	.0021		
(10)	10 25 01 17	Extrusion, Solid Circle Size 4 to 5	.0422	.0051		
(11)	10 25 02	Copper and Brass Mill Shapes	.0159	.0025		
(12)	10 25 04 63	Monel Sheet, CR 400 Alloy **	.0079	.1364		
(13)	10 25 05	Titanium Mill Shapes	.0691	.0817		
(14)	11 78	Electronic Components			.3150	
	<u>SIC Code</u>	<u>Industry</u>				
(15)	3674,9 (367X)	Other Electronic Components			.6850	
(16)	3721	Aircraft	.6220			
(17)	3722 (3724)	Aircraft Engines and Engine Parts		.4010		
(18)	3723,9 (3728)	Other Aircraft Parts and Equipment	.1369	.0709		
			1.0000	1.0000	1.0000	

COMPUTATIONAL FORMULAS : Labor Cost Indexes

The data concerning cost of labor services is supplied by the Bureau of Labor Statistics, as hourly wage rates by Standard Industry Codes, and is reported on a regular basis in Employment and Earnings. Because the material indices are percentages, and wages are expressed in dollars/hour, labor cost must be converted to a percentage (index) before calculations can be made. The dollar to percentage conversions for the labor categories are

made as follows:

	<u>SIC Code</u>	<u>Industry</u>	<u>1967</u> <u>Hr. Wage</u>	
(15)	3674,9 *(367X)	Other Electronic Components	Current Hr. Wage	$\div$ 2.34 X 100% = INDEX
(16)	3721	Aircraft Production Workers	Current Hr. Wage	$\div$ 3.49 X 100% = INDEX
(17)	3722 *(3724)	Aircraft Engines and Engine Parts.	Current Hr. Wage	$\div$ 3.42 X 100% = INDEX
(18)	3723,9 *(3728)	Other Aircraft Parts and Equipment.	Current Hr. Wage	$\div$ 3.35 X 100% = INDEX

* After Cy 78, Bracketed Code Replaces Code Directly Above It.

REDUCED FORM EQUATION

$$\begin{aligned} \text{Airframe} = & .0211 (V-1) + .0021 (V-2) + .0057 (V-4) + .0007 (V-6) \\ & + .0062 (V-7) + .056 (V-8) + .0142 (V-9) + .0422 (V-10) \\ & + .0159 (V-11) + .0079 (V-12) + .0660 (V-13) + .622 (V-16) (100/3.49) \\ & + .1369 (V-18) (100/3.35) \end{aligned}$$

$$\begin{aligned} \text{Engine} = & .0023 (V-1) + .2625 (V-3) + .0059 (V-5) + .0225 (V-7) \\ & + .0071 (V-8) + .0021 (V-9) + .0051 (V-10) + .0025 (V-11) \\ & + .1364 (V-12) + .0817 (V-13) + .401 (V-17) (100/3.42) \\ & + .0709 (V-18) (100/3.35) \end{aligned}$$

$$\text{Avionics} = .3150 (V-14) + .6850 (V-15) (100/2.34)$$

Variables (V-1) thru (V-18)
are defined on page B-2

DATA/DEVELOPMENT

- (1) Calendar Year Data - As given on printout.
- (2) Monthly Data - As specified on printout.
- (3) Quarterly Data - Development from Monthly.

$$\text{Quarterly} = [(Month_{T-1}) + (Month_T) + (Month_{T+1})] / 3$$
- (4) Fiscal Year Data - Developed using appropriate quarterly data.

$$\text{Fiscal Year Average} = \frac{Q_1 + Q_2 + Q_3 + Q_4}{4}$$

(Quarters of Fiscal Year)

Variables specified on preceding chart.

APPENDIX C

HISTORICAL FLOW OF WHOLESALE PRICE INDEXES AND EARNINGS SERIES USED IN HISTORICAL INFLATION PROGRAM WITH REVISED WEIGHTING FACTORS

**Historical Flow of Producer Price Indexes
and Earnings Series Used in Historical
Inflation Program**

Index	Calendar Year	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	PPI Code
Rubber and Plastic Products																																					07
Metals and Metal Products																																					10
Steel Sheets																																					10 13 02 62
Stainless Steel Sheets																																					10 13 02 64
Steel Castings																																					10 15 01 41(0621)
Alloy Steel Forgings																																					10 15 01 53(1151)
Lead																																					10 22 01 11
Magnesium Ingot																																					10 22 01 51
Titanium Sponge																																					10 22 01 56
Aluminum Shapes																																					10 25 01 01
Aluminum Sheet																																					10 25 01 13
Aluminum Rod																																					10 25 01 17
Aluminum Extrusion																																					10 25 02
Copper and Brass Mill Shapes																																					10 25 04 63
Monel Sheet																																					10 25 05
Titanium Mill Sheets																																					11
Machinery and Equipment																																					11 7
Electrical Machinery and Equipment																																					11 7a
Electronic Components																																					
Electronic Components																																					3674,9 (367X1)
Aircraft and Parts																																					372
Aircraft																																					3721
Aircraft Engines																																					3722
Other Aircraft																																					3723,9 (3728)

APPENDIX D

ANNUAL DATA FOR THE HISTORICAL INFLATION PROGRAM FOR U. S.
ARMY ROTARY WING AIRCRAFT

171
90
81

.....
CALENDAR YEAR DATA
.....
.....
P R E - 1 9 5 8
.....

CY	PPI-97	PPI-10	PPI-11
	-----	-----	-----
1947	70.50	54.90	1.372
1948	72.80	62.50	1.427
1949	70.50	63.00	1.567
1950	85.90	66.10	1.637
1951	105.40	71.50	1.757
1952	95.50	73.90	1.850
1953	89.10	76.30	1.890
1954	90.40	76.90	2.070
1955	102.40	82.10	2.160
1956	103.80	89.20	2.270
1957	103.40	91.00	2.350

CALCULATED YEAR DATA

CY	1	2	3	4	5	MATERIALS								LABOR					
						6	7	8	9	10	11	12	13	14	15	16	17	18	
007X	130242	130244	130246	130248	130250	220111	220151	250111	250113	250117	250462	25053X	1178XX	ELECT	ACFT ENG	074ER			
RUEGER CR STL	CAST	FORGE	LEAD	WAGNET	ALUMN	SC. STM	EXTRA	CR/DRS	WAGNET	TI. 41L	ELECT	367X	3721	3724	3729				

1958	103.30	93.10	125.70	91.20	91.20	86.70	130.00	107.60	107.60	107.60	74.10	70.00	140.10	99.90	1.71	2.51	2.51	2.44
1959	102.90	94.70	121.50	91.10	91.10	87.20	130.00	106.00	106.00	106.00	80.00	70.00	132.40	99.50	1.77	2.64	2.64	2.55
1960	101.10	94.70	120.20	94.00	94.00	85.20	130.00	110.00	110.00	110.00	81.70	87.20	117.90	98.20	1.86	2.71	2.71	2.64
1961	99.20	94.70	118.60	97.00	97.00	77.40	130.00	111.30	111.30	111.30	75.70	87.40	106.10	98.20	1.93	2.78	2.78	2.70
1962	96.30	94.70	115.40	97.00	97.00	68.70	130.00	108.70	108.70	108.70	73.40	91.40	101.00	96.70	1.97	2.87	2.87	2.80
1963	96.20	96.40	107.00	97.00	97.00	79.50	130.00	102.90	102.90	102.90	75.40	91.40	97.30	95.70	2.01	2.95	2.95	2.89
1964	95.50	98.00	94.40	97.10	97.10	97.00	130.00	101.40	101.40	101.40	76.50	90.60	97.30	95.10	2.09	1.00	3.09	2.98
1965	95.90	98.00	91.40	98.10	98.10	94.10	130.00	99.40	99.40	99.40	88.10	90.00	98.80	95.10	2.11	3.15	3.17	3.08
1966	97.50	98.80	91.60	99.00	99.00	97.90	107.20	100.00	98.50	98.50	97.00	94.20	100.00	97.70	2.21	3.34	3.32	3.21
1967	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	107.90	100.00	100.00	100.00	2.34	3.49	3.47	3.35
1968	103.40	104.70	103.10	105.70	102.00	94.50	100.00	102.40	95.60	102.40	107.30	105.20	99.10	99.20	2.49	3.64	3.65	3.58
1969	105.30	109.50	112.50	113.40	103.10	106.50	100.00	109.70	91.00	112.00	119.20	112.20	98.00	100.70	2.61	3.90	3.87	3.76
1970	106.30	116.40	130.90	119.40	117.10	112.10	100.00	110.60	93.40	120.60	130.60	132.10	95.50	131.60	2.78	4.17	4.10	3.99
1971	109.10	123.40	135.00	125.30	122.10	92.50	102.70	106.70	93.40	121.40	116.60	135.70	102.90	102.40	2.91	4.36	4.36	4.15
1972	109.30	133.50	126.40	129.00	130.50	105.50	103.60	104.40	93.50	123.20	124.50	140.40	107.00	103.40	3.02	4.74	4.74	4.37
1973	112.40	135.30	122.10	132.20	136.90	117.00	106.40	105.20	93.40	125.10	141.70	148.20	109.20	104.40	3.16	5.13	5.05	4.66
1974	136.20	167.60	157.10	163.90	161.80	155.10	173.20	136.40	126.60	150.90	182.70	173.50	132.40	111.40	3.39	5.57	5.43	5.03
1975	150.20	189.30	165.30	196.80	191.90	154.00	226.10	152.60	145.40	167.00	149.90	219.60	168.80	115.50	3.75	6.19	6.03	5.52
1976	150.20	205.00	168.60	216.10	215.20	163.40	249.90	175.30	153.50	182.90	163.90	241.50	171.80	115.80	3.97	6.62	6.52	5.96
1977	167.60	230.60	197.10	234.40	230.40	215.10	270.60	200.80	168.50	211.50	166.40	249.10	170.20	119.50	4.38	7.07	7.05	6.42
1978	174.80	295.90	197.40	257.30	264.50	240.90	279.10	235.40	174.20	231.10	171.60	263.40	173.10	126.90	4.90	7.70	7.80	6.93
1979	194.30	282.20	218.80	291.90	297.80	278.30	274.90	245.20	191.60	255.10	216.30	318.40	211.40	135.80	5.36	8.50	8.53	7.48
1980	217.40	296.60	227.10	327.80	337.60	310.70	324.10	268.90	205.30	289.60	232.00	389.60	293.40	156.30	6.06	9.67	9.42	8.39

APPENDIX E

MONTHLY DATA FOR THE HISTORICAL INFLATION PROGRAM :

Y C 3 T H L Y L A

L200R																	
MATERIALS																	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
607X	130262	130264	1506XX	150151	250161	250113	250117	120502	250543	2505XX	1178XX	14	15	16	17	18	19
PURER	CR	SFL	STALS	CST	LEAS	WAGNES	ALUMIN	SC-5TK	ENTRO	GP/3PS	MCVEL	TI-WIL	ELECT	157V	1721	3726	5728
109.40	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.70	127.40	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.50	127.00	134.10	125.00	125.00	101.50	100.80	108.50	92.40	121.50	119.50	140.4	103.70	102.50	2.50	4.41	4.41	3.18
109.5																	

M 3 N I H L Y - E A I A

CY/NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CY/NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CY/NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CY/NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CY/NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CY/NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CY/NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CY/NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CY/NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CY/NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CY/NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CY/NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CY/NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CY/NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CY/NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CY/NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CY/NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CY/NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59																																									

U S I H L Y D A T A

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APPENDIX F

HISTORICAL INFLATION INDICES :

HISTORICAL INFLATION PRE-1953 INDICES

AGGREGATE AIR VEHICLE EXCLUDING AVIONICS

INDEX	FACTOR
CY67=	FY61=
100.0	1.0000
---	---
43.1	5.9119
54.2	5.4139
58.9	5.2655
58.9	4.3552
44.9	4.5271
67.0	4.1351
50.2	4.2193
71.6	4.0398
75.6	3.8465
70.4	3.5521
52.7	3.3517

ENGINE PRODUCTION

INDEX	FACTOR
CY67=	FY61=
100.0	1.0000
---	---
55.2	5.2791
61.9	4.7192
53.1	4.6164
55.4	4.3294
73.1	3.6735
79.9	3.5904
77.3	3.7432
79.1	3.5725
54.0	3.4574
92.2	3.2294
92.3	3.1198

AIRFRAME PRODUCTION

INDEX	FACTOR
CY67=	FY61=
100.0	1.0000
---	---
47.3	6.2188
52.1	5.5502
53.6	5.4705
56.5	5.1055
62.4	4.7112
64.7	4.5557
67.5	4.3630
69.4	4.2234
73.1	4.0231
77.6	3.7924
79.8	3.6046

47
48
49
50
51
52
53
54
55
56
57

HISTORICAL INFLATION
CALENDAR YEAR INDICES

AIRFRAME PRODUCTION			ENGINE PRODUCTION			AVIONICS PRODUCTION			AGGREGATE AIR VEHICLE EXCLUDING AVIONICS			AGGREGATE AIR VEHICLE INCLUDING AVIONICS		
INDEX	FACTOR	FY81=	INDEX	FACTOR	FY81=	INDEX	FACTOR	FY81=	INDEX	FACTOR	FY81=	INDEX	FACTOR	FY81=
CY67=			CY67=			CY67=			CY67=			CY67=		
100.0	1.0000	1.0000	100.0	1.0000	1.0000	100.0	1.0000	1.0000	100.0	1.0000	1.0000	100.0	1.0000	1.0000
82.4	1.5700	94.2	94.2	3.0935	81.5	81.5	2.9739	3.4327	84.7	3.4327	3.4037	84.7	3.4037	3.4037
83.1	1.5335	92.6	92.6	3.1447	83.2	83.2	2.9155	3.4399	85.1	3.4399	3.3367	85.1	3.3367	3.3367
85.3	1.4510	93.5	93.5	3.0496	85.4	85.4	2.8396	3.3537	87.3	3.3537	3.3034	87.3	3.3034	3.3034
85.9	1.4230	95.6	95.6	3.0455	87.4	87.4	2.7730	3.3320	88.1	3.3320	3.2765	88.1	3.2765	3.2765
87.1	1.3774	95.9	95.9	3.0386	88.1	88.1	2.7511	3.2964	89.0	3.2964	3.2423	89.0	3.2423	3.2423
88.0	1.3428	94.4	94.4	3.0857	89.0	89.0	2.7246	3.2825	89.4	3.2825	3.2270	89.4	3.2270	3.2270
89.2	1.2957	92.3	92.3	3.1555	91.1	91.1	2.6602	3.2668	90.9	3.2668	3.2054	90.9	3.2054	3.2054
92.3	1.1876	92.7	92.7	3.1418	92.6	92.6	2.6182	3.1774	92.4	3.1774	3.1214	92.4	3.1214	3.1214
96.3	1.0506	95.5	95.5	3.0505	95.5	95.5	2.5395	3.0504	96.2	3.0504	2.9998	96.2	2.9998	2.9998
100.0	1.0000	100.0	100.0	2.9130	100.0	100.0	2.4245	2.9134	100.0	2.9134	2.8852	100.0	2.8852	2.8852
103.8	1.0352	104.6	104.6	2.7849	104.1	104.1	2.3281	2.8339	104.0	2.8339	2.7743	104.0	2.7743	2.7743
110.4	1.0653	111.1	111.1	2.6209	108.1	108.1	2.2423	2.6561	110.3	2.6561	2.6156	110.3	2.6156	2.6156
116.5	1.0514	121.8	121.8	2.3914	113.2	113.2	2.1419	2.4892	117.5	2.4892	2.4558	117.5	2.4558	2.4558
120.9	1.0433	127.6	127.6	2.2633	117.4	117.4	2.0644	2.4000	121.9	2.4000	2.3677	121.9	2.3677	2.3677
126.9	1.0329	130.7	130.7	2.2282	121.0	121.0	2.0041	2.2706	128.5	2.2706	2.2455	128.5	2.2455	2.2455
137.7	1.0365	135.3	135.3	2.1537	125.4	125.4	1.9336	2.1403	136.0	2.1403	2.1312	136.0	2.1312	2.1312
154.0	1.0112	157.2	157.2	1.8533	134.3	134.3	1.8049	1.8982	152.7	1.8982	1.8900	152.7	1.8900	1.8900
172.0	1.0110	178.1	178.1	1.6354	145.2	145.2	1.6588	1.6938	170.6	1.6938	1.6908	170.6	1.6908	1.6908
184.6	1.0544	189.9	189.9	1.5343	152.7	152.7	1.5878	1.5807	182.5	1.5807	1.5813	182.5	1.5813	1.5813
197.8	1.0476	207.7	207.7	1.4823	164.4	164.4	1.4748	1.4679	196.5	1.4679	1.4685	196.5	1.4685	1.4685
214.8	1.0302	219.4	219.4	1.3279	183.4	183.4	1.3219	1.3605	212.6	1.3605	1.3573	212.6	1.3573	1.3573
237.6	1.0385	246.0	246.0	1.1840	199.7	199.7	1.2142	1.2351	235.5	1.2351	1.2351	235.5	1.2351	1.2351
270.5	1.0861	277.3	277.3	1.0505	226.6	226.6	1.0698	1.0796	267.5	1.0796	1.0787	267.5	1.0787	1.0787

AGGREGATE AIR VEHICLE AGGREGATE AIR VEHICLE
EXCLUDING AVIONICS INCLUDING AVIONICS

	CY	FY	INDEX CY67=	FACTOR FY61=	INDEX CY67=	FACTOR FY61=	INDEX CY67=	FACTOR FY61=	INDEX CY67=	FACTOR FY61=
JUL 67	57	56	99.4	2.4294	100.0	2.4119	99.3	2.4553	100.0	2.4009
AUG 67	67	66	100.0	2.5147	100.0	2.4197	100.0	2.4236	100.0	2.4772
SEP 67	67	66	100.0	2.5217	100.0	2.4212	100.0	2.4918	100.0	2.4772
OCT 67	67	68	101.1	2.4325	101.4	2.4673	101.4	2.4970	101.3	2.4844
NOV 67	67	68	102.1	2.4483	101.4	2.4322	102.1	2.4758	102.1	2.4829
DEC 67	67	68	103.2	2.4631	102.0	2.4725	102.9	2.4854	102.1	2.4858
JAN 68	68	68	103.5	2.4716	102.5	2.4644	102.7	2.4850	102.7	2.4896
FEB 68	68	68	103.5	2.4716	102.5	2.4644	102.7	2.4850	102.7	2.4896
MAR 68	68	68	103.5	2.4716	102.5	2.4644	102.7	2.4850	102.7	2.4896
APR 68	68	68	103.5	2.4716	102.5	2.4644	102.7	2.4850	102.7	2.4896
MAY 68	68	68	103.5	2.4716	102.5	2.4644	102.7	2.4850	102.7	2.4896
JUN 68	68	68	103.5	2.4716	102.5	2.4644	102.7	2.4850	102.7	2.4896
JUL 68	68	69	104.5	2.4834	104.1	2.4834	103.1	2.4846	103.2	2.7945
AUG 68	68	69	105.2	2.4939	104.1	2.4834	103.2	2.4846	103.2	2.7944
SEP 68	68	69	105.3	2.4939	104.7	2.4939	103.2	2.4846	103.2	2.7689
OCT 68	68	69	105.6	2.5093	105.0	2.5093	104.9	2.7997	104.9	2.7507
NOV 68	68	69	106.6	2.5110	105.2	2.5110	105.4	2.7515	106.3	2.7154
DEC 68	68	69	107.3	2.7514	105.9	2.7514	106.7	2.7515	106.5	2.7057
JAN 69	69	69	107.1	2.7195	106.2	2.7195	107.3	2.7369	107.2	2.6921
FEB 69	69	69	108.1	2.7385	106.1	2.7385	107.6	2.7289	107.5	2.6651
MAR 69	69	69	107.5	2.6953	107.4	2.6953	108.8	2.6997	108.6	2.6561
APR 69	69	69	108.2	2.6927	107.4	2.6927	108.7	2.6997	108.6	2.6561
MAY 69	69	69	108.9	2.5947	107.2	2.5947	108.7	2.6997	108.6	2.6575
JUN 69	69	69	108.4	2.6861	106.9	2.6861	109.1	2.6923	108.9	2.6506
AUG 69	69	69	109.0	2.6725	107.5	2.6725	109.2	2.6892	109.1	2.6457
SEP 69	69	69	109.2	2.6417	108.1	2.6417	109.6	2.6892	109.4	2.6370
OCT 69	69	70	110.6	2.6348	108.4	2.6348	109.6	2.6793	109.5	2.6356
NOV 69	69	70	110.6	2.6282	108.7	2.6282	110.0	2.6442	110.4	2.6037
DEC 69	69	70	110.9	2.6262	108.7	2.6262	110.5	2.6442	110.4	2.6134
JAN 70	70	70	110.9	2.6262	109.5	2.6262	110.5	2.6572	110.4	2.6134
FEB 70	70	70	115.5	2.5220	109.2	2.5220	113.0	2.5982	112.6	2.5415
MAR 70	70	70	115.4	2.5251	109.6	2.5251	114.1	2.5732	113.7	2.5483
APR 70	70	70	119.4	2.4387	110.4	2.4387	115.7	2.5387	113.1	2.5058
MAY 70	70	70	120.4	2.4202	111.0	2.4202	116.2	2.5281	115.6	2.4951
JUN 70	70	70	120.4	2.4198	110.9	2.4198	116.2	2.5273	115.7	2.4946
SEP 70	70	70	120.7	2.4139	111.5	2.4139	116.3	2.5273	115.8	2.4910
OCT 70	70	70	120.7	2.4142	111.5	2.4142	116.3	2.5273	116.1	2.4854
NOV 70	70	70	121.1	2.4054	112.5	2.4054	116.5	2.5194	116.1	2.4770
DEC 70	70	70	121.1	2.3970	113.6	2.3970	117.1	2.5115	116.5	2.4770
JAN 71	71	71	121.8	2.3015	114.1	2.3015	117.0	2.5071	116.8	2.4709
FEB 71	71	71	122.2	2.3034	114.4	2.3034	118.9	2.4694	118.5	2.4643
MAR 71	71	71	122.4	2.3796	114.8	2.3796	119.6	2.4544	118.2	2.4214
APR 71	71	71	122.5	2.3595	115.1	2.3595	119.6	2.4502	119.0	2.4170
MAY 71	71	71	123.6	2.3567	115.8	2.3567	120.5	2.4261	120.5	2.3941
JUN 71	71	71	123.9	2.3322	116.7	2.3322	121.0	2.4261	120.9	2.3872
JUL 71	71	71	124.7	2.3342	117.3	2.3342	121.3	2.4203	120.9	2.3872
AUG 71	71	71	124.7	2.3342	117.3	2.3342	121.3	2.4203	120.9	2.3872
SEP 71	71	71	125.1	2.3342	117.3	2.3342	121.3	2.4203	120.9	2.3872
OCT 71	71	71	125.7	2.3166	117.6	2.3166	120.9	2.4248	120.5	2.3695
NOV 71	71	71	125.8	2.3155	117.7	2.3155	121.3	2.4211	120.9	2.3860
DEC 71	71	71	126.5	2.3046	117.6	2.3046	122.3	2.4001	121.9	2.3670
JAN 72	72	72	126.5	2.2673	119.2	2.2673	122.4	2.3987	122.0	2.3560

JUL	71	120.0	2.44	124.7	2.2627	116.7	2.0554	122.4	2.3990	122.0	2.3658
AUG	71	121.2	2.45	124.8	2.2632	118.7	2.0549	122.4	2.3997	122.4	2.3574
SEP	71	121.6	2.42	128.8	2.2623	118.2	2.0520	123.2	2.3834	122.7	2.3515
OCT	71	122.1	2.41	129.2	2.2547	117.6	2.0735	123.5	2.3748	123.7	2.3461
NOV	71	122.7	2.39	129.5	2.2492	117.7	2.0686	124.2	2.3640	123.5	2.3359
DEC	71	123.2	2.43	130.4	2.2431	118.3	2.0435	124.4	2.3525	124.2	2.3236
JAN	72	122.6	2.43	130.1	2.2384	114.5	2.0350	124.1	2.3352	123.7	2.3315
FEB	72	125.4	2.34	131.0	2.2341	119.3	2.0316	126.8	2.3157	126.1	2.2891
MAR	72	126.6	2.32	131.5	2.2214	120.1	2.0187	127.5	2.2965	127.1	2.2733
APR	72	128.2	2.28	131.7	2.2113	119.7	2.0247	129.4	2.2827	128.3	2.2454
MAY	72	128.6	2.28	132.5	2.1979	120.5	2.0107	129.5	2.2677	128.4	2.2436
JUN	72	127.5	2.25	124.1	2.2174	121.1	2.0115	128.3	2.2853	127.3	2.2554
JUL	72	127.1	2.25	124.1	2.2151	121.1	1.9951	127.4	2.2549	126.2	2.2754
AUG	72	128.2	2.27	124.6	2.2052	121.4	1.9977	129.4	2.2695	128.4	2.2432
SEP	72	130.2	2.26	129.6	2.2073	122.1	1.9654	129.5	2.2603	129.1	2.2347
OCT	72	131.0	2.24	125.3	2.2032	122.1	1.9859	130.6	2.2440	129.6	2.2233
NOV	72	131.5	2.20	127.7	2.2052	121.6	1.9947	132.7	2.2128	131.6	2.1923
DEC	72	134.5	2.18	131.6	2.2144	123.2	1.9712	134.1	2.1891	133.7	2.1589
JAN	73	134.1	2.19	130.6	2.2244	123.1	1.9697	133.4	2.2019	132.3	2.1833
FEB	73	134.9	2.18	130.9	2.2355	122.5	1.9744	134.0	2.1913	132.5	2.1712
MAR	73	135.1	2.17	132.4	2.2176	123.4	1.9655	134.7	2.1798	133.6	2.1599
APR	73	135.3	2.17	132.7	2.1948	124.1	1.9538	134.7	2.1797	133.7	2.1587
MAY	73	136.3	2.15	134.2	2.1701	124.2	1.9518	135.5	2.1621	134.7	2.1427
JUN	73	136.4	2.15	135.2	2.1539	124.5	1.9457	136.2	2.1562	135.0	2.1369
JUL	73	136.2	2.16	136.3	2.1378	125.2	1.9371	136.1	2.1552	135.1	2.1350
AUG	73	136.5	2.14	136.5	2.1261	126.5	1.9147	138.6	2.1181	137.4	2.0994
SEP	73	139.1	2.11	137.3	2.1116	127.9	1.8958	140.9	2.0938	138.9	2.0765
OCT	73	141.1	2.07	138.0	2.0877	129.0	1.8792	142.9	2.0548	141.5	2.0338
NOV	73	143.5	2.05	140.9	2.0747	128.9	1.8811	143.5	2.0444	142.2	2.0295
DEC	73	144.5	2.03	141.4	2.0604	129.5	1.8717	144.9	2.0265	143.4	2.0126
JAN	74	145.5	2.01	141.4	2.0504	130.4	1.8597	146.5	2.0044	144.9	1.9914
FEB	74	147.2	1.99	143.9	2.0336	131.0	1.8506	147.2	1.9946	145.6	1.9816
MAR	74	148.0	1.98	144.6	2.0147	132.3	1.8326	151.2	1.9328	150.0	1.9240
APR	74	151.3	1.94	154.1	1.8702	134.3	1.8053	153.5	1.9159	151.4	1.9061
MAY	74	152.3	1.93	156.8	1.8582	135.4	1.7903	155.7	1.8861	153.7	1.8777
JUN	74	152.3	1.93	156.8	1.8582	135.4	1.7903	155.7	1.8861	153.7	1.8777
JUL	74	154.4	1.90	160.7	1.8201	135.4	1.7903	155.7	1.8861	153.7	1.8777
AUG	74	157.2	1.87	164.1	1.7535	137.5	1.7642	159.3	1.8433	156.9	1.8387
SEP	74	158.4	1.85	167.0	1.7444	137.5	1.7642	160.3	1.8317	158.0	1.8261
OCT	74	158.4	1.85	167.0	1.7444	137.5	1.7642	160.3	1.8317	158.0	1.8261
NOV	74	161.2	1.82	168.5	1.7279	137.6	1.7622	162.9	1.8025	160.4	1.7990
DEC	74	162.7	1.80	169.2	1.7203	139.3	1.7338	164.2	1.7886	161.7	1.7836
JAN	75	163.5	1.80	171.8	1.6960	141.9	1.7080	165.3	1.7761	163.0	1.7702
FEB	75	165.6	1.77	173.3	1.6820	143.2	1.6925	168.2	1.7459	165.7	1.7413
MAR	75	167.2	1.75	176.7	1.6586	144.5	1.6837	168.2	1.7456	165.8	1.7402
APR	75	168.9	1.74	177.0	1.6459	145.2	1.6693	169.4	1.7335	166.9	1.7288
MAY	75	170.4	1.72	178.4	1.6329	145.5	1.6651	170.7	1.7203	168.1	1.7159
JUN	75	171.5	1.71	177.5	1.6312	146.5	1.6515	172.2	1.7051	169.6	1.7017
JUL	75	172.6	1.70	177.4	1.6316	147.5	1.6388	173.7	1.6905	170.5	1.6918
AUG	75	174.2	1.68	178.1	1.6354	146.9	1.6304	175.1	1.6769	171.1	1.6860
SEP	75	175.1	1.68	179.1	1.6262	147.6	1.6426	175.0	1.6683	172.3	1.6747
OCT	75	176.3	1.66	179.5	1.6231	147.4	1.6447	177.0	1.6591	174.0	1.6579
NOV	75	177.8	1.65	179.1	1.6255	147.5	1.6433	178.1	1.6487	175.0	1.6483
DEC	75	178.7	1.64	181.6	1.6042	148.7	1.6304	179.3	1.6376	176.2	1.6370
JAN	76	179.1	1.63	185.0	1.5745	149.5	1.6201	180.4	1.6276	177.3	1.6270
FEB	76	180.7	1.62	185.2	1.5724	149.5	1.6219	181.7	1.6160	178.5	1.6165
MAR	76	181.6	1.61	186.5	1.5636	149.8	1.6184	182.8	1.6063	179.5	1.6073
APR	76	181.2	1.62	184.4	1.5798	149.3	1.6177	181.9	1.6143	178.7	1.6146
MAY	76	182.5	1.60	186.6	1.5614	150.8	1.6080	193.7	1.5986	180.4	1.5994
JUN	76	183.0	1.59	187.1	1.5554	151.6	1.5970	183.9	1.5964	180.7	1.5965

JUL	76	77	185.7	1.5831	190.0	1.3345	1.5872	186.6	1.5734	193.2	1.5746
AUG	76	77	185.7	1.5848	192.8	1.3178	1.5814	187.3	1.5679	183.0	1.5690
SEP	76	77	186.9	1.5747	196.0	1.3513	1.5744	185.5	1.5579	185.0	1.5593
OCT	76	77	189.2	1.5534	194.7	1.4764	1.5636	190.4	1.5423	186.7	1.5441
NOV	76	77	189.2	1.5511	197.7	1.4914	1.5575	191.4	1.5375	187.7	1.5392
DEC	76	77	190.3	1.5442	197.7	1.4904	1.5575	191.5	1.5288	186.3	1.5294
JAN	77	77	191.5	1.5352	196.6	1.4868	1.5508	191.2	1.5200	186.3	1.5193
FEB	77	77	192.7	1.5311	199.3	1.4779	1.5433	193.3	1.5133	192.7	1.5137
MAR	77	77	193.4	1.5210	202.7	1.4636	1.5333	195.3	1.5029	191.4	1.5022
APR	77	77	196.7	1.5169	202.7	1.4571	1.5060	197.3	1.4908	191.4	1.4922
MAY	77	77	196.7	1.4957	205.4	1.4412	1.4954	199.3	1.4782	195.4	1.4782
JUN	77	77	197.4	1.4907	205.5	1.4372	1.4791	197.3	1.4532	195.4	1.4702
JUL	77	77	198.2	1.4784	210.7	1.4247	1.4718	197.3	1.4538	197.3	1.4563
AUG	77	77	200.2	1.4698	210.3	1.4142	1.4637	198.3	1.4503	198.3	1.4514
SEP	77	77	201.2	1.4625	211.7	1.3798	1.4437	199.3	1.4432	199.3	1.4432
OCT	77	77	202.7	1.4557	212.7	1.3695	1.4378	203.3	1.4339	200.3	1.4407
NOV	77	77	202.7	1.4522	213.0	1.3571	1.4391	205.3	1.4127	201.3	1.4292
DEC	77	77	203.5	1.4454	215.3	1.3530	1.4310	206.3	1.4247	203.3	1.4209
JAN	78	78	205.3	1.4332	215.0	1.3579	1.4303	207.3	1.4184	204.3	1.4133
FEB	78	78	207.4	1.4177	218.2	1.3501	1.4251	209.3	1.4034	206.3	1.3988
MAR	78	78	208.4	1.4121	214.2	1.3400	1.4203	209.3	1.4034	206.3	1.3961
APR	78	78	210.0	1.4015	214.1	1.3407	1.4133	210.3	1.3933	207.3	1.3866
MAY	78	78	210.5	1.3975	215.2	1.3334	1.4054	211.3	1.3875	208.3	1.3839
JUN	78	78	211.4	1.3922	217.6	1.3386	1.4049	212.3	1.3800	209.3	1.3761
JUL	78	78	213.5	1.3736	220.1	1.3237	1.3933	214.3	1.3641	211.3	1.3621
AUG	78	78	216.4	1.3599	221.7	1.3137	1.3874	217.6	1.3494	214.2	1.3467
SEP	78	78	217.3	1.3541	223.2	1.3054	1.3804	218.6	1.3430	215.4	1.3393
OCT	78	79	221.1	1.3310	223.5	1.3034	1.3776	221.6	1.3298	216.2	1.3225
NOV	78	79	223.6	1.3164	223.5	1.3042	1.3733	223.5	1.3137	220.3	1.3117
DEC	78	79	225.1	1.3074	228.4	1.2749	1.3685	225.6	1.3001	222.4	1.2974
JAN	79	79	227.4	1.2951	228.4	1.2752	1.3658	227.6	1.2939	224.2	1.2872
FEB	79	79	227.4	1.2931	228.4	1.2681	1.3583	228.3	1.2863	224.7	1.2839
MAR	79	79	228.7	1.2873	231.5	1.2583	1.3554	229.3	1.2808	225.6	1.2786
APR	79	79	229.8	1.2809	233.8	1.2462	1.3534	230.6	1.2711	226.9	1.2714
MAY	79	79	233.3	1.2615	241.3	1.2075	1.3450	235.1	1.2492	231.0	1.2422
JUN	79	79	234.2	1.2569	245.1	1.1883	1.3293	235.6	1.2411	232.7	1.2401
JUL	79	79	237.0	1.2415	249.2	1.1682	1.3247	239.8	1.2247	235.7	1.2240
AUG	79	79	238.1	1.2367	251.4	1.1582	1.3245	241.0	1.2183	237.0	1.2171
SEP	79	79	240.0	1.2242	253.4	1.1494	1.3165	243.0	1.2084	239.1	1.2056
OCT	79	80	246.3	1.1951	256.0	1.1378	1.3123	244.1	1.1920	244.1	1.1920
NOV	79	80	251.9	1.1697	262.6	1.1082	1.3106	249.3	1.1566	249.3	1.1560
DEC	79	80	254.1	1.1547	267.8	1.0878	1.3093	252.7	1.1419	252.7	1.1418
JAN	80	80	255.4	1.1504	265.1	1.0990	1.3063	257.3	1.1387	253.8	1.1376
FEB	80	80	258.4	1.1340	272.0	1.0480	1.3042	262.5	1.1175	258.2	1.1172
MAR	80	80	259.3	1.1343	272.8	1.0400	1.3033	263.9	1.1125	259.7	1.1117
APR	80	80	264.1	1.1143	277.8	1.0677	1.2926	266.1	1.1036	261.5	1.1027
MAY	80	80	266.3	1.1011	274.4	1.0614	1.2882	268.1	1.0932	263.5	1.0940
JUN	80	80	268.2	1.0943	275.4	1.0574	1.2791	273.1	1.0875	265.7	1.0860
JUL	80	80	271.1	1.0820	277.2	1.0503	1.2730	275.0	1.0797	269.7	1.0744
AUG	80	80	273.1	1.0747	280.0	1.0404	1.2653	275.1	1.0657	270.7	1.0655
SEP	80	80	275.1	1.0674	280.0	1.0400	1.2647	276.1	1.0635	271.7	1.0619
OCT	80	80	279.3	1.0512	283.3	1.0324	1.2598	279.1	1.0494	275.1	1.0487
NOV	80	80	284.8	1.0337	284.8	1.0345	1.2533	284.8	1.0339	279.1	1.0338
DEC	80	80	286.7	1.0271	286.7	1.0252	1.2533	286.0	1.0267	281.1	1.0264
JAN	81	81	286.0	1.0185	286.7	1.0123	1.2484	285.3	1.0184	283.3	1.0179
FEB	81	81	291.2	1.0128	290.4	1.0065	1.2411	290.3	1.0117	285.3	1.0111
MAR	81	81	293.7	1.0020	290.4	1.0028	1.2411	293.2	1.0022	287.3	1.0021
APR	81	81	294.1	0.9950	292.6	0.9928	1.2411	294.3	0.9917	289.1	0.9980
MAY	81	81	298.1	0.9872	294.7	0.9886	0.9950	297.4	0.9875	292.0	0.9881
JUN	81	81	299.3	0.9817	297.2	0.9801	0.9812	299.1	0.9818	293.9	0.9817

JUL	41	41	301.2	0.9772	298.8	0.0749	248.1	0.9774	310.6	0.9767	235.4	0.9767
AUG	41	41	306.1	0.9611	311.3	0.9658	250.3	0.9688	315.1	0.9525	299.5	0.9531
SEP	41	41	306.7	0.9577	312.6	0.9522	252.6	0.9674	305.4	0.9503	300.3	0.9609

HISTORICAL INFLATION QUARTERLY INDICES

CY	REPAIR PRODUCTION		ENGINE PRODUCTION		AVIONICS PRODUCTION		AGGREGATE AIR VEHICLE EXCLUDING AVIONICS		AGGREGATE AIR VEHICLE INCLUDING AVIONICS	
	FACTOR FY81=	INDEX CY87=	FACTOR FY81=	INDEX CY87=	FACTOR FY81=	INDEX CY87=	FACTOR FY81=	INDEX CY87=	FACTOR FY81=	INDEX CY87=
1	1.0000	100.0	1.0000	100.0	1.0000	100.0	1.0000	100.0	1.0000	100.0
2	2.0001	100.0	2.0000	100.0	2.0000	100.0	2.0000	100.0	2.0000	100.0
3	2.0002	100.0	2.0001	100.0	2.0001	100.0	2.0001	100.0	2.0001	100.0
4	2.0003	100.0	2.0002	100.0	2.0002	100.0	2.0002	100.0	2.0002	100.0
5	2.0004	100.0	2.0003	100.0	2.0003	100.0	2.0003	100.0	2.0003	100.0
6	2.0005	100.0	2.0004	100.0	2.0004	100.0	2.0004	100.0	2.0004	100.0
7	2.0006	100.0	2.0005	100.0	2.0005	100.0	2.0005	100.0	2.0005	100.0
8	2.0007	100.0	2.0006	100.0	2.0006	100.0	2.0006	100.0	2.0006	100.0
9	2.0008	100.0	2.0007	100.0	2.0007	100.0	2.0007	100.0	2.0007	100.0
10	2.0009	100.0	2.0008	100.0	2.0008	100.0	2.0008	100.0	2.0008	100.0
11	2.0010	100.0	2.0009	100.0	2.0009	100.0	2.0009	100.0	2.0009	100.0
12	2.0011	100.0	2.0010	100.0	2.0010	100.0	2.0010	100.0	2.0010	100.0
13	2.0012	100.0	2.0011	100.0	2.0011	100.0	2.0011	100.0	2.0011	100.0
14	2.0013	100.0	2.0012	100.0	2.0012	100.0	2.0012	100.0	2.0012	100.0
15	2.0014	100.0	2.0013	100.0	2.0013	100.0	2.0013	100.0	2.0013	100.0
16	2.0015	100.0	2.0014	100.0	2.0014	100.0	2.0014	100.0	2.0014	100.0
17	2.0016	100.0	2.0015	100.0	2.0015	100.0	2.0015	100.0	2.0015	100.0
18	2.0017	100.0	2.0016	100.0	2.0016	100.0	2.0016	100.0	2.0016	100.0
19	2.0018	100.0	2.0017	100.0	2.0017	100.0	2.0017	100.0	2.0017	100.0
20	2.0019	100.0	2.0018	100.0	2.0018	100.0	2.0018	100.0	2.0018	100.0
21	2.0020	100.0	2.0019	100.0	2.0019	100.0	2.0019	100.0	2.0019	100.0
22	2.0021	100.0	2.0020	100.0	2.0020	100.0	2.0020	100.0	2.0020	100.0
23	2.0022	100.0	2.0021	100.0	2.0021	100.0	2.0021	100.0	2.0021	100.0
24	2.0023	100.0	2.0022	100.0	2.0022	100.0	2.0022	100.0	2.0022	100.0
25	2.0024	100.0	2.0023	100.0	2.0023	100.0	2.0023	100.0	2.0023	100.0
26	2.0025	100.0	2.0024	100.0	2.0024	100.0	2.0024	100.0	2.0024	100.0
27	2.0026	100.0	2.0025	100.0	2.0025	100.0	2.0025	100.0	2.0025	100.0
28	2.0027	100.0	2.0026	100.0	2.0026	100.0	2.0026	100.0	2.0026	100.0
29	2.0028	100.0	2.0027	100.0	2.0027	100.0	2.0027	100.0	2.0027	100.0
30	2.0029	100.0	2.0028	100.0	2.0028	100.0	2.0028	100.0	2.0028	100.0
31	2.0030	100.0	2.0029	100.0	2.0029	100.0	2.0029	100.0	2.0029	100.0
32	2.0031	100.0	2.0030	100.0	2.0030	100.0	2.0030	100.0	2.0030	100.0
33	2.0032	100.0	2.0031	100.0	2.0031	100.0	2.0031	100.0	2.0031	100.0
34	2.0033	100.0	2.0032	100.0	2.0032	100.0	2.0032	100.0	2.0032	100.0
35	2.0034	100.0	2.0033	100.0	2.0033	100.0	2.0033	100.0	2.0033	100.0
36	2.0035	100.0	2.0034	100.0	2.0034	100.0	2.0034	100.0	2.0034	100.0
37	2.0036	100.0	2.0035	100.0	2.0035	100.0	2.0035	100.0	2.0035	100.0
38	2.0037	100.0	2.0036	100.0	2.0036	100.0	2.0036	100.0	2.0036	100.0
39	2.0038	100.0	2.0037	100.0	2.0037	100.0	2.0037	100.0	2.0037	100.0
40	2.0039	100.0	2.0038	100.0	2.0038	100.0	2.0038	100.0	2.0038	100.0
41	2.0040	100.0	2.0039	100.0	2.0039	100.0	2.0039	100.0	2.0039	100.0
42	2.0041	100.0	2.0040	100.0	2.0040	100.0	2.0040	100.0	2.0040	100.0
43	2.0042	100.0	2.0041	100.0	2.0041	100.0	2.0041	100.0	2.0041	100.0
44	2.0043	100.0	2.0042	100.0	2.0042	100.0	2.0042	100.0	2.0042	100.0
45	2.0044	100.0	2.0043	100.0	2.0043	100.0	2.0043	100.0	2.0043	100.0
46	2.0045	100.0	2.0044	100.0	2.0044	100.0	2.0044	100.0	2.0044	100.0
47	2.0046	100.0	2.0045	100.0	2.0045	100.0	2.0045	100.0	2.0045	100.0
48	2.0047	100.0	2.0046	100.0	2.0046	100.0	2.0046	100.0	2.0046	100.0
49	2.0048	100.0	2.0047	100.0	2.0047	100.0	2.0047	100.0	2.0047	100.0
50	2.0049	100.0	2.0048	100.0	2.0048	100.0	2.0048	100.0	2.0048	100.0
51	2.0050	100.0	2.0049	100.0	2.0049	100.0	2.0049	100.0	2.0049	100.0
52	2.0051	100.0	2.0050	100.0	2.0050	100.0	2.0050	100.0	2.0050	100.0
53	2.0052	100.0	2.0051	100.0	2.0051	100.0	2.0051	100.0	2.0051	100.0
54	2.0053	100.0	2.0052	100.0	2.0052	100.0	2.0052	100.0	2.0052	100.0
55	2.0054	100.0	2.0053	100.0	2.0053	100.0	2.0053	100.0	2.0053	100.0
56	2.0055	100.0	2.0054	100.0	2.0054	100.0	2.0054	100.0	2.0054	100.0
57	2.0056	100.0	2.0055	100.0	2.0055	100.0	2.0055	100.0	2.0055	100.0
58	2.0057	100.0	2.0056	100.0	2.0056	100.0	2.0056	100.0	2.0056	100.0
59	2.0058	100.0	2.0057	100.0	2.0057	100.0	2.0057	100.0	2.0057	100.0
60	2.0059	100.0	2.0058	100.0	2.0058	100.0	2.0058	100.0	2.0058	100.0
61	2.0060	100.0	2.0059	100.0	2.0059	100.0	2.0059	100.0	2.0059	100.0
62	2.0061	100.0	2.0060	100.0	2.0060	100.0	2.0060	100.0	2.0060	100.0
63	2.0062	100.0	2.0061	100.0	2.0061	100.0	2.0061	100.0	2.0061	100.0
64	2.0063	100.0	2.0062	100.0	2.0062	100.0	2.0062	100.0	2.0062	100.0
65	2.0064	100.0	2.0063	100.0	2.0063	100.0	2.0063	100.0	2.0063	100.0
66	2.0065	100.0	2.0064	100.0	2.0064	100.0	2.0064	100.0	2.0064	100.0
67	2.0066	100.0	2.0065	100.0	2.0065	100.0	2.0065	100.0	2.0065	100.0
68	2.0067	100.0	2.0066	100.0	2.0066	100.0	2.0066	100.0	2.0066	100.0
69	2.0068	100.0	2.0067	100.0	2.0067	100.0	2.0067	100.0	2.0067	100.0
70	2.0069	100.0	2.0068	100.0	2.0068	100.0	2.0068	100.0	2.0068	100.0
71	2.0070	100.0	2.0069	100.0	2.0069	100.0	2.0069	100.0	2.0069	100.0
72	2.0071	100.0	2.0070	100.0	2.0070	100.0	2.0070	100.0	2.0070	100.0
73	2.0072	100.0	2.0071	100.0	2.0071	100.0	2.0071	100.0	2.0071	100.0
74	2.0073	100.0	2.0072	100.0	2.0072	100.0	2.0072	100.0	2.0072	100.0
75	2.0074	100.0	2.0073	100.0	2.0073	100.0	2.0073	100.0	2.0073	100.0
76	2.0075	100.0	2.0074	100.0	2.0074	100.0	2.0074	100.0	2.0074	100.0
77	2.0076	100.0	2.0075	100.0	2.0075	100.0	2.0075	100.0	2.0075	100.0
78	2.0077	100.0	2.0076	100.0	2.0076	100.0	2.0076	100.0	2.0076	100.0
79	2.0078	100.0	2.0077	100.0	2.0077	100.0	2.0077	100.0	2.0077	100.0
80	2.0079	100.0	2.0078	100.0	2.0078	100.0	2.0078	100.0	2.0078	100.0
81	2.0080	100.0	2.0079	100.0	2.0079	100.0	2.0079	100.0	2.0079	100.0
82	2.0081	100.0	2.0080	100.0	2.0080	100.0	2.0080	100.0	2.0080	100.0
83	2.0082	100.0	2.0081	100.0	2.0081	100.0	2.0081	100.0	2.0081	100.0
84	2.0083	100.0	2.0082	100.0	2.0082	100.0	2.0082	100.0	2.0082	100.0
85	2.0084	100.0	2.0083	100.0	2.0083	100.0	2.0083	100.0	2.0083	100.0
86	2.0085	100.0	2.0084	100.0	2.0084	100.0	2.0084	100.0	2.0084	100.0
87	2.0086	100.0	2.0085	100.0	2.0085	100.0	2.0085	100.0	2.0085	100.0
88	2.0087	100.0	2.0086	100.0	2.0086	100.0	2.0086	100.0	2.0086	100.0
89	2.0088	100.0	2.0087	100.0	2.0087	100.0	2.0087	100.0	2.0087	100.0
90	2.0089	100.0	2.0088	100.0	2.0088	100.0	2.0088	100.0	2.0088	100.0
91	2.0090	100.0	2.0089	100.0	2.0089	100.0	2.0089	100.0	2.0089	100.0
92	2.0091	100.0	2.0090	100.0	2.0090	100.0	2.0090	100.0	2.0090	100.0
93	2.0092	100.0	2.0091	100.0	2.0091	100.0	2.0091	100.0	2.0091	100.0
94	2.0093	100.0	2.0092	100.0	2.0092	100.0	2.0092	100.0	2.0092	100.0
95	2.0094	100.0	2.0093	100.0	2.0093	100.0	2.0093	100.0	2.0093	100.0
96	2.0095	100.0	2.0094	100.0	2.0094	100.0	2.0094	100.0	2.0094	100.0
97	2.0096	100.0	2.0095	100.0	2.0095	100.0	2.0095	100.0	2.0095	100.0
98	2.0097	100.0	2.0096	100.0	2.0096	100.0	2.0096	100.0	2.0096	100.0
99	2.0098	100.0	2.0097	100.0	2.0097	100.0	2.0097	100.0	2.0097	100.0
100	2.0099	100.0	2.0098	100.0	2.0098	100.0	2.0098	100.0	2.0098	100.0

3	75	242.4	1.2347	251.4	1.1159	271.6	1.2024	241.3	1.2171	237.3	1.2159
4	75	250.7	1.1157	262.2	1.1159	208.2	1.1643	251.3	1.1593	248.3	1.1597
1	80	257.5	1.1414	274.4	1.0417	217.3	1.1145	231.5	1.1228	257.1	1.1221
2	50	265.2	1.1052	274.3	1.0522	223.8	1.0835	261.1	1.0954	263.6	1.0644
3	30	273.2	1.0155	279.1	1.0437	230.3	1.0527	271.2	1.0585	270.3	1.0672
4	50	282.3	1.0172	281.6	1.0321	234.5	1.0321	271.3	1.0355	278.4	1.0362
1	81	281.2	1.0104	287.9	1.0115	240.9	1.0063	293.5	1.0107	285.5	1.0193
2	21	297.5	0.9893	294.2	0.9431	244.3	0.9924	295.9	0.9889	291.7	0.9892
3	81	304.7	0.9560	300.4	0.9531	249.7	0.9711	303.3	0.9564	298.4	0.9568

HISTORICAL INFLATION FISCAL YEAR INDICES

FY	AIRFRAME PRODUCTION			TUNING PRODUCTION			AVIONICS PRODUCTION			AGGREGATE AIR VEHICLE EXCLUDING AVIONICS			AGGREGATE AIR VEHICLE INCLUDING AVIONICS		
	INDEX CY67=	FACTOR FY81=	INDEX CY67=	FACTOR FY81=	INDEX CY67=	FACTOR FY81=	INDEX CY67=	FACTOR FY81=	INDEX CY67=	FACTOR FY81=	INDEX CY67=	FACTOR FY81=	INDEX CY67=	FACTOR FY81=	INDEX CY67=
66	100.0	1.0000	100.0	1.0000	100.0	1.0000	100.0	1.0000	100.0	1.0000	100.0	1.0000	100.0	1.0000	100.0
67	101.7	1.0000	101.7	1.0000	101.7	1.0000	101.7	1.0000	101.7	1.0000	101.7	1.0000	101.7	1.0000	101.7
68	107.1	1.0000	107.1	1.0000	107.1	1.0000	107.1	1.0000	107.1	1.0000	107.1	1.0000	107.1	1.0000	107.1
69	113.2	1.0000	113.2	1.0000	113.2	1.0000	113.2	1.0000	113.2	1.0000	113.2	1.0000	113.2	1.0000	113.2
70	119.5	1.0000	119.5	1.0000	119.5	1.0000	119.5	1.0000	119.5	1.0000	119.5	1.0000	119.5	1.0000	119.5
71	124.4	1.0000	124.4	1.0000	124.4	1.0000	124.4	1.0000	124.4	1.0000	124.4	1.0000	124.4	1.0000	124.4
72	133.2	1.0000	133.2	1.0000	133.2	1.0000	133.2	1.0000	133.2	1.0000	133.2	1.0000	133.2	1.0000	133.2
73	144.1	1.0000	144.1	1.0000	144.1	1.0000	144.1	1.0000	144.1	1.0000	144.1	1.0000	144.1	1.0000	144.1
74	164.0	1.0000	164.0	1.0000	164.0	1.0000	164.0	1.0000	164.0	1.0000	164.0	1.0000	164.0	1.0000	164.0
75	178.7	1.0000	178.7	1.0000	178.7	1.0000	178.7	1.0000	178.7	1.0000	178.7	1.0000	178.7	1.0000	178.7
76	186.1	1.0000	186.1	1.0000	186.1	1.0000	186.1	1.0000	186.1	1.0000	186.1	1.0000	186.1	1.0000	186.1
77	194.7	1.0000	194.7	1.0000	194.7	1.0000	194.7	1.0000	194.7	1.0000	194.7	1.0000	194.7	1.0000	194.7
78	202.1	1.0000	202.1	1.0000	202.1	1.0000	202.1	1.0000	202.1	1.0000	202.1	1.0000	202.1	1.0000	202.1
79	230.5	1.0000	230.5	1.0000	230.5	1.0000	230.5	1.0000	230.5	1.0000	230.5	1.0000	230.5	1.0000	230.5
80	262.1	1.0000	262.1	1.0000	262.1	1.0000	262.1	1.0000	262.1	1.0000	262.1	1.0000	262.1	1.0000	262.1
81	294.3	1.0000	294.3	1.0000	294.3	1.0000	294.3	1.0000	294.3	1.0000	294.3	1.0000	294.3	1.0000	294.3

APPENDIX G

ANNUAL DATA FOR THE HISTORICAL INFLATION PROGRAM --
RAW MATERIAL PORTION ONLY

171
80
21

CY	PPI-17	PPI-17	SPI-11
	-----	-----	-----
1947	70.50	54.90	0.0
1948	72.50	62.50	0.0
1949	70.50	63.00	0.0
1950	65.50	65.30	0.0
1951	105.40	73.80	0.0
1952	95.50	73.90	0.0
1953	89.10	76.30	0.0
1954	90.40	76.90	0.0
1955	102.40	82.10	0.0
1956	103.80	89.20	0.0
1957	103.40	91.00	0.0

 * C A L E N D A R Y E A R D A T A *
 * P E R - 1 9 5 8 *
 * *** RA MATERIAL ONLY ***
 * *****

3-11-61 YEARE J A T

[illegible]

APPENDIX H

MONTHLY DATA FOR THE HISTORICAL INFLATION PROGRAM - -
RAW MATERIAL PORTION ONLY

[illegible]

NY - L Y D A T A

[illegible]

W. C. T. H. L. Y. O. A. T. A.

[illegible]

H 4

MONTHLY DATA

1	2	3	4	5	6	7	MATERIALS										LABOR			
							8	9	10	11	12	13	14	15	16	17	18			
007X	150200	150200	150200	150200	150200	150200	WONES	ALUMN	SC-STK	EXTRD	CP/SES	AC-EL	157XX	ELECT	ACFT	ENG	OTHER			
MUELEP	CR	STL	STALS	CACT	FORME	LEAD							157XX	ELECT	1721	1724	3729			
3025	214.10	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3026	215.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3027	217.50	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3028	218.40	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3029	219.50	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3030	220.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3031	221.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3032	222.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3033	223.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3034	224.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3035	225.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3036	226.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3037	227.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3038	228.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3039	229.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3040	230.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3041	231.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3042	232.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3043	233.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3044	234.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3045	235.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3046	236.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3047	237.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3048	238.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3049	239.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3050	240.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3051	241.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3052	242.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3053	243.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3054	244.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3055	245.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3056	246.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3057	247.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3058	248.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3059	249.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3060	250.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3061	251.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3062	252.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3063	253.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3064	254.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3065	255.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3066	256.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3067	257.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3068	258.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3069	259.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3070	260.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3071	261.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3072	262.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3073	263.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3074	264.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3075	265.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3076	266.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3077	267.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3078	268.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3079	269.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3080	270.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3081	271.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3082	272.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3083	273.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3084	274.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3085	275.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3086	276.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3087	277.00	104.50	316.50	316.50	316.50	322.70	322.70	203.40	290.20	230.20	379.70	234.50	153.40	0.0	0.0	0.0	0.0			
3088	278.00	104.50	316.50	316.50	316.50	322.70	322.70	2												

APPENDIX I

HISTORICAL INFLATION INDICES :

RAW MATERIAL PORTION ONLY.

HISTORICAL INFLATION PRE-1958 INDICES

RAW MATERIAL PORTION ONLY

AGGREGATE AIR VEHICLE EXCLUDING AVIONICS

INDEX	FACTOR
CY67E	FY61E
100.0	1.0000
---	---
47	4.1532
48	3.6751
49	3.5343
50	3.4456
51	3.0777
52	3.0917
53	3.0105
54	4.0363
55	2.7384
56	2.5759
57	2.5289

ENTIRE PRODUCTION

INDEX	FACTOR
CY67E	FY61E
100.0	1.0000
---	---
47	4.2113
48	3.7707
49	3.6307
50	3.4537
51	3.1152
52	3.1352
53	3.0724
54	3.1141
55	2.8031
56	2.5292
57	2.5460

SHIPMENT PRODUCTION

INDEX	FACTOR
CY67E	FY61E
100.0	1.0000
---	---
47	4.1272
48	3.6517
49	3.5221
50	3.4134
51	3.0403
52	3.0542
53	2.9945
54	2.8633
55	2.7672
56	2.5615
57	2.5117

HISTORICAL INFLATION
CALENDAR YEAR INDICES
RAW MATERIAL PORTION ONLY

YEAR	AIRFRAME PRODUCTION			ENGINE PRODUCTION			AVIONICS PRODUCTION			453PES-12 AIR VEHICLE EXCLUDING AVIONICS			AGGREGATE AIR VEHICLE INCLUDING AVIONICS		
	INDEX CY67=100.0	FACTOR FY61=1.0000	INDEX CY67=100.0	INDEX CY67=100.0	FACTOR FY61=1.0000	INDEX CY67=100.0	INDEX CY67=100.0	FACTOR FY61=1.0000	INDEX CY67=100.0	INDEX CY67=100.0	FACTOR FY61=1.0000	INDEX CY67=100.0	INDEX CY67=100.0	FACTOR FY61=1.0000	INDEX CY67=100.0
50	27.7	2.5315	19.4	2.5646	11.5	1.5563	1.5563	1.5563	34.3	2.4631	2.4631	34.3	2.4631	2.4631	34.3
51	25.0	2.7270	26.7	2.7147	31.3	1.5630	1.5630	1.5630	32.0	2.7187	2.7187	32.0	2.7187	2.7187	32.0
52	26.0	2.6802	57.0	2.6377	30.9	1.6829	1.6829	1.6829	33.7	2.6334	2.6334	33.7	2.6334	2.6334	33.7
53	25.4	2.7653	57.0	2.6911	30.9	1.6850	1.6850	1.6850	32.3	2.7318	2.7318	32.3	2.7318	2.7318	32.3
54	24.0	2.8600	43.0	2.7372	30.3	1.7111	1.7111	1.7111	31.4	2.8116	2.8116	31.4	2.8116	2.8116	31.4
55	23.7	2.9660	51.2	2.6784	30.1	1.7290	1.7290	1.7290	30.2	2.9296	2.9296	30.2	2.9296	2.9296	30.2
56	23.4	2.9613	40.0	2.6696	30.0	1.7399	1.7399	1.7399	29.4	3.0147	3.0147	29.4	3.0147	3.0147	29.4
57	23.0	2.9746	49.0	3.1162	30.0	1.7399	1.7399	1.7399	29.4	3.0275	3.0275	29.4	3.0275	3.0275	29.4
58	23.0	2.9441	49.0	3.0695	30.0	1.6936	1.6936	1.6936	29.6	2.9323	2.9323	29.6	2.9323	2.9323	29.6
59	24.0	2.9119	52.0	2.9933	31.0	1.6547	1.6547	1.6547	30.4	2.9047	2.9047	30.4	2.9047	2.9047	30.4
60	24.0	2.8550	54.0	2.8121	31.2	1.6680	1.6680	1.6680	31.1	2.9145	2.9145	31.1	2.9145	2.9145	31.1
61	25.0	2.7523	57.0	2.6330	31.7	1.6432	1.6432	1.6432	32.7	2.7093	2.7093	32.7	2.7093	2.7093	32.7
62	26.0	2.6758	65.3	2.3400	31.0	1.6303	1.6303	1.6303	34.3	2.5363	2.5363	34.3	2.5363	2.5363	34.3
63	26.0	2.6811	67.7	2.2577	32.3	1.6150	1.6150	1.6150	35.4	2.5012	2.5012	35.4	2.5012	2.5012	35.4
64	26.0	2.6417	65.9	2.3182	32.6	1.6303	1.6303	1.6303	35.0	2.5071	2.5071	35.0	2.5071	2.5071	35.0
65	27.3	2.5738	66.2	2.3087	32.9	1.5849	1.5849	1.5849	35.6	2.4652	2.4652	35.6	2.4652	2.4652	35.6
66	34.0	2.0552	82.0	2.1843	35.1	1.4853	1.4853	1.4853	43.0	1.9387	1.9387	43.0	1.9387	1.9387	43.0
67	39.1	1.7944	91.7	1.5959	36.4	1.4326	1.4326	1.4326	51.7	1.7127	1.7127	50.2	1.6924	1.6924	50.2
68	42.0	1.6618	170.0	1.5158	36.5	1.4289	1.4289	1.4289	55.3	1.6026	1.6026	53.4	1.5907	1.5907	53.4
69	45.0	1.5395	111.4	1.3705	37.6	1.3847	1.3847	1.3847	60.2	1.4700	1.4700	58.0	1.4605	1.4605	58.0
70	49.0	1.4259	115.2	1.3492	40.0	1.3039	1.3039	1.3039	65.3	1.3595	1.3595	61.1	1.3495	1.3495	61.1
71	55.0	1.2633	130.2	1.1737	42.6	1.2185	1.2185	1.2185	72.2	1.2274	1.2274	69.2	1.2268	1.2268	69.2
72	63.0	1.0996	140.1	1.0249	49.2	1.0586	1.0586	1.0586	82.8	1.0697	1.0697	79.4	1.0690	1.0690	79.4

RAW MATERIAL PORTION ONLY

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MAY	71	71	26.4	2.6564	56.6	2.2622	32.4	1.5112	35.4	2.5023	35.1	2.4201
JUN	71	71	26.4	2.6611	56.7	2.2645	32.4	1.5033	35.4	2.4751	35.4	2.3955
JUL	71	72	26.4	2.6590	56.7	2.2647	32.4	1.5049	35.4	2.4730	35.4	2.3932
AUG	71	72	26.4	2.6577	56.7	2.2647	32.4	1.5034	35.4	2.4720	35.4	2.3924
SEP	71	72	26.4	2.6567	56.6	2.2636	32.4	1.5036	35.4	2.4754	35.4	2.3963
OCT	71	72	26.4	2.6511	56.5	2.2631	32.4	1.5036	35.4	2.4759	35.4	2.3965
NOV	71	72	26.4	2.6644	56.6	2.2636	32.4	1.5036	35.4	2.4775	35.4	2.3964
DEC	71	72	26.4	2.6644	56.4	2.2636	32.4	1.5036	35.4	2.4775	35.4	2.3964
JAN	72	72	26.4	2.6577	56.4	2.2632	32.4	1.5112	35.4	2.4594	35.4	2.4032
FEB	72	72	26.4	2.6502	56.7	2.2632	32.4	1.5003	35.4	2.4591	35.4	2.3994
MAR	72	72	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
APR	72	72	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
MAY	72	72	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
JUN	72	72	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
JUL	72	72	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
AUG	72	72	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
SEP	72	72	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
OCT	72	72	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
NOV	72	72	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
DEC	72	72	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
JAN	73	73	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
FEB	73	73	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
MAR	73	73	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
APR	73	73	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
MAY	73	73	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
JUN	73	73	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
JUL	73	73	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
AUG	73	73	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
SEP	73	73	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
OCT	73	73	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
NOV	73	73	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
DEC	73	73	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
JAN	74	74	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
FEB	74	74	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
MAR	74	74	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
APR	74	74	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
MAY	74	74	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
JUN	74	74	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
JUL	74	74	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
AUG	74	74	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
SEP	74	74	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
OCT	74	74	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
NOV	74	74	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
DEC	74	74	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
JAN	75	75	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
FEB	75	75	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
MAR	75	75	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
APR	75	75	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
MAY	75	75	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
JUN	75	75	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
JUL	75	75	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
AUG	75	75	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
SEP	75	75	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
OCT	75	75	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
NOV	75	75	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
DEC	75	75	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
JAN	76	76	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
FEB	76	76	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
MAR	76	76	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
APR	76	76	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
MAY	76	76	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
JUN	76	76	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
JUL	76	76	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
AUG	76	76	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
SEP	76	76	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
OCT	76	76	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
NOV	76	76	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
DEC	76	76	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
JAN	77	77	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
FEB	77	77	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
MAR	77	77	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
APR	77	77	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
MAY	77	77	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
JUN	77	77	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
JUL	77	77	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
AUG	77	77	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
SEP	77	77	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
OCT	77	77	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
NOV	77	77	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
DEC	77	77	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
JAN	78	78	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
FEB	78	78	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
MAR	78	78	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
APR	78	78	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
MAY	78	78	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
JUN	78	78	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
JUL	78	78	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
AUG	78	78	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
SEP	78	78	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
OCT	78	78	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
NOV	78	78	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
DEC	78	78	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
JAN	79	79	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
FEB	79	79	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
MAR	79	79	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
APR	79	79	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
MAY	79	79	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
JUN	79	79	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
JUL	79	79	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4	2.4519	35.4	2.3931
AUG	79	79	26.4	2.6431	56.6	2.2632	32.4	1.5035	35.4			

MAY	75	76	41.5	1.6902	1.6382	56.5	1.4351	57.7	1.6289	52.4	1.6152
JUN	75	76	42.1	1.6957	1.6366	56.5	1.4207	57.7	1.6137	53.0	1.6010
JUL	75	76	42.7	1.7012	1.6312	56.5	1.4064	58.1	1.6077	53.2	1.5952
AUG	75	76	43.3	1.7067	1.6257	56.5	1.3921	58.1	1.6017	54.2	1.5864
SEP	75	76	44.1	1.7122	1.6202	56.5	1.3778	58.1	1.5957	55.2	1.5776
OCT	75	76	44.8	1.7177	1.6147	56.5	1.3635	58.1	1.5897	55.2	1.5688
NOV	75	76	45.5	1.7232	1.6092	56.5	1.3492	58.1	1.5837	55.2	1.5599
DEC	75	76	46.2	1.7287	1.6037	56.5	1.3349	58.1	1.5777	55.2	1.5511
JAN	76	77	46.9	1.7342	1.5982	56.5	1.3206	58.1	1.5717	55.2	1.5423
FEB	76	77	47.6	1.7397	1.5927	56.5	1.3063	58.1	1.5657	55.2	1.5335
MAR	76	77	48.3	1.7452	1.5872	56.5	1.2920	58.1	1.5597	55.2	1.5247
APR	76	77	49.0	1.7507	1.5817	56.5	1.2777	58.1	1.5537	55.2	1.5159
MAY	76	77	49.7	1.7562	1.5762	56.5	1.2634	58.1	1.5477	55.2	1.5071
JUN	76	77	50.4	1.7617	1.5707	56.5	1.2491	58.1	1.5417	55.2	1.4983
JUL	76	77	51.1	1.7672	1.5652	56.5	1.2348	58.1	1.5357	55.2	1.4895
AUG	76	77	51.8	1.7727	1.5597	56.5	1.2205	58.1	1.5297	55.2	1.4807
SEP	76	77	52.5	1.7782	1.5542	56.5	1.2062	58.1	1.5237	55.2	1.4719
OCT	76	77	53.2	1.7837	1.5487	56.5	1.1919	58.1	1.5177	55.2	1.4631
NOV	76	77	53.9	1.7892	1.5432	56.5	1.1776	58.1	1.5117	55.2	1.4543
DEC	76	77	54.6	1.7947	1.5377	56.5	1.1633	58.1	1.5057	55.2	1.4455
JAN	77	78	55.3	1.8002	1.5322	56.5	1.1490	58.1	1.4997	55.2	1.4367
FEB	77	78	56.0	1.8057	1.5267	56.5	1.1347	58.1	1.4937	55.2	1.4279
MAR	77	78	56.7	1.8112	1.5212	56.5	1.1204	58.1	1.4877	55.2	1.4191
APR	77	78	57.4	1.8167	1.5157	56.5	1.1061	58.1	1.4817	55.2	1.4103
MAY	77	78	58.1	1.8222	1.5102	56.5	1.0918	58.1	1.4757	55.2	1.4015
JUN	77	78	58.8	1.8277	1.5047	56.5	1.0775	58.1	1.4697	55.2	1.3927
JUL	77	78	59.5	1.8332	1.4992	56.5	1.0632	58.1	1.4637	55.2	1.3839
AUG	77	78	60.2	1.8387	1.4937	56.5	1.0489	58.1	1.4577	55.2	1.3751
SEP	77	78	60.9	1.8442	1.4882	56.5	1.0346	58.1	1.4517	55.2	1.3663
OCT	77	78	61.6	1.8497	1.4827	56.5	1.0203	58.1	1.4457	55.2	1.3575
NOV	77	78	62.3	1.8552	1.4772	56.5	1.0060	58.1	1.4397	55.2	1.3487
DEC	77	78	63.0	1.8607	1.4717	56.5	0.9917	58.1	1.4337	55.2	1.3399
JAN	78	79	63.7	1.8662	1.4662	56.5	0.9774	58.1	1.4277	55.2	1.3311
FEB	78	79	64.4	1.8717	1.4607	56.5	0.9631	58.1	1.4217	55.2	1.3223
MAR	78	79	65.1	1.8772	1.4552	56.5	0.9488	58.1	1.4157	55.2	1.3135
APR	78	79	65.8	1.8827	1.4497	56.5	0.9345	58.1	1.4097	55.2	1.3047
MAY	78	79	66.5	1.8882	1.4442	56.5	0.9202	58.1	1.4037	55.2	1.2959
JUN	78	79	67.2	1.8937	1.4387	56.5	0.9059	58.1	1.3977	55.2	1.2871
JUL	78	79	67.9	1.8992	1.4332	56.5	0.8916	58.1	1.3917	55.2	1.2783
AUG	78	79	68.6	1.9047	1.4277	56.5	0.8773	58.1	1.3857	55.2	1.2695
SEP	78	79	69.3	1.9102	1.4222	56.5	0.8630	58.1	1.3797	55.2	1.2607
OCT	78	79	70.0	1.9157	1.4167	56.5	0.8487	58.1	1.3737	55.2	1.2519
NOV	78	79	70.7	1.9212	1.4112	56.5	0.8344	58.1	1.3677	55.2	1.2431
DEC	78	79	71.4	1.9267	1.4057	56.5	0.8201	58.1	1.3617	55.2	1.2343
JAN	79	80	72.1	1.9322	1.4002	56.5	0.8058	58.1	1.3557	55.2	1.2255
FEB	79	80	72.8	1.9377	1.3947	56.5	0.7915	58.1	1.3497	55.2	1.2167
MAR	79	80	73.5	1.9432	1.3892	56.5	0.7772	58.1	1.3437	55.2	1.2079
APR	79	80	74.2	1.9487	1.3837	56.5	0.7629	58.1	1.3377	55.2	1.1991
MAY	79	80	74.9	1.9542	1.3782	56.5	0.7486	58.1	1.3317	55.2	1.1903
JUN	79	80	75.6	1.9597	1.3727	56.5	0.7343	58.1	1.3257	55.2	1.1815
JUL	79	80	76.3	1.9652	1.3672	56.5	0.7200	58.1	1.3197	55.2	1.1727
AUG	79	80	77.0	1.9707	1.3617	56.5	0.7057	58.1	1.3137	55.2	1.1639
SEP	79	80	77.7	1.9762	1.3562	56.5	0.6914	58.1	1.3077	55.2	1.1551
OCT	79	80	78.4	1.9817	1.3507	56.5	0.6771	58.1	1.3017	55.2	1.1463
NOV	79	80	79.1	1.9872	1.3452	56.5	0.6628	58.1	1.2957	55.2	1.1375
DEC	79	80	79.8	1.9927	1.3397	56.5	0.6485	58.1	1.2897	55.2	1.1287
JAN	80	81	80.5	1.9982	1.3342	56.5	0.6342	58.1	1.2837	55.2	1.1199
FEB	80	81	81.2	2.0037	1.3287	56.5	0.6199	58.1	1.2777	55.2	1.1111
MAR	80	81	81.9	2.0092	1.3232	56.5	0.6056	58.1	1.2717	55.2	1.1023
APR	80	81	82.6	2.0147	1.3177	56.5	0.5913	58.1	1.2657	55.2	1.0935
MAY	80	81	83.3	2.0202	1.3122	56.5	0.5770	58.1	1.2597	55.2	1.0847
JUN	80	81	84.0	2.0257	1.3067	56.5	0.5627	58.1	1.2537	55.2	1.0759
JUL	80	81	84.7	2.0312	1.3012	56.5	0.5484	58.1	1.2477	55.2	1.0671
AUG	80	81	85.4	2.0367	1.2957	56.5	0.5341	58.1	1.2417	55.2	1.0583
SEP	80	81	86.1	2.0422	1.2902	56.5	0.5198	58.1	1.2357	55.2	1.0495
OCT	80	81	86.8	2.0477	1.2847	56.5	0.5055	58.1	1.2297	55.2	1.0407
NOV	80	81	87.5	2.0532	1.2792	56.5	0.4912	58.1	1.2237	55.2	1.0319
DEC	80	81	88.2	2.0587	1.2737	56.5	0.4769	58.1	1.2177	55.2	1.0231
JAN	81	82	88.9	2.0642	1.2682	56.5	0.4626	58.1	1.2117	55.2	1.0143
FEB	81	82	89.6	2.0697	1.2627	56.5	0.4483	58.1	1.2057	55.2	1.0055
MAR	81	82	90.3	2.0752	1.2572	56.5	0.4340	58.1	1.1997	55.2	0.9967
APR	81	82	91.0	2.0807	1.2517	56.5	0.4197	58.1	1.1937	55.2	0.9879
MAY	81	82	91.7	2.0862	1.2462	56.5	0.4054	58.1	1.1877	55.2	0.9791
JUN	81	82	92.4	2.0917	1.2407	56.5	0.3911	58.1	1.1817	55.2	0.9703
JUL	81	82	93.1	2.0972	1.2352	56.5	0.3768	58.1	1.1757	55.2	0.9615
AUG	81	82	93.8	2.1027	1.2297	56.5	0.3625	58.1	1.1697	55.2	0.9527
SEP	81	82	94.5	2.1082	1.2242	56.5	0.3482	58.1	1.1637	55.2	0.9439
OCT	81	82	95.2	2.1137	1.2187	56.5	0.3339	58.1	1.1577	55.2	0.9351
NOV	81	82	95.9	2.1192	1.2132	56.5	0.3196	58.1	1.1517	55.2	0.9263
DEC	81	82	96.6	2.1247	1.2077	56.5	0.3053	58.1	1.1457	55.2	0.9175
JAN	82	83	97.3	2.1302	1.2022	56.5	0.2910	58.1	1.1397	55.2	0.9087
FEB	82	83	98.0	2.1357	1.1967	56.5	0.2767	58.1	1.1337	55.2	0.8999
MAR	82	83	98.7	2.1412	1.1912	56.5	0.2624	58.1	1.1277	55.2	0.8911
APR	82	83	99.4	2.1467	1.1857	56.5	0.2481	58.1	1.1217	55.2	0.8823
MAY	82	83	100.1	2.1522	1.1802	56.5	0.2338	58.1	1.1157	55.2	0.8735
JUN	82	83	100.8	2.1577	1.1747	56.5	0.2195	58.1	1.1097	55.2	0.8647
JUL	82	83	101.5	2.1632	1.1692	56.5	0.2052	58.1	1.1037	55.2	0.8559
AUG	82	83	102.2	2.1687	1.1637	56.5	0.1909	58.1	1.0977	55.2	0.8471
SEP	82	83	102.9	2.1742	1.1582	56.5	0.1766	58.1	1.0917	55.2	0.8383
OCT	82	83	103.6	2.1797	1.1527	56.5	0.1623	58.1	1.0857	55.2	0.8295
NOV	82	83	104.3	2.1852	1.1472	56.5	0.1480	58.1	1.0797	55.2	0.8207
DEC	82	83	105.0	2.1907	1.1417	56.5	0.1337	58.1	1.0737	55.2	0.8119
JAN	83	84	105.7	2.1962	1.1362	56.5	0.1194	58.1	1.0677	55.2	0.8031
FEB	83	84	106.4	2.2017	1.1307	56.5	0.1051	58.1	1.0617	55.2	0.7943
MAR	83	84	107.1	2.2072	1.1252	56.5	0.0908	58.1	1.0557	55.2	0.7855
APR	83	84	107.8	2.2127	1.1197	56.5	0.0765	58.1	1.0497	55.2	0.7767
MAY	83	84	108.5	2.2182	1.1142	56.5	0.0622	58.1	1.0437	55.2	0.7679
JUN	83	84	109.2	2.2237	1.1087	56.5	0.0479	58.1	1.0377	55.2	0.7591
JUL	83	84	109.9	2.2292	1.1032	56.5	0.0336	58.1	1.0317	55.2	0.7503
AUG	83	84	110.6	2.2347	1.0977	56.5	0.0193	58.1	1.0257	55.2	0.7415
SEP	83	84	111.3	2.2402	1.0922	56.5	0.0050	58.1	1.0197	55.2	0.7327
OCT	83	84	112.0	2.2457	1.0867	56.5	0.0007	58.1	1.0137	55.2	0.7239
NOV	83	84	112.7	2.2512	1.0812	56.5	0.0000	58.1	1.0077	55.2	0.7151
DEC	83	84	113.4	2.2567	1.0757	56.5	0.0000	58.1	1.0017	55.2	0.7063
JAN	84	85	114.1	2.2622	1.0702	56.5	0.0000	58.1	0.9957	55.2	0.6975
FEB	84	85	114.8	2.2677	1.0647	56.5	0.0000	58.1	0.9897	55.2	0.6887
MAR	84	85</									

MAY	41	-1	72.5	0.9747	155.0	0.7551	82.2	0.9980	90.5	0.9190	66.5	0.9802
JUN	41	81	72.5	0.9546	156.5	0.9755	52.5	0.9944	91.4	0.9587	87.5	0.9704
JUL	-1	91	71.2	0.9505	158.5	0.9744	41.4	0.9762	91.4	0.9652	87.5	0.9558
AUG	-1	-1	71.4	0.9501	157.5	0.9712	51.5	0.9733	71.9	0.9533	88.1	0.9632
SEP	51	1	71.7	0.9511	157.5	0.9725	55.5	0.9722	72.5	0.9577	88.5	0.9550

HISTORICAL INFLATION QUARTERLY INDICES

RAW MATERIAL PORTION ONLY

QTR	CY	AIRFRAME PRODUCTION		ENGINE PRODUCTION		AVIONICS PRODUCTION		AGGREGATE AIR VEHICLE EXCLUDING AVIONICS		AGGREGATE AIR VEHICLE INCLUDING AVIONICS	
		INDEX CY57=	FACTOR FY51=	INDEX CY57=	FACTOR FY51=	INDEX CY57=	FACTOR FY51=	INDEX CY57=	FACTOR FY51=	INDEX CY57=	FACTOR FY51=
---	---	100.0	1.0000	100.0	1.0000	100.0	1.0000	100.0	1.0000	100.0	1.0000
3	57	24.1	2.9174	31.4	1.6502	31.4	1.6502	30.0	2.9182	30.0	2.9182
4	57	24.5	2.8535	31.3	1.6635	31.3	1.6635	31.9	2.8593	30.9	2.7471
1	58	24.5	2.8535	31.3	1.6635	31.3	1.6635	31.2	2.8427	31.2	2.7242
2	58	24.5	2.8535	31.3	1.6635	31.3	1.6635	31.2	2.8427	31.1	2.7285
3	58	24.5	2.8535	31.3	1.6635	31.3	1.6635	31.0	2.8427	31.0	2.7199
4	58	24.5	2.8535	31.3	1.6635	31.3	1.6635	31.0	2.8427	31.0	2.7199
1	59	25.0	2.8060	31.2	1.6714	31.2	1.6714	31.1	2.8462	31.1	2.6714
2	59	25.0	2.8060	31.2	1.6714	31.2	1.6714	31.1	2.8462	31.1	2.6714
3	59	25.0	2.8060	31.2	1.6714	31.2	1.6714	31.1	2.8462	31.1	2.6714
4	59	25.0	2.8060	31.2	1.6714	31.2	1.6714	31.1	2.8462	31.1	2.6714
1	60	25.6	2.7717	31.7	1.6442	31.7	1.6442	32.4	2.7533	32.2	2.6282
2	60	25.6	2.7717	31.7	1.6442	31.7	1.6442	32.4	2.7533	32.2	2.6282
3	60	25.6	2.7717	31.7	1.6442	31.7	1.6442	32.4	2.7533	32.2	2.6282
4	60	25.6	2.7717	31.7	1.6442	31.7	1.6442	32.4	2.7533	32.2	2.6282
1	70	26.1	2.6717	31.7	1.6442	31.7	1.6442	34.9	2.7442	34.0	2.4621
2	70	26.1	2.6717	31.7	1.6442	31.7	1.6442	34.9	2.7442	34.0	2.4621
3	70	26.1	2.6717	31.7	1.6442	31.7	1.6442	34.9	2.7442	34.0	2.4621
4	70	26.1	2.6717	31.7	1.6442	31.7	1.6442	34.9	2.7442	34.0	2.4621
1	71	26.2	2.6787	32.1	1.6342	31.9	1.6342	35.0	2.7350	34.5	2.4502
2	71	26.2	2.6787	32.1	1.6342	31.9	1.6342	35.0	2.7350	34.5	2.4502
3	71	26.2	2.6787	32.1	1.6342	31.9	1.6342	35.0	2.7350	34.5	2.4502
4	71	26.2	2.6787	32.1	1.6342	31.9	1.6342	35.0	2.7350	34.5	2.4502
1	72	26.4	2.6800	32.5	1.6023	32.5	1.6023	35.7	2.7331	34.7	2.4439
2	72	26.4	2.6800	32.5	1.6023	32.5	1.6023	35.7	2.7331	34.7	2.4439
3	72	26.4	2.6800	32.5	1.6023	32.5	1.6023	35.7	2.7331	34.7	2.4439
4	72	26.4	2.6800	32.5	1.6023	32.5	1.6023	35.7	2.7331	34.7	2.4439
1	73	27.1	2.6527	32.9	1.5955	32.7	1.5955	35.8	2.7325	35.5	2.4335
2	73	27.1	2.6527	32.9	1.5955	32.7	1.5955	35.8	2.7325	35.5	2.4335
3	73	27.1	2.6527	32.9	1.5955	32.7	1.5955	35.8	2.7325	35.5	2.4335
4	73	27.1	2.6527	32.9	1.5955	32.7	1.5955	35.8	2.7325	35.5	2.4335
1	74	28.0	2.6074	33.6	1.6025	32.9	1.5955	35.7	2.7325	35.4	2.4335
2	74	28.0	2.6074	33.6	1.6025	32.9	1.5955	35.7	2.7325	35.4	2.4335
3	74	28.0	2.6074	33.6	1.6025	32.9	1.5955	35.7	2.7325	35.4	2.4335
4	74	28.0	2.6074	33.6	1.6025	32.9	1.5955	35.7	2.7325	35.4	2.4335
1	75	28.7	2.5517	34.1	1.5864	32.9	1.5955	35.7	2.7325	35.4	2.4335
2	75	28.7	2.5517	34.1	1.5864	32.9	1.5955	35.7	2.7325	35.4	2.4335
3	75	28.7	2.5517	34.1	1.5864	32.9	1.5955	35.7	2.7325	35.4	2.4335
4	75	28.7	2.5517	34.1	1.5864	32.9	1.5955	35.7	2.7325	35.4	2.4335
1	76	29.6	2.5054	35.7	1.5715	33.5	1.5522	35.7	2.7312	35.1	2.4261
2	76	29.6	2.5054	35.7	1.5715	33.5	1.5522	35.7	2.7312	35.1	2.4261
3	76	29.6	2.5054	35.7	1.5715	33.5	1.5522	35.7	2.7312	35.1	2.4261
4	76	29.6	2.5054	35.7	1.5715	33.5	1.5522	35.7	2.7312	35.1	2.4261
1	77	30.7	2.4571	36.6	1.5079	34.5	1.5079	36.2	2.0522	36.1	2.0167
2	77	30.7	2.4571	36.6	1.5079	34.5	1.5079	36.2	2.0522	36.1	2.0167
3	77	30.7	2.4571	36.6	1.5079	34.5	1.5079	36.2	2.0522	36.1	2.0167
4	77	30.7	2.4571	36.6	1.5079	34.5	1.5079	36.2	2.0522	36.1	2.0167
1	78	31.5	2.4017	36.8	1.4630	35.6	1.4630	36.2	1.8368	36.1	1.8082
2	78	31.5	2.4017	36.8	1.4630	35.6	1.4630	36.2	1.8368	36.1	1.8082
3	78	31.5	2.4017	36.8	1.4630	35.6	1.4630	36.2	1.8368	36.1	1.8082
4	78	31.5	2.4017	36.8	1.4630	35.6	1.4630	36.2	1.8368	36.1	1.8082
1	79	32.5	2.3535	36.5	1.4281	36.5	1.4281	36.5	1.7185	36.1	1.6943
2	79	32.5	2.3535	36.5	1.4281	36.5	1.4281	36.5	1.7185	36.1	1.6943
3	79	32.5	2.3535	36.5	1.4281	36.5	1.4281	36.5	1.7185	36.1	1.6943
4	79	32.5	2.3535	36.5	1.4281	36.5	1.4281	36.5	1.7185	36.1	1.6943
1	80	33.1	2.3047	36.2	1.4146	36.2	1.4146	36.2	1.7056	36.2	1.6844
2	80	33.1	2.3047	36.2	1.4146	36.2	1.4146	36.2	1.7056	36.2	1.6844
3	80	33.1	2.3047	36.2	1.4146	36.2	1.4146	36.2	1.7056	36.2	1.6844
4	80	33.1	2.3047	36.2	1.4146	36.2	1.4146	36.2	1.7056	36.2	1.6844
1	81	34.1	2.2593	36.0	1.4043	36.0	1.4043	36.0	1.6905	36.0	1.6452
2	81	34.1	2.2593	36.0	1.4043	36.0	1.4043	36.0	1.6905	36.0	1.6452
3	81	34.1	2.2593	36.0	1.4043	36.0	1.4043	36.0	1.6905	36.0	1.6452
4	81	34.1	2.2593	36.0	1.4043	36.0	1.4043	36.0	1.6905	36.0	1.6452
1	82	35.1	2.2104	36.4	1.3882	36.4	1.3882	36.4	1.6295	36.4	1.6153
2	82	35.1	2.2104	36.4	1.3882	36.4	1.3882	36.4	1.6295	36.4	1.6153
3	82	35.1	2.2104	36.4	1.3882	36.4	1.3882	36.4	1.6295	36.4	1.6153
4	82	35.1	2.2104	36.4	1.3882	36.4	1.3882	36.4	1.6295	36.4	1.6153
1	83	36.1	2.1600	36.6	1.4142	36.6	1.4142	36.6	1.5769	36.6	1.5392
2	83	36.1	2.1600	36.6	1.4142	36.6	1.4142	36.6	1.5769	36.6	1.5392
3	83	36.1	2.1600	36.6	1.4142	36.6	1.4142	36.6	1.5769	36.6	1.5392
4	83	36.1	2.1600	36.6	1.4142	36.6	1.4142	36.6	1.5769	36.6	1.5392
1	84	37.1	2.1091	37.4	1.3987	37.4	1.3987	37.4	1.5251	37.4	1.5167
2	84	37.1	2.1091	37.4	1.3987	37.4	1.3987	37.4	1.5251	37.4	1.5167
3	84	37.1	2.1091	37.4	1.3987	37.4	1.3987	37.4	1.5251	37.4	1.5167
4	84	37.1	2.1091	37.4	1.3987	37.4	1.3987	37.4	1.5251	37.4	1.5167
1	85	38.1	2.0591	37.6	1.3865	37.6	1.3865	37.6	1.4718	37.6	1.4657
2	85	38.1	2.0591	37.6	1.3865	37.6	1.3865	37.6	1.4718	37.6	1.4657
3	85	38.1	2.0591	37.6	1.3865	37.6	1.3865	37.6	1.4718	37.6	1.4657
4	85	38.1	2.0591	37.6	1.3865	37.6	1.3865	37.6	1.4718	37.6	1.4657
1	86	39.1	2.0091	38.3	1.3626	38.3	1.3626	38.3	1.4439	38.3	1.4387
2	86	39.1	2.0091	38.3	1.3626	38.3	1.3626	38.3	1.4439	38.3	1.4387
3	86	39.1	2.0091	38.3	1.3626	38.3	1.3626	38.3	1.4439	38.3	1.4387
4	86	39.1	2.0091	38.3	1.3626	38.3	1.3626	38.3	1.4439	38.3	1.4387
1	87	40.1	1.9591	39.4	1.3329	39.4	1.3329	39.4	1.4359	39.4	1.4285
2	87	40.1	1.9591	39.4	1.3329	39.4	1.3329	39.4	1.4359	39.4	1.4285
3	87	40.1	1.9591	39.4	1.3329	39.4	1.3329	39.4	1.4359	39.4	1.4285
4	87	40.1	1.9591	39.4	1.3329	39.4	1.3329	39.4	1.4359	39.4	1.4285
1	88	41.1	1.9091	40.0	1.3019	40.0	1.3019	40.0	1.4117	40.0	1.4059
2	88	41.1	1.9091	40.0	1.3019	40.0	1.3019	40.0	1.4117	40.0	1.4059
3	88	41.1	1.9091	40.0	1.3019	40.0	1.3019	40.0	1.4117	40.0	1.4059
4	88	41.1	1.9091	40.0	1.3019	40.0	1.3019	40.0	1.4117	40.0	1.4059
1	89	42.1	1.8591	40.8	1.2777	40.8	1.2777	40.8	1.3771	40.8	1.3722
2	89	42.1	1.8591	40.8	1.2777	40.8	1.2777	40.8	1.3771	40.8	1.3722
3	89	42.1	1.8591	40.8	1.2777	40.8	1.2777	40.8	1.3771	40.8	1.3722
4	89	42.1	1.8591	40.8	1.2777	40.8	1.2777	40.8	1.3771	40.8	1.3722

1	79	51.7	1.3586	110.5	1.2593	41.3	1.2621	77.5	1.3312	54.3	1.3257
2	79	55.4	1.2752	127.6	1.1542	42.3	1.2471	71.2	1.2457	68.3	1.2455
3	75	58.4	1.2452	174.6	1.1134	43.4	1.2615	73.7	1.2309	71.7	1.2013
4	75	58.2	1.1865	153.6	1.111	44.4	1.1741	77.1	1.1483	73.0	1.1493
5	84	51.0	1.1335	111.4	1.114	45.9	1.1093	51.7	1.0342	79.2	1.0457
6	80	53.8	1.1044	148.6	1.033	47.0	1.0652	77.2	1.0735	73.2	1.0725
7	80	54.1	1.0971	142.1	1.024	47.3	1.0352	77.1	1.0537	79.0	1.0633
8	80	45.0	1.065	147.0	1.024	47.3	1.025	73.0	1.0159	71.0	1.0546
9	81	50.3	1.011	151.0	1.011	48.3	1.004	77.3	1.0112	74.1	1.0107
10	81	72.0	0.9712	155.5	0.9826	48.3	0.9976	77.7	0.9761	86.3	0.9773
11	81	73.1	0.9571	157.5	0.9727	48.3	0.9733	78.1	0.9521	91.2	0.9525

HISTORICAL INFLATION FISCAL YEAR INDICES RAW MATERIAL PORTION ONLY

FY	AIR FORCE PRODUCTION			ENGINE PRODUCTION			AVIONICS PRODUCTION			AGGREGATE AIR VEHICLE EXCLUDING AVIONICS			AGGREGATE AIR VEHICLE INCLUDING AVIONICS		
	INDEX CY67=100.0	FACTOR FY81=1.0000	INDEX CY67=100.0	FACTOR FY81=1.0000	INDEX CY67=100.0	FACTOR FY81=1.0000	INDEX CY67=100.0	FACTOR FY81=1.0000	INDEX CY67=100.0	FACTOR FY81=1.0000	INDEX CY67=100.0	FACTOR FY81=1.0000	INDEX CY67=100.0	FACTOR FY81=1.0000	INDEX CY67=100.0
69	24.7	1.5970	33.6	2.5412	31.1	1.6639	39.0	2.6779	30.0	2.6779	30.0	2.6779	47.463	2.6779	47.463
70	24.7	1.6202	35.2	2.7677	31.4	1.5609	31.6	2.7999	31.5	2.7999	31.5	2.7999	2.6368	2.7999	2.6368
71	26.7	1.7019	42.3	2.4514	31.9	1.5407	34.1	2.5002	33.7	2.5002	33.7	2.5002	2.5139	2.5002	2.5139
72	33.1	1.5777	46.1	2.3111	32.2	1.56175	35.1	2.5239	34.5	2.5239	34.5	2.5239	2.4392	2.5239	2.4392
73	33.1	1.5777	48.3	2.3351	32.7	1.5044	35.8	2.4751	35.4	2.4751	35.4	2.4751	2.5263	2.4751	2.5263
74	38.0	1.5204	44.4	2.1711	33.0	1.5553	34.1	2.5201	34.4	2.5201	34.4	2.5201	2.4234	2.5201	2.4234
75	37.1	1.5777	70.2	2.1594	33.0	1.5534	38.1	2.3741	38.1	2.3741	38.1	2.3741	2.2280	2.3741	2.2280
76	40.0	1.5777	93.3	1.5264	35.4	1.4327	48.3	1.7350	48.3	1.7350	48.3	1.7350	1.7353	1.7350	1.7353
77	43.1	1.5777	101.0	1.5707	35.0	1.4405	52.5	1.5759	51.2	1.5759	51.2	1.5759	1.5759	1.5759	1.5759
78	45.0	1.5777	109.0	1.5019	37.3	1.3978	59.2	1.5759	54.2	1.5759	54.2	1.5759	1.5607	1.5759	1.5607
79	48.1	1.4544	112.6	1.3544	39.3	1.3253	62.5	1.4137	60.2	1.4137	60.2	1.4137	1.4107	1.4137	1.4107
80	52.4	1.2164	125.0	1.2537	41.0	1.2444	69.1	1.2800	66.4	1.2800	66.4	1.2800	1.2797	1.2800	1.2797
81	52.2	1.1277	147.3	1.0372	47.6	1.0542	81.1	1.0310	77.3	1.0310	77.3	1.0310	1.0321	1.0310	1.0321
91	75.2	1.0000	122.1	1.0000	52.1	1.0000	84.6	1.0000	84.6	1.0000	84.6	1.0000	1.0000	1.0000	1.0000