This Handbook is a guide for the use of all personnel engaged in handling NASA files. It is issued in accordance with the regulations of the National Archives and Records Administration, in the Code of Federal Regulations Title 36, Part 1224, Files Management; and the Federal Information Resources Management Regulation, Subpart 201-45.108, Files Management.

It is intended to provide a standardized classification and filing scheme to achieve maximum uniformity and ease in maintaining and using agency records. It is a framework for consistent organization of information in an arrangement that will be useful to current and future researchers.

The NASA Uniform Files Index coding structure is composed of the subject classification table used for NASA management directives and the subject groups in the NASA scientific and technical information system. It is designed to correlate files throughout NASA and it is anticipated that it may be useful with automated filing systems.

It is expected that in the conversion of current files to this arrangement it will be necessary to add tertiary subjects and make further subdivisions under the existing categories. Established primary and secondary subject categories may not be changed arbitrarily. Proposals for additional subject categories of NASA-wide applicability, and suggestions for improvement in this handbook should be addressed to the Records Program Manager at the pertinent installation who will forward it to the NASA Records Management Office, Code NTR, for approval.

This Handbook is issued in loose-leaf form and will be revised by page changes.

NHB 1442.1, dated June 1985, is cancelled.

Arell E. Weaver
Acting Assistant Associate Administrator,
Information Resources Management
# TABLE OF CONTENTS

| Introduction                                      | 111 |
| NASA Uniform Files Index                        | 1   |
| **NASA Management Files**                       | 3   |
| Primary Subject Identification Codes            | 3   |
| Secondary Subject Identification Codes           | 4   |
| Alphabetical Relative Index                      | 11  |
| **NASA Scientific and Technical Information Files** | 51  |
| Primary Subject Identification Codes            | 51  |
| Secondary Subject Identification Codes           | 59  |
| Alphabetical Relative Index                      | 75  |
INTRODUCTION

NHB 1442.1A, NASA Uniform Files Index, is to be used to establish a standard pattern of files in NASA Offices. It can be used whether the control system is manually operated or computer based. A file is a collection of related records. Each record in a file is included because it pertains to the same agency business.

The arrangement can be used by any NASA office regardless of the size and volume of files. It is not necessary for offices to set up files in all subject categories. Only those subjects which reflect actual responsibilities should be selected for the office files outline.

Records provide the information essential to the agency's efficient and continued operation. The usefulness of recorded information is largely dependent upon the logical arrangement and file organization determines how the records will be retrieved.

Whether an office maintains a large volume of records or merely a few files, they should be kept in such a manner that persons can readily obtain them when needed. The records of an office must remain usable regardless of personnel or organizational changes. It is necessary, therefore that some deliberate plan be used for filing records so that a "finding key" to the information will be available and the file arrangement will be understandable to all persons who use the records. Use of the NASA Uniform Files Index will simplify the inevitable transfer of custodianship of the files to other employees.

Some current file categories that follow established patterns which have been adopted for agency use are: Contract Files/Procurement follow the Federal Acquisitions Regulations (FAR); Personnel (Human Resources) Files follow the Personnel Management Manual (PMM); and, Financial Management Files follow the Financial Management Manual (FMM).

STEPS TO FOLLOW:

1. The first step is to list current office files. Do not include old inactive files in this listing.

2. Compare this list to the NASA Uniform Files Index, number like files, and rearrange in numerical order at the earliest convenience.

   It may be necessary to add subdivisions under existing categories. Subdivisions, such as the name of projects, contract numbers, and work categories are logical extensions and should be assigned arabic numerals. For example, 3451—Incentive Awards, can be divided by making the following subdivision: 3451.1—Step Increases (Routine) and 3451.2—Quality Step Increases (QSI).
Selection of the file subject categories is based upon office functions. All incoming items are acted upon according to recognizable work subjects. If one can clearly distribute incoming mail in an orderly manner, the identical pattern in determining primary subject headings for files is applicable. Subdivisions are most useful when they show the natural categories under which incoming work is sorted for action (such as the preceding example). The primary subject should define incoming work according to the program. Secondary subjects define the work according to the action assignment.

3. Make a final listing of the files and their associated numbers to be used as a guide in locating and refiling records. Place this guide in a convenient location accessible to office personnel.

Filing, retrieval and refiling of records will become easier as familiarity with use of the index increases. There is a relative subject index located at the back of the handbook to help determine file categories.

4. Add any new files as required and periodically update the file listing.

REMEMBER . . .

WHERE YOU FILE IT IS WHERE YOU FIND IT!
# NASA UNIFORM FILES INDEX

## SUBJECT NUMBERS

<table>
<thead>
<tr>
<th>MAJOR SUBJECT GROUPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000-9999</td>
</tr>
<tr>
<td>I. MANAGEMENT FILES</td>
</tr>
<tr>
<td>1000-1999</td>
</tr>
<tr>
<td>2000-2999</td>
</tr>
<tr>
<td>3000-3999</td>
</tr>
<tr>
<td>4000-4999</td>
</tr>
<tr>
<td>5000-5999</td>
</tr>
<tr>
<td>6000-6999</td>
</tr>
<tr>
<td>7000-7999</td>
</tr>
<tr>
<td>8000-8999</td>
</tr>
<tr>
<td>9000-9899</td>
</tr>
<tr>
<td>9900-9999</td>
</tr>
<tr>
<td>01-99</td>
</tr>
<tr>
<td>II. SCIENTIFIC AND TECHNICAL INFORMATION FILES</td>
</tr>
<tr>
<td>01-</td>
</tr>
<tr>
<td>12-</td>
</tr>
<tr>
<td>23-</td>
</tr>
<tr>
<td>31-</td>
</tr>
<tr>
<td>42-</td>
</tr>
<tr>
<td>51-</td>
</tr>
<tr>
<td>59-</td>
</tr>
<tr>
<td>70-</td>
</tr>
<tr>
<td>80-</td>
</tr>
<tr>
<td>88-</td>
</tr>
<tr>
<td>99-</td>
</tr>
</tbody>
</table>
FILE TYPE DESCRIPTIONS BY MAJOR SUBJECT

1000 - 1999 ORGANIZATION AND ADMINISTRATIVE
General office files; suspense files; requisitions for supplies; routine correspondence; transitory files; organization charts; finding and reference aids; public affairs; international activities; forms; standards of conduct; report controls; feasibility studies; privacy act; FOIA; safety; health; postal services.

2000 - 2999 LEGAL AND TECHNICAL
Legal matters; court decisions; technology utilization; scientific and technical documentation; management information systems; automatic data processing (ADP); communications; photographic equipment, services, and supplies.

3000 - 3999 PERSONNEL
Employment paperwork/records; counseling; performance; time and attendance; insurance and annuities; position classification (PD); pay and allowances; retirement; training (career development); awards; grievance; injury; charity drives; contributions; savings bond; Official Personnel Folder; civilian and military; examinations; recruitment; and human resources management.

4000 - 4999 PROPERTY AND SUPPLY
Excess; surplus; inventory; requisitions; requirements; equipment accountability (NEMS); real; use and replacement; utilization and disposal; storage; receiving and inspection; distribution; and supply management.

5000 - 5999 INDUSTRY RELATIONS AND PROCUREMENT
Small and Disadvantaged business information; procurement, related documents and actions; bids and proposals; contract management; labor relations; patents; statements-of-work; grants; inventions and contributions; taxes; purchase orders; bonds; reliability and quality assurance; clauses; termination of contracts; copyrights; and contract management procedures.

6000 - 6999 TRANSPORTATION
Commercial freight services; traffic management; transportation of cargo; preparation and handling of cargo; airlift service; NASA aircraft; motor vehicle operation/management.

7000 - 7999 PROGRAM FORMULATION
Agency goals and objectives; long-range planning; research and development project planning/approval; institutional planning/approval; program operating plans; resources authority; and human resources utilization.

8000 - 8999 PROGRAM MANAGEMENT
Major flight and development; advanced studies; supporting research and technology; grants and research contracts; tracking and data acquisition; program support services; mission reports; real property and facilities for program; program medical support; safety and health applications (OSHA); and program and project operations.

9000 - 9899 FINANCIAL MANAGEMENT
General principles and policies; agencywide coding structure; accounting; installation financial reports; fiscal operations; NASA travel; payroll; treasury; claims; vouchers; travel advances-authorizations; user charges; revenue accounting, budget policy files.

9900 - 9999 AUDITS AND INVESTIGATIONS -- INSPECTOR GENERAL
Audits; policies and procedures; relationship with GAO; and investigations (IG).
## 1600

**SECURITY** ........................................ 1600
Personnel Security .................................. 1610
Physical Security .................................... 1620
Control of Classified Information ............... 1630
Security Classification .......................... 1640
Industrial Security ................................ 1650
Security Education ................................ 1670
Visitors and Foreign Travel Control ........... 1680
Security Surveys .................................... 1690

## 1700

**SAFETY** ............................................. 1700
Basic Policy ....................................... 1701
NASA Safety/Accident Prevention Program .......... 1710
Accident Reporting & Investigation .............. 1711
Injury Reporting .................................... 1712
Explosive Safety .................................... 1720
Protective Clothing and Equipment ............... 1730
Safety Standards ..................................... 1740

## 1800

**OCCUPATIONAL MEDICINE** ....................... 1800
Professional Medical Services ..................... 1810
Medicines .............................................. 1812
Clinical Facilities .................................. 1814
Narcotics and Drugs ................................ 1815
Preventive Medicine ............................... 1820
Physical Fitness ..................................... 1830
Industrial Hygiene ................................... 1840
Health Standards .................................... 1845
Toxicology ............................................. 1850
Advisory Center on Toxicology ..................... 1852
Radiological Health ................................ 1860
Environmental Sanitation .......................... 1870
Entomology ............................................ 1880
Disaster Medical Planning ......................... 1890

## 1900

**STANDARDS OF CONDUCT** ....................... 1900

**LEGAL AND TECHNICAL**  
2000-2999

## 2000

**LAWS AND LEGAL MATTERS** ..................... 2000
Law .................................................... 2010
Civil Law ............................................. 2011
Criminal Law ....................................... 2012
Administrative Law .................................. 2013
Procedural Law ..................................... 2014
Federal Law ......................................... 2015
Foreign Law ......................................... 2016
International Law .................................... 2018
Statute Law .......................................... 2019
Case Law .............................................. 2020
Legal Assistance ..................................... 2030
Taxes, Customs, and Duties ......................... 2040
Courts, Boards, and Arbitration .................... 2050
Codifications and Citations ....................... 2060
Interpretations ..................................... 2070
Claims .................................................. 2080
Tort Claims .......................................... 2092
Contract Claims ..................................... 2093
Civil Rights .......................................... 2090

## 2100

**TECHNOLOGY UTILIZATION** ..................... 2100
Programs and Policies ................................ 2100
Flash Sheets ......................................... 2120
Appraisal and Evaluations .......................... 2121
Tech Briefs .......................................... 2130
Tech Briefs Distribution ............................ 2131
Patent Statements .................................... 2140
Reporting Industrial Applications .................. 2150
Information and Applications Centers ............. 2160
Contractors New Technology Management .......... 2170
Technology Transfer .................................. 2180
Export Control ....................................... 2190

## 2200

**SCIENTIFIC AND TECHNICAL INFORMATION** . 2200
STI Data Bases ....................................... 2210
Publications Program ................................ 2220
Library Program ...................................... 2240
ARIN (Aerospace Research Information Network) ... 2242
Exchange Program .................................... 2250
Domestic Exchanges .................................. 2252
International Exchanges ............................. 2254
User Services ........................................ 2260
Announcement/Current Awareness .................... 2262
Document Delivery .................................... 2264
RECON (Remote Console) ............................. 2266
Translations .......................................... 2268
Document Operations ................................ 2270
Abstracting/Indexing ................................ 2272
Distribution/Availability ......................... 2274
Thesaurus ............................................. 2276
Specifications and Standards ....................... 2280
Program Office Projects ............................. 2290

## 2300

**MANAGEMENT INFORMATION SYSTEMS** .......... 2300
General Policies and Procedures ................... 2305
Information Resources Management-IRM ............ 2310
Documentation Management Systems ................. 2314
Management Presentations and Reviews .............. 2320
Planning and Scheduling Systems ................... 2330
NASA PERT and Companion Cost ..................... 2332
Line of Balance ..................................... 2334
Milestone Systems ................................... 2336
Project Status Reporting ............................ 2340

## 2400

**AUTOMATIC DATA PROCESSING** ................ 2400
ADP Management Policies & Procedures .............. 2410
Computer Program Documentation ..................... 2415
Data Reduction and Interpretation .................. 2420
Equipment Utilization and Control .................. 2430
Data Display ......................................... 2440
Personnel Management ................................ 2450

## 2500

**COMMUNICATIONS** ................................ 2500
General ................................................. 2510
NASA Communications System ........................ 2520
Telecommunications and Messages .................. 2530
Administrative Communications ..................... 2540
Cryptography ......................................... 2550
Radio Frequency Management ......................... 2570

## 2600

**PHOTOGRAPHIC EQUIPMENT AND SERVICES** .. 2600
Camera Supplies and Attachments ................... 2610
Photographic Instrumentation ....................... 2620
Photography Services ................................ 2630
Projectors and Operator Services ................. 2640
<table>
<thead>
<tr>
<th>Page 3000</th>
<th>General</th>
<th>Personnel Management (Human Resources)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000-3999</td>
<td></td>
<td>3000-3999</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Page 3100</th>
<th>Executive Human Resources Management (SES, Senior Executive Service)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3100</td>
<td>3100</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Page 3200</th>
<th>General Personnel Provisions</th>
</tr>
</thead>
<tbody>
<tr>
<td>3200</td>
<td>3200</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Page 3300</th>
<th>Employment (general)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3300</td>
<td>3300</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Page 3400</th>
<th>Employee Performance and Utilization</th>
</tr>
</thead>
<tbody>
<tr>
<td>3400</td>
<td>3400</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Page 3500</th>
<th>Position Classification, Pay, and Allowances</th>
</tr>
</thead>
<tbody>
<tr>
<td>3500</td>
<td>3500</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Page 3600</th>
<th>Time and Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>3600</td>
<td>3600</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Page 3700</th>
<th>Personnel Relations and Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>3700</td>
<td>3700</td>
</tr>
<tr>
<td>Code</td>
<td>Section</td>
</tr>
<tr>
<td>------</td>
<td>----------------------------------------------</td>
</tr>
<tr>
<td>3800</td>
<td>INSURANCE AND ANNUITIES</td>
</tr>
<tr>
<td></td>
<td>Injury Compensation</td>
</tr>
<tr>
<td></td>
<td>Retirement and Social Security</td>
</tr>
<tr>
<td></td>
<td>Retirement</td>
</tr>
<tr>
<td></td>
<td>Old-Age and Survivors Insurance</td>
</tr>
<tr>
<td></td>
<td>Unemployment Compensation</td>
</tr>
<tr>
<td></td>
<td>Group Life Insurance</td>
</tr>
<tr>
<td></td>
<td>Group Health Insurance</td>
</tr>
<tr>
<td>3900</td>
<td>GENERAL AND MISCELLANEOUS</td>
</tr>
<tr>
<td></td>
<td>Programs for Specific Positions and Examinations</td>
</tr>
<tr>
<td></td>
<td>Qualification Requirements for Specific Positions</td>
</tr>
<tr>
<td></td>
<td>Classification and Pay for Specific Positions</td>
</tr>
<tr>
<td></td>
<td>Charity Drives, Contributions, and Solicitations</td>
</tr>
<tr>
<td></td>
<td>Credit Unions and Banking Facilities</td>
</tr>
<tr>
<td></td>
<td>United States Savings Bonds</td>
</tr>
<tr>
<td></td>
<td>Space Flight Participants</td>
</tr>
<tr>
<td>4000</td>
<td>PROPERTY AND SUPPLY 4000-4999</td>
</tr>
<tr>
<td></td>
<td>Government Property Responsibility</td>
</tr>
<tr>
<td></td>
<td>Property Surveys, Lost, Damaged, and Destroyed</td>
</tr>
<tr>
<td></td>
<td>Workload and Planning</td>
</tr>
<tr>
<td></td>
<td>Supply Sampling</td>
</tr>
<tr>
<td></td>
<td>Sources of Supply</td>
</tr>
<tr>
<td></td>
<td>Returnable Containers</td>
</tr>
<tr>
<td>4100</td>
<td>INVENTORY MANAGEMENT</td>
</tr>
<tr>
<td></td>
<td>Criteria for Inventory</td>
</tr>
<tr>
<td></td>
<td>Management of Stores Stock</td>
</tr>
<tr>
<td></td>
<td>Physical Inventory</td>
</tr>
<tr>
<td>4200</td>
<td>EQUIPMENT MANAGEMENT</td>
</tr>
<tr>
<td></td>
<td>Property Accountability and Controls</td>
</tr>
<tr>
<td></td>
<td>Use and Replacement Standards</td>
</tr>
<tr>
<td>4300</td>
<td>UTILIZATION AND DISPOSAL</td>
</tr>
<tr>
<td></td>
<td>Utilization and Excess</td>
</tr>
<tr>
<td></td>
<td>Disposal of Foreign Excess</td>
</tr>
<tr>
<td></td>
<td>Exchange and Sale of Property</td>
</tr>
<tr>
<td></td>
<td>Reporting of Excess &amp; Surplus</td>
</tr>
<tr>
<td></td>
<td>Cannibalization of Equipment</td>
</tr>
<tr>
<td>4400</td>
<td>SUPPLY CATALOGING</td>
</tr>
<tr>
<td></td>
<td>Maintenance of Federal Cataloging</td>
</tr>
<tr>
<td></td>
<td>Provisioning Screening Procedures</td>
</tr>
<tr>
<td></td>
<td>Local Stock Lists</td>
</tr>
<tr>
<td>4500</td>
<td>STORAGE AND DISTRIBUTION</td>
</tr>
<tr>
<td></td>
<td>Storage Standards and Criteria</td>
</tr>
<tr>
<td></td>
<td>Receiving and Inspection Procedures</td>
</tr>
<tr>
<td></td>
<td>Distribution Processes</td>
</tr>
<tr>
<td>4600</td>
<td>EXPANDED SUPPLY CONTROL</td>
</tr>
<tr>
<td></td>
<td>On-Site Working Stores</td>
</tr>
<tr>
<td>5000</td>
<td>INDUSTRY RELATIONS AND PROCUREMENT 5000-5999</td>
</tr>
<tr>
<td></td>
<td>GENERAL</td>
</tr>
<tr>
<td>5100</td>
<td>PROCUREMENT (CONTRACTS)</td>
</tr>
<tr>
<td></td>
<td>Federal Acquisition Regulations</td>
</tr>
<tr>
<td></td>
<td>Systems</td>
</tr>
<tr>
<td></td>
<td>Definitions of Words and Terms</td>
</tr>
<tr>
<td></td>
<td>Improper Business Practices and Personal Conflicts of Interest</td>
</tr>
<tr>
<td></td>
<td>Administrative Matters</td>
</tr>
<tr>
<td></td>
<td>Publicizing Contract Actions</td>
</tr>
<tr>
<td></td>
<td>Competition Requirements</td>
</tr>
<tr>
<td></td>
<td>Acquisition Planning</td>
</tr>
<tr>
<td></td>
<td>Required Sources of Supplies and Services</td>
</tr>
<tr>
<td></td>
<td>Contractor Qualifications</td>
</tr>
<tr>
<td></td>
<td>Specifications, Standards, and Other Purchase Descriptions</td>
</tr>
<tr>
<td></td>
<td>Acquisition &amp; Distribution of Commercial Products</td>
</tr>
<tr>
<td></td>
<td>Contract Delivery or Performance</td>
</tr>
<tr>
<td></td>
<td>Small Purchase &amp; Other Simplified Purchase Procedures</td>
</tr>
<tr>
<td></td>
<td>Procurement by Sealed Bidding</td>
</tr>
<tr>
<td></td>
<td>Contracting by Negotiation</td>
</tr>
<tr>
<td></td>
<td>Types of Contracts</td>
</tr>
<tr>
<td></td>
<td>Special Contracting Methods</td>
</tr>
<tr>
<td></td>
<td>Small &amp; Disadvantaged Business Concerns</td>
</tr>
<tr>
<td></td>
<td>Labor Surplus Area Concerns</td>
</tr>
<tr>
<td></td>
<td>Application of Labor Laws to Government Acquisitions</td>
</tr>
<tr>
<td></td>
<td>Environment, Conservation &amp; Occupational Safety</td>
</tr>
<tr>
<td></td>
<td>Foreign Acquisition</td>
</tr>
<tr>
<td></td>
<td>Patents, Data, Innovations and Copyrights</td>
</tr>
<tr>
<td></td>
<td>Bonds and Insurance</td>
</tr>
<tr>
<td></td>
<td>Taxes</td>
</tr>
<tr>
<td></td>
<td>Cost Accounting Standards</td>
</tr>
<tr>
<td></td>
<td>Contract Cost Principles &amp; Procedures</td>
</tr>
<tr>
<td></td>
<td>Contract Financing</td>
</tr>
<tr>
<td></td>
<td>Protests, Disputes, and Appeals</td>
</tr>
<tr>
<td></td>
<td>Major System Acquisition</td>
</tr>
<tr>
<td></td>
<td>Research and Development Contracting</td>
</tr>
<tr>
<td></td>
<td>Construction &amp; Architect-Engineer Contracts</td>
</tr>
<tr>
<td></td>
<td>Service Contracting</td>
</tr>
<tr>
<td></td>
<td>Federal Supply Schedule Contracting</td>
</tr>
<tr>
<td></td>
<td>Management, Acquisition &amp; Use of Information Resources</td>
</tr>
<tr>
<td></td>
<td>Contract Administration</td>
</tr>
<tr>
<td></td>
<td>Contract Modifications</td>
</tr>
<tr>
<td></td>
<td>Subcontracting Policies &amp; Procedures</td>
</tr>
<tr>
<td></td>
<td>Transportation</td>
</tr>
<tr>
<td></td>
<td>Value Engineering</td>
</tr>
<tr>
<td></td>
<td>Termination of Contracts</td>
</tr>
</tbody>
</table>
7200 INSTITUTIONAL PLANNING AND APPROVAL 7200
Establishment of Agency Institutional
Goals and Objectives 7210
Establishment of Installation
Institutional Goals and Objectives 7220
Institutional Planning-
Center Development 7230
Human Resources Planning and Plans 7231
Facility Master Planning and Plans 7232
Installation Technical Capability
Planning and Plans 7233
Installation Institutional Capability
Planning and Plans 7234
Site Selection 7235

7300 FACILITY PLANNING AND APPROVAL 7300
Facility Requirements Determination 7310
Facility Design Standards, Criteria,
and Procedures 7320
Facility Project Planning & Approval
(C of F) 7330
Industrial Facilities Planning
and Approval 7340

7400 BUDGET FORMULATION AND EXECUTION 7400
General 7410
Preliminary Budget (Budget Review) 7420
Budget Call (Instructions and
Guidelines) 7421
Preparation and Submission of
Estimates 7422
Headquarters Review & Approval 7423
Formulation of Annual Appropriation
and Authorization Languages 7430
President's Budget 7440
Budget Call 7441
Preparation and Submission of
Estimates 7442
Headquarters Review and Approval 7443
External Agency Review & Approval 7444
Congressional Budget 7450
Budget Call 7451
Preparation & Submission of Material
2452
Headquarters Review and Approval 7453
Preparation and Submission of
Congressional Budget 7454
Conduct of NASA Participation in
Congressional Hearings 7460

7500 COMMERCIALIZATION 7500

7600 PROGRAM OPERATING PLANS 7600
General Policies and Procedures 7610
Research and Program Management 7620
Research and Development 7630
Construction of Facilities 7640

7700 HUMAN RESOURCES UTILIZATION 7700
General 7710
Determination of Human Resources
Requirements 7720
Personnel Placement Coordinating and
Controls 7730
Human Resources Utilization Program
and Reports 7740

7800 RESOURCES AUTHORITY ALLOCATION SYSTEM 7800
General 7810
Research and Program Management 7820
Research and Development 7830
Construction of Facilities 7840

7900 AIRCRAFT OPERATIONS AND MANAGEMENT 7900
Aircraft Operations Management 7910
Administrative Aircraft Management 7920

8000 PROGRAM MANAGEMENT 8000-8900
8000 GENERAL 8000
Major Flight and Development 8005
Program Control 8010
Flight Experiments and Tasks 8030
Configuration Control 8040
Systems Integration and Checkout 8050
Systems Design 8060
Standards and Specifications 8070
Tests and Testing 8080

8100 ADVANCED STUDIES 8100
General 8110
Conduct of Studies 8120
Study Reports 8130
In-House Reports 8132
Contractor Study Reports 8134

8200 SUPPORTING RESEARCH AND TECHNOLOGY 8200
General 8210
Conduct of SRT 8220
Coordination and Dissemination 8230

8300 GRANTS AND RESEARCH CONTRACTS 8300
General 8310
University Program 8320
Evaluation of Proposals 8330
Termination 8340

8400 TRACKING AND DATA ACQUISITION 8400
General 8410
Network Assignment and Management 8420
Network Planning and Coordination 8430

8500 SUPPORT SERVICES 8500

8600 OPERATIONS 8600
General 8610
Mission Reports 8620
Mission Failure Investigations and
Reports 8621
Launch Operations 8630
Launch Scheduling 8631
Launch Dates 8632
Launch Testing 8635
Flight Operations 8640
Astronauts 8650
Payload Specialists 8651
Range Integration and Support 8660
Weather 8670

8700 STANDARDS 8700
Safety and Health Standards Systems 8710
Occupational Safety and Health
Program Application (OSHA) 8720
REAL PROPERTY AND FACILITIES .......... 8800
Land and Improvements ................. 8810
Acquisition ................................ 8811
Utilization and Management ............. 8812
Transfer of Disposal ..................... 8813
Housing and Personnel Quarters ......... 8814
Construction of Facilities .............. 8820
General .................................... 8821
Criteria and Standards .................. 8822
Design and Engineering .................. 8823
Cost Estimation ........................... 8824
Inspection, Supervision, & Acceptance . 8825
Major Construction ....................... 8826
Minor Construction ....................... 8827
Altemations and Repairs .................. 8828
Maintenance, Repair, and Operation of Facilities ...................... 8830
General .................................... 8831
Criteria and Standards .................. 8832
Inspections ................................ 8833
Structure and Equipment .................. 8834
Grounds and Appurtenances ................ 8835
Utility Systems ............................. 8836
Refuse Collection and Disposal .......... 8837
Fire Protection and Fire Fighting ....... 8838
Plant Support Services ..................... 8839
Logistics .................................... 8850

PROGRAM MEDICAL SUPPORT .......... 8900
FINANCIAL MANAGEMENT .......... 9000-9900

FINANCIAL MANAGEMENT .......... 9000-9900

9000 PRINCIPLES AND GENERAL POLICIES ...... 9000
Introduction to the NASA Financial Management Manual .......... 9001
Definitions of Financial Management Terms ...................... 9020
Criteria for Recording and Reporting Commitments ................ 9030
Criteria for Recording and Reporting Obligations ................ 9040
Cash Management ................................ 9050
Accrual Accounting ........................... 9060
User Charges and Rental Charges .................. 9080
Guidelines Applicable to Reimbursable Agreements ............... 9090

AGENCYWIDE CODING STRUCTURE (AWCS) .......... 9100
General ..................................... 9101
Reimbursable Agreement Number System ................. 9110
Coding Structure ................................ 9120
The AWCS Automated System or (UPN, Unique Project Number) ...... 9130

ACCOUNTING .................................. 9200
General Ledger Accounting ................... 9220
Allotment Accounting .......................... 9230
Cost Accounting ................................ 9240
Property Accounting ........................... 9250
Revenue Accounting ............................ 9260
Miscellaneous Accounting ..................... 9280

FINANCIAL REPORTS ...................... 9300-9999
General ..................................... 9301
Agency Reports ................................ 9310
Installation Program Reports .................. 9320
Installation Fiscal Activity Reports .......... 9340
Installation Functional Reports ................ 9350
Installation Civilian Pay Reports .............. 9360
Installation Miscellaneous Reports ............. 9380
Installation Fiscal Year-End Reporting & Accounting Requirements ........ 9390

9400 RESERVED

9500 RESERVED

9600 FISCAL OPERATIONS .................. 9600
Payroll, Leave and Allowances .................. 9620
Voucher Examination and Payment ................ 9630
Claims ....................................... 9640
Erroneous Payment of Salaries and Wages ................. 9645
Treasury/NASA Transactions and Relationships .............. 9650
Vital Records and Emergency Transactions .............. 9660
Payment for Transportation Services Procured through the Department of Defense .............. 9670

9700 NASA TRAVEL REGULATIONS .......... 9700
General Provisions ........................... 9710
Travel Requests and Authorizations ................ 9720
Transportation and Related Expenses .............. 9730
Temporary Duty Travel ................................ 9740
Actual Expense Travel ................................ 9750
Change of Assignment to Permanent Duty Station .............. 9760
Evacuation & Adverse Conditions Travel .......... 9770
Allowable Expenses Connected with the Death of Employees and Deceased Dependents ................ 9780
Advances and Reimbursement Claims for Travel, Transportation, and Miscellaneous Expenses .............. 9790

AUDITS AND INVESTIGATIONS .......... 9900-9999

9900 GENERAL (AUDITS AND INVESTIGATIONS) .......... 9900
Audit Policies and Procedures ................ 9910
Relationship with GAO ................................ 9920
Investigations Policies and Procedures .............. 9950
### NASA MANAGEMENT FILES

**ALPHABETICAL RELATIVE INDEX**

<table>
<thead>
<tr>
<th>Index NRS No. No.</th>
<th>NRS No. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>INDEX NRS 11</td>
<td>Index NRS 11</td>
</tr>
</tbody>
</table>

#### ABSENCE

... ALSO SEE "Personnel" ...

#### ACCIDENTS

- Casualty Reports: 1711
- Compensation, Work-Related Injuries: 3810
- Definitions
- Policies
- Reporting Requirements
- Responsibilities
- Mission Failure Investigation: 8621
- Motor Vehicle, Report: 6750
- Operations, Investigations/Documentation: 8621
- Personnel: 3000
- Prevention Program: 1710
- Program Management: 8000
- Release of Information, To the Public: 1382
- Policies on Responsibilities
- Safety
- Vehicles Rented by NASA Travelers, Claims for: 9730
- Disposition of NASA Liability, Limitations of Processing, Procedures for Travelers, Responsibilities

#### ACCOUNTABILITY

- Classified Document: 1600
- Keys, Security and Protective: 1610
- Personal Property, Files: 1620
- Property (Physical/Equipment): 4210
- Transportation and Travel: 9700

#### ACCOUNTING

- Accountable Officers' Returns: 9000
- Accounting: 9200
- Accrual: 9060
- Allotment: 9230
- Availability of Funds: 9200
- Collection of Funds: 9600
- Correspondence: 9200
- Cost: 9240
- General Ledger: 9220
- Leave: 3630
- Miscellaneous: 9280
- Property: 9250
- Revenue: 9260
- Stance: 5131
- ... ALSO SEE "Financial Management"

#### ACCOUNTS

- Accounts, General: 9000
- Postage and Control: 9000
- Address Codes, FEDSTRIP and MILSTRIP, Coordination of: 4050

#### ADMINISTRATIVE

- Aircraft, Operations Manual: 7920
- Committees, Boards, Panels: 1150
- ... ALSO SEE "COMMITTEES"
- Intra-Agency: 1152
- Interagency: 1154
- Advisory: 1156
- Directives: 1410

#### ADMINISTRATIVE CONTINUED:

- Forms: 1420
- Management Improvement: 1470
- Management Programs: 1400
- Organization: 1100
- Publications: 1480
- Records Management: 1440
- Reports Control: 1415
- Administrative Services: 1500

#### ADMINISTRATOR

- Authority to Act for: 1162
- Flag Official: 1020
- Fund: 9050
- Lines of Succession: 1162
- RESPONSIBILITIES:
  - Accident/Mission Failure: 8621
  - Aerospace Safety Advisory Panel: 1156

#### ADMINISTRATOR, ASSOCIATE DEPUTY

- RESPONSIBILITIES:
  - Federal Register Documentation: 1412
  - Freedom of Information Act: 1382
  - Personnel Training in Foreign Countries by Foreign Institutions: 3410
  - Privacy Act of 1974: 1382
  - Role and Responsibilities: 1103

#### ADMINISTRATOR, DEPUTY

- Flag Official: 1020
- Lines of Succession: 1162
- RESPONSIBILITIES:
  - Accident/Mission Failure: 8621
  - Aerospace Safety Advisory Panel: 1156

- Administrator's Fund: 9050
- ADP (Automatic Data Processing): 2400
- Advance Waiver Review Panel: 1152
- Advanced Research and Technology: 7100
- Advanced Studies: 8100
- Adverse Actions: 3752
- Advertising, Paid: 1102
- Advisory Council: 1156
- Advisory Groups: 1156
- ... ALSO SEE "Committees"
- Aerial Film: 7100
- ... ALSO SEE "Cartography"
- Aeronautics Advisory Committee: 1156

#### AERONAUTICS AND SPACE PROGRAMS

- Inspection, Provisions For: 5300
- International Participation: 1362
- Development of Initiation of Objectives of Proposals for: 1156
<table>
<thead>
<tr>
<th>Index NRS</th>
<th>No. No.</th>
<th>Index NRS</th>
<th>No. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alert Reporting System</td>
<td>5310</td>
<td>GIDEP Notification</td>
<td>8610</td>
</tr>
<tr>
<td>Reporting Requirements/Procedures</td>
<td>5310</td>
<td>Responsibility for</td>
<td>5310</td>
</tr>
<tr>
<td>Aliens</td>
<td>1610</td>
<td>... ALSO SEE “Security”</td>
<td>5310</td>
</tr>
<tr>
<td>Allowances (Personnel Related)</td>
<td>3500</td>
<td>... ALSO SEE “Financial Management”</td>
<td>5310</td>
</tr>
<tr>
<td>AMERICAN</td>
<td>1710</td>
<td>National Standards Institute (ANSI)</td>
<td>1710</td>
</tr>
<tr>
<td>Petroleum Institute (API)</td>
<td>1710</td>
<td>Society for Testing and Materials (ASTM)</td>
<td>1710</td>
</tr>
<tr>
<td>Society of Mechanical Engineers (ASME)</td>
<td>1710</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AMES RESEARCH CENTER (ARC)</td>
<td>1107</td>
<td>... ALSO SEE “Field Installations”</td>
<td>1107</td>
</tr>
<tr>
<td>Ammunition Storage</td>
<td>1620</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANNOUNCEMENT OF OPPORTUNITY (AO)</td>
<td>8030</td>
<td>Guidelines/Acquisitions of</td>
<td>8030</td>
</tr>
<tr>
<td>Investigations</td>
<td>7100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Space Science Experiments</td>
<td>7100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual Leave</td>
<td>3630</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annual Obligation Reports, Certification of</td>
<td>9000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annuities</td>
<td>3800</td>
<td>... ALSO SEE “Personnel”</td>
<td>3800</td>
</tr>
<tr>
<td>... ALSO SEE “Financial Management”</td>
<td>9100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARMY (Corps of Engineers)</td>
<td>8811</td>
<td>Leases, Real Property</td>
<td>8812</td>
</tr>
<tr>
<td>Services For, Leaseholds, Permits, and Licenses</td>
<td>8813</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ARTIFACTS</td>
<td>4310</td>
<td>Identification and Disposition of</td>
<td>4310</td>
</tr>
<tr>
<td>Committee</td>
<td>4310</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ASTRONAUTS</td>
<td>8650</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accidents/Release of Information</td>
<td>1382</td>
<td>Badges</td>
<td>1020</td>
</tr>
<tr>
<td>Congressional Space Medal of Honor</td>
<td>1020</td>
<td>Procedures for Nominating</td>
<td>1020</td>
</tr>
<tr>
<td>Disease &amp; Injury Exposure Control</td>
<td>8900</td>
<td>Medical/Dental Care Program</td>
<td>8900</td>
</tr>
<tr>
<td>Official Flight Kits</td>
<td>1900</td>
<td>Payload Specialist</td>
<td>8651</td>
</tr>
<tr>
<td>Personal Preference Kits</td>
<td>1900</td>
<td>Public Appearances By</td>
<td>1384</td>
</tr>
<tr>
<td>Recruitment and Selection</td>
<td>8610</td>
<td>Policy on, Responsibility for &amp; Scheduling of</td>
<td>3330</td>
</tr>
<tr>
<td>Alcohol Abuse Program</td>
<td>3792</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alcohol Abuse Program</td>
<td>3792</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AERONAUTICS AND SPACE TECHNOLOGY - OFFICE OF</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Associate Administrator:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Authority to Act for</td>
<td>1102</td>
<td>Lines of Succession</td>
<td>1102</td>
</tr>
<tr>
<td>Committee</td>
<td>1152</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RESPONSIBILITIES:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accident/Mission Failure</td>
<td>8621</td>
<td>GIDEP Utilization</td>
<td>5310</td>
</tr>
<tr>
<td>Program Planning</td>
<td>1102</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organization and Responsibilities</td>
<td>1102</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scientific &amp; Technical Information, Presentation/Publication</td>
<td>2220</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aeronautics, Proposals for Outside Investigations</td>
<td>8030</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aerospace Safety Advisory Panel</td>
<td>1156</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Affirmative Action Plans</td>
<td>3700</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AGENCY PROGRAMS:</td>
<td>7000</td>
<td>Authorization and Control</td>
<td>7000</td>
</tr>
<tr>
<td>Elements of Implementation of Objectives of Policy</td>
<td>1200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RESOURCES:</td>
<td>7000</td>
<td>Internal Control System</td>
<td>1200</td>
</tr>
<tr>
<td>Agencywide Code Structure</td>
<td>9100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agriculture, Extraterrestrial Exposure, Quarantine</td>
<td>8020</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AIM (Automated Information Management Council)</td>
<td>1154</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Air Force (STS Protection)</td>
<td>8610</td>
<td>... ALSO SEE “Defense, Department of”</td>
<td>8610</td>
</tr>
<tr>
<td>AIRCRAFT ADMINISTRATIVE:</td>
<td>7900</td>
<td>Coordination/Scheduling</td>
<td>7920</td>
</tr>
<tr>
<td>Flight Approval</td>
<td>7910</td>
<td>Operation of Operations Manual</td>
<td>7910</td>
</tr>
<tr>
<td>Policy</td>
<td>7910</td>
<td>Responsibility for Airworthiness</td>
<td>7910</td>
</tr>
<tr>
<td>Commercial</td>
<td>1620</td>
<td>Headquarter</td>
<td>7920</td>
</tr>
<tr>
<td>Management</td>
<td>7910</td>
<td>Mission Classification</td>
<td>7910</td>
</tr>
<tr>
<td>NASA Controlled:</td>
<td>7910</td>
<td>Definition of</td>
<td>7910</td>
</tr>
<tr>
<td>Delegation of Authority</td>
<td>7900</td>
<td>OPERATIONS GUIDELINES:</td>
<td>7910</td>
</tr>
<tr>
<td>Flight Crews</td>
<td>7910</td>
<td>General Policy safety</td>
<td>7910</td>
</tr>
<tr>
<td>NASA Intercenter Operations Panel</td>
<td>1152</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operations and Management</td>
<td>7900</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operations Manual</td>
<td>7900</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standardization Review Board</td>
<td>1152</td>
<td>Wallops Station Airstrip Utilization</td>
<td>6000</td>
</tr>
<tr>
<td>Wallops Station Airstrip Utilization of</td>
<td>6000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Airstrip</td>
<td>6000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alcohol Abuse Program</td>
<td>3792</td>
<td>History</td>
<td>3792</td>
</tr>
<tr>
<td>Policy</td>
<td>3792</td>
<td>Program Components</td>
<td>3792</td>
</tr>
<tr>
<td>Responsibilities</td>
<td>3792</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Index NRS No.</td>
<td>Index NRS No.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>--------------</td>
<td>--------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Astrophysics Program</td>
<td>1102</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Attendance (and Leave)</td>
<td>3630</td>
<td></td>
<td></td>
</tr>
<tr>
<td>... ALSO SEE &quot;Personnel&quot; ...</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AUDIOVISUAL:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GRAPHIC ARTS</td>
<td>1520</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Consisting of:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Artwork--Flyers, Letterhead, Posters, Outstanding Original(s), Line Copies, Charts, Graphs, Photo-mechanical Reproduction Viewgraphs</td>
<td>1521</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MOTION PICTURES:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOUND RECORDINGS:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>STILL PHOTOGRAPHY:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VIDEO RECORDINGS:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agency Activities</td>
<td>1000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appearances (Media)</td>
<td>1366</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Awards Presentations</td>
<td>1030</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ceremonial</td>
<td>1030</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conferences (Public)</td>
<td>1389</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contracts</td>
<td>5100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Educational Services (Public)</td>
<td>1392</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engineering</td>
<td>8000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Equipment and Services</td>
<td>2600</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Filmstrips (Internal Training)</td>
<td>3400</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graphic Presentations, Guidelines</td>
<td>1430</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grants (Grant Produced)</td>
<td>5800</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hearings</td>
<td>1322</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Internal Management (Institutional)</td>
<td>1250</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Management Instruction</td>
<td>1410</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Media Production</td>
<td>1380</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Medical, Occupational</td>
<td>1800</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Meetings</td>
<td>1389</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motion Picture Production</td>
<td>1394</td>
<td></td>
<td></td>
</tr>
<tr>
<td>News Releases/Recordings</td>
<td>1363</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oral History Collections</td>
<td>1070</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Passports (Pictures)</td>
<td>1680</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Personnel Identification (Badges)</td>
<td>1620</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Photographic Services</td>
<td>2630</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Policy (Agency Programs)</td>
<td>1200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Products</td>
<td>1380</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Public Service Announcements</td>
<td>1380, 1382</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Radio Programs</td>
<td>1380, 2500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recruiting</td>
<td>1394</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research and Development</td>
<td>3330</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scientific</td>
<td>7100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scientific Medical</td>
<td>2200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scripts</td>
<td>8900</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slides (Internal Training)</td>
<td>1385</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Speeches</td>
<td>3400</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Surveillance</td>
<td>1385</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Television</td>
<td>1600</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Testimony (Congress)</td>
<td>1394</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Training (NASA Internal)</td>
<td>1322</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Training (Public)</td>
<td>3400</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AUDITING</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Audits and Investigations</td>
<td>9900</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AUDIT PROGRAM:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Audited Organizations; Closure Recommendations; Contractors/Grantees Audits; Definitions; Internal Audit Procedures/Resolution; NASA Management; Office of Inspector General; Resolution General Accounting Office (GAO)</td>
<td>1325</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manned Space Flight Related: Procedures for</td>
<td>9920</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Responsibility for</td>
<td>9920</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Policies and Procedures</td>
<td>9940</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Relationship with GAO</td>
<td>1325, 9920</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Automated Information Management (AIM) Council</td>
<td>1154</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AUTOMATIC DATA PROCESSING (ADP)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Automatic Data Processing (General)</td>
<td>2400</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Information Management Council</td>
<td>1154</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Information Processing</td>
<td>2410</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Intercenter Committee on</td>
<td>1152</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Management Polices and Procedures</td>
<td>2410</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Resource Management: Security Assurance)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Automatic Downgrading &amp; Declassifying</td>
<td>1640</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Automobiles</td>
<td>6700</td>
<td></td>
<td></td>
</tr>
<tr>
<td>... ALSO SEE &quot;Motor Vehicle&quot; ...</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AVIATION SAFETY</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NASA Aircraft Operations</td>
<td>7910</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reporting System</td>
<td>1156</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AWARDS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Career Service Recognition</td>
<td>3451</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cash Awards</td>
<td>3451</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Congressional Space Medal</td>
<td>1020</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Distinguished Public Service Medal</td>
<td>3451</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Equal Employment Opportunity Trophy External Foreign, Acceptance of</td>
<td>1030</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Honor</td>
<td>3451</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incentive</td>
<td>3451</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inspector General/Presidential Merit System Cash Military Personnel</td>
<td>3280</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NASA Honor Awards</td>
<td>3451</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Presidential Recognition Program</td>
<td>3451</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scientific &amp; Technical Contributions</td>
<td>5700</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Special Achievement Awards</td>
<td>3451</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Suggestion Award</td>
<td>3451</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BADGES</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Astronauts</td>
<td>1020</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Identification</td>
<td>1620</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Balance of Payments, International</td>
<td>9380</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
INDEX NRS
No. No.

BID AND PROPOSAL FILES
Acceptable bidders .......................... 5100
Cancelled .................................. 5149
Successful .................................. 5115
Unsuccessful .................................. 5115

Bills of Lading ................................. 6051

Binding ........................................... 1490
(Definition of: Equipment; Standards/
Specifications)

Biological Contamination ............... 5340
... ALSO SEE "Contamination"

Boards .......................................... 1150
... ALSO SEE "Committees"

Boilers, Inspection of ....................... 8833

BONDS
Personnel Surety ............................ 2000
Savings ....................................... 3960

BUDGET:
Activities Funded through Other
Agencies
Administration
Administration Manual
Appropriation of Funds/Legal
Requirements for Management
Apportionment
Correspondence Files
Estimates ........................................ 7422
EXECUTION: ..................................... 7400
Allotment of Funds
COF Appropriation
Program Operating Plans,
Development, Administration of
R&PM Appropriation
Resources Authority Warrants
Warranting/Funds Apportioning
FORMULATION: ................................. 7400
Annual Budget Submission
General Policies for
General Requirements for
Instructions for
Support Materials for
Formulation and Execution Handbook .... 1103
Glossary of Terms ............................ 7400
Headquarters/Installations
Responsibilities ............................... 7400
Historical/Statutory Basis for
Federal Budget Process ...................... 7400
Overobligation of Funds,
Disciplinary Action for ..................... 7400
Operations Division ......................... 1103
President's Budget/Information
Disclosure Responsibilities .................. 7440
R&PM Appropriation .......................... 7400
R&PM Appropriation, Direct
Oblications Preparation by Sub-
Function and Subobject ....................... 7400
Relationship of Other Agencies ............ 7400
Reports ......................................... 9300
Responsibility for ............................ 7400
Summary of Functions: ....................... 7400
Formulation/Review and Enactment/
Execution
Structure of Accounts/Available
Funds/Programs and Projects
Terminology ..................................... 7400
... ALSO SEE "Financial Management"

BUY AMERICA ACT ............................. 5125
Canadian Supplies:
Bids/Proposals Evaluation
Determination
Findings
End Products and Construction Materials:
Bids/Proposals Evaluation
Determination

**** C ****

Calendars ..................................... 1570
Calibration, Instruments .................... 5330
California Institute of Technology
(CALTECH) .................................. 1152
Canada, Buy America Act .................... 5125
Career Development (Training) ............ 3410
... ALSO SEE "Personnel"
Carrier (and Mode Selection) ............... 6130
... ALSO SEE "Transportation"

CARTOGRAPHY
Such as the Following: ....................... 7100
Aerial Film
Charts
Aeronautical
Hydrographic
Composites
Data Tapes
Field Survey Notes
Geodesy
Globes and Models
MAPS:
Computer
Correction
Hand Drawn
Lunar and Planetary
Microfilm
Published
Raised Relief
Products/Services, Acquisition of
Index NRS No. No.

CAS (Cost Accounting Standards) .......... 5130
... ALSO SEE "Cost Accounting"

CASE FILES
Agency Policy Changes ................. 1200
Classification Appeals ............ 1640
Contract Appeals .................. 5133
Emergency Planning ............ 5133
Grants ................................ 5800
Informational Services ........ 1382
Map History ........................ 7100
Personnel .......................... 3000
Privacy Act Amendment .......... 1190
Property Disposal ............... 4300
Research and Development .......... 7100
Surplus Property, Disposal of .... 4320

Casualty Reports ................ 1711
... ALSO SEE "Accidents"

Center ..................... 1107
... ALSO SEE "Field Installation"

CERTIFICATES
Cholera ................................ 1820
Classified Document Destruction ....... 1630
Eligibles (Employment) ............... 3300
... ALSO SEE "Personnel"
Export ................................ 6310
Full Faith and Credit ............. 2000
Medical ................................ 1820
Performance Rating .............. 1040
Tax Exemption ..................... 2000
Title .................................. 2000
Transit ................................ 6000

Certification Process, Procurement .... 1240

CEQ (Council on Environmental Quality) 1156

CFR (Code of Federal Regulations) .... 1410

Charts .............................. 7100
... ALSO SEE "Cartographic"

CHIEF ENGINEER
Committee Memberships .............. 1152
Organization Chart ................ 1103
Position Objectives ............ 1103
RESPONSIBILITIES:
Competition Advocacy Program .... 1210
Reliability, Maintainability and Quality Assurance .... 5300
Space Transportation System Program .... 8010
Chief Scientist-Role & Responsibility .... 1103
Cholera Vaccination Certificate .... 1820
Circular A-76, Performance of Commercial Activities (OMB) .... 1329
Civil Claims, Collection ........ 2080
Civil Defense ..................... 1041

Civil Service Commission (CSC) .... 3510

Civilian Personnel (General) .......... 3000
... ALSO SEE "Personnel"

CLAIMS
Civil .................................. 2080
Contract ................................ 2084
Government Property Damage/Loss .... 2080
Headquarters Employees .......... 2080
Pay, Erroneous Payments of ........ 2080
Personal Injury .................. 2080
Personal Property Damage .......... 2000
Rented Vehicles Damage .......... 9730
Tort .................................. 2082
Work-Related Injury or Disease .... 3810

Classification Act System .......... 3500

CLASSIFIED DOCUMENTS:
Access Control .................... 1630
Accounting ....................... 9200
Administrative Correspondence .... 1600
Container Security .............. 1620
INFORMATION/MATERIAL AND CONTROL:
Access Control .................... 1630
Container Security .............. 1620
Correspondence .................. 1600
Classification Program .......... 1640
Defense Information, Release .... 1630
Destruction Certificates ......... 1630
Determination of ..................... 1640
Duplicating of ....................... 1490
Information Security Program .... 1152
Inventory (Property) .............. 4100
Nondisclosure Agreement .......... 1610
Printing of .......................... 1490
SYMPOSIA ............................. 1620
Guidelines for Security Measures At Location of Requirements for Restrictions on Attendance by Foreign National or Representative at Security Approval Request for Clearance, Personnel .... 1610
Clothing, Protective .......... 1700

CoF (Construction of Facilities) .... 8820
... ALSO SEE "Construction"

Commendation Letters .......... 3450

Commercial Aircraft ........... 1620
... ALSO SEE "Aircraft"

Commercial Products ........ 7500

COMMERCIAL PROGRAMS, OFFICE OF
Assistant Administrator:
Authority to Act for Role and Responsibilities Organization Chart

Commercialization, Space ........ 7500

Commissions .............. 1150
### COMMITTEES and: BOARDS, COUNCILS, PANELS, ADVISORY

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1150</td>
<td>Establishment, Operation, Duration of NASA Internal Committees</td>
</tr>
</tbody>
</table>

#### ADVISORY

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1156</td>
<td>Establishment/Management of:</td>
</tr>
</tbody>
</table>

Such as:
- Aeronautics Advisory Committee
- Aerospace Safety Advisory Panel:
  - Environmental Quality Council;
  - Historical Council;
  - Life Sciences Council;
- Ocean Dynamics Subcommittee;
- Research and Technology Advisory Council;
- Space & Earth Science Committee;
- Space Applications Committee;
- Space Processing Ad Hoc Subcommittee;
- Space Processing Payload Subcommittee;
- Space Science & Applications Steering Committee (SSASC);
- Space Systems and Technology Committee;
- Wage Committee.

#### INTRA-AGENCY

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1152</td>
<td>Establishment/Management of:</td>
</tr>
</tbody>
</table>

Such as:
- Adjustment Board Committee;
- Advance Waiver Review Board (ICB);
- Appeals Board;
- Caltech/JPL Performance Evaluation;
- Engineering Management Council;
- Equal Opportunity Council;
- Inter-center Aircraft Operations Panel;
- Intercenter Committee on Automatic Data Processing;
- Inventions and Contributions Board;
- NASA Council:
  - Operations & Engineering Panel;
  - Parts Steering Committee;
  - Planning & Program Integration;
  - Policy Analysis;
  - Security Classification Program;
  - Space Medicine Board;
  - Space Medicine Policy Board;
  - Space Flight;
  - Space Tracking and Data Systems Committee;
- Special Projects

#### INTERAGENCY

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1154</td>
<td>Establishment/Management of:</td>
</tr>
</tbody>
</table>

Such as:
- AIM (Automated Information Management Council)
- Federal Executive Boards (FEB):
  - Activities & Related Associations

### NASA Internal Standing Committee for

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1152</td>
<td>Establishment/Management of:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1152</td>
<td>Establishment/Management of:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1152</td>
<td>Establishment/Management of:</td>
</tr>
</tbody>
</table>

### COMMUNICATIONS

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2540</td>
<td>Administrative</td>
</tr>
<tr>
<td>2500</td>
<td>Correspondence</td>
</tr>
<tr>
<td>2550</td>
<td>Cryptography</td>
</tr>
<tr>
<td>2530</td>
<td>Electric Power Supply</td>
</tr>
<tr>
<td>2530</td>
<td>(Policy On / Responsibility for) Emergency</td>
</tr>
<tr>
<td>2530</td>
<td>Administrative Control Situations</td>
</tr>
</tbody>
</table>

#### EQUIPMENT

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5117</td>
<td>Electronic Acquisition of Definition of Radio Frequency Allocation Assignment Energy Support</td>
</tr>
<tr>
<td>5117</td>
<td>Management of Radio Frequency Policy on / Responsibility for</td>
</tr>
<tr>
<td>2520</td>
<td>Federal Telecommunications System</td>
</tr>
<tr>
<td>2530</td>
<td>Long Distance Telephone Reports Messages</td>
</tr>
<tr>
<td>2530</td>
<td>NASA Communication System Operation Policy of / Procedures for Reports, Administrative</td>
</tr>
<tr>
<td>2540</td>
<td>Telephone</td>
</tr>
<tr>
<td>2520</td>
<td>Field Installations</td>
</tr>
<tr>
<td>2520</td>
<td>Goddard Space Flight Center Headquarters Administration Division</td>
</tr>
<tr>
<td>2520</td>
<td>Headquarters Program Directors Marshall Space Flight Center Office of Space Tracking and Data Systems Shuttle Communications</td>
</tr>
<tr>
<td>2520</td>
<td>SYSTEMS, NASCOM Administration Procedures Definitions:</td>
</tr>
<tr>
<td>2520</td>
<td>Administrative Communications Administrative Telecommunications Network Federal Telecommunications System (FTS) NASA Communications System (NASCOM) National Communications System (NCS) Operational Communications Telecommunications New Start Telephone Calls Telephone Co. Charge Certification</td>
</tr>
</tbody>
</table>

### COMMUNIST

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1371</td>
<td>Domination Countries &amp; Areas:</td>
</tr>
<tr>
<td>1620</td>
<td>Definition of</td>
</tr>
<tr>
<td>1371</td>
<td>Security</td>
</tr>
<tr>
<td>1620</td>
<td>Guests From</td>
</tr>
<tr>
<td>1620</td>
<td>Travel To</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1900</td>
<td>Compensation, Employee Acceptance</td>
</tr>
<tr>
<td>1210</td>
<td>Competition Advocacy Program</td>
</tr>
<tr>
<td>3335</td>
<td>Competitive Placement Plan (GS-15 &amp; Below)</td>
</tr>
<tr>
<td>3700</td>
<td>ALSO SEE &quot;Personnel&quot;</td>
</tr>
<tr>
<td>3700</td>
<td>Complaints, Discrimination</td>
</tr>
<tr>
<td>3700</td>
<td>ALSO SEE &quot;Personnel&quot;</td>
</tr>
</tbody>
</table>
COMPETRLLER
Financial Management Division/
Function .................................. 1103
RESPONSIBILITIES:
Disposal of Foreign Excess
Personal Property .......................... 4340
Financial Policies/Procedures/
Regulations .................................. 9210
COMPUTER PROGRAMS, NASA
DISTRIBUTION OF: .......................... 2210
Authority for
Definitions
Policy for
Procedures for
Responsibilities for
Restrictions on Use of
Computer Resources Management ......... 2400
... ALSO SEE “Automatic Data Processing” ...
Concealed Weapons ....................... 1620

CONDUCT
Standards of .............................. 1900
(NASA Employee Handbook / NASA
Special Government Employees)
Illegal or Unethical, Investigation
and Reporting ............................... 9950
(Policy On / Responsibility for)
Safeguarding Crop Information ........... 1900
Statements of Employment/Financial
Interests ..................................... 1900

CONFERENCE(s)
Classified Symposia ........................ 1620
External (Public) ............................ 1389
Management ............................... 1200
News (Media) .............................. 1389
Publications ............................... 2220
Rooms/Auditoriums ......................... 1542
Technical Symposia, Participation ...... 1350
... ALSO SEE “Meetings” ...

CONFLICT
OF INTERESTS:
Aerospace Safety Advisory Panel ..... 1156
Avoidance of ............................. 5103
Enforcement Procedures ................. 1900
Post Employment Regulations .......... 1900
Congress, U.S. ............................ 1450
Correspondence
Definition of
Policy for
Responsibility for
Congressional Space Medal of Honor .... 1020

CONSTRUCTION
Of Facilities (CoF):
Appropriations ............................. 7400
Approval. Authority for ................. 7330
Buy America Act ........................... 5125
CoF ......................................... 8820
Design and Engineering .................... 8823
Fallout Shelters ............................ 1043
General (Information) ..................... 8821
Major Construction ......................... 8826
Minor Construction ......................... 8827
Monuments, Proposed ...................... 8823
NASA Facilities Programs ................. 8800
(Coordination / Planning)

CONSULTANTS (and EXPERTS)
Aerospace Safety Advisory Panel ..... 1156
Contracts/Guidelines ..................... 5117
Employees as ............................. 1900
Employment of ............................ 3304
Standards of Conduct ...................... 1900

CONTAMINATION CONTROL
Biological ................................... 5340
Lunar and Planetary ...................... 8020
Funding of
Policy on
Procedural Issuances
Responsibility for
Microbial Examination of Space
Hardware ................................. 5340
Microbiologically Controlled Environments .... 5340
Outbound Spacecraft ...................... 8020
PLANETS .................................. 8020
Mission Contraints for
Policy on
Responsibility for

CONTRACT (Procurement) .................. 5100
Contract Disputes Act of 1978 .......... 5133
... ALSO SEE "Procurement" ...

CONTRACTORS
Aeronautical and Space System,
Quality Program Provisions ............ 5300
Audits of .................................. 9910
Cost & Performance Data, Reporting
Procedures for ............................ 9300
Debarments ............................... 5101
Employment Practices, EEO ............. 5200
Financial Management Report System ..... 5142
Government Cost Monitoring ............. 5131
Overhead Monitoring ...................... 5131
Payroll .................................... 5131
Performance Evaluation .................... 1152
Reports ................................. 2220
Statement of Contingent or
Other Fees ............................... 5100
Statement of Work ......................... 5600
Work Breakdown Structures .............. 5610

CONTACTS: ............................... 5100
Adjustment Board ......................... 1152
ADMINISTRATION:
Related Field Services: ................. 7410
Budgeting of
Funding of
Interagency Agreements
Payment of
Policy on
Resources Authorizations for
Appeals. Procedures for ................. 5133
Appeals Board, Establishment of ......... 1152
Audit Reports of ......................... 9910
Consulting Services ...................... 5117
Debarment/Suspension ..................... 5101
Duplicating of ............................. 1490
Federal Acquisition Regulation
Supplement ............................... 5100
Foreign, Waivers on ....................... 5101
Incentive Contracting Guide ............. 5104
Indirect Cost Monitoring .................. 5142
Printing of ............................... 1490
Procurement, Responsibility for ......... 5108
Security Policies and Procedures 1650
Source Evaluation Board, Manual ........ 5115
University, Termination of .............. 8340
... ALSO SEE "Procurement" ...

...
<table>
<thead>
<tr>
<th>Index NRS</th>
<th>No. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONTRIBUTIONS, SCIENTIFIC AND TECHNICAL AWARDS:</td>
<td>5700</td>
</tr>
<tr>
<td>Application for Delegation of Authority for Financial Accounting</td>
<td></td>
</tr>
<tr>
<td>Policy on Presentation of Under $1,000</td>
<td></td>
</tr>
<tr>
<td>Evaluation of Hearing Procedures for Controlled Substances Act of 1970</td>
<td>1815</td>
</tr>
<tr>
<td>Cooperative Agreements (With Educational and Non-Profit Institutions)</td>
<td>1050</td>
</tr>
<tr>
<td>Copyrights (Responsibility)</td>
<td>1103</td>
</tr>
<tr>
<td>... ALSO SEE &quot;Printing&quot; ...</td>
<td></td>
</tr>
<tr>
<td>CORRESPONDENCE</td>
<td></td>
</tr>
<tr>
<td>Accounting</td>
<td>9200</td>
</tr>
<tr>
<td>Budget</td>
<td>7400</td>
</tr>
<tr>
<td>Building and Space Maintenance</td>
<td>1630</td>
</tr>
<tr>
<td>Communications</td>
<td>2500</td>
</tr>
<tr>
<td>Congressional</td>
<td>1450</td>
</tr>
<tr>
<td>Cost Accounting</td>
<td>9240</td>
</tr>
<tr>
<td>Emergency Planning</td>
<td>1040</td>
</tr>
<tr>
<td>Expenditure Accounting</td>
<td>9200</td>
</tr>
<tr>
<td>Facilities, Security</td>
<td>7300</td>
</tr>
<tr>
<td>Grants</td>
<td>5800</td>
</tr>
<tr>
<td>Handbook</td>
<td>1450</td>
</tr>
<tr>
<td>HOUSING:</td>
<td></td>
</tr>
<tr>
<td>Management of Personnel Quarters/Subsistence</td>
<td>3503</td>
</tr>
<tr>
<td>Informational Services</td>
<td>1382</td>
</tr>
<tr>
<td>Management of Executive Instructions on Motor Vehicle</td>
<td>1451</td>
</tr>
<tr>
<td>Pay</td>
<td>6700</td>
</tr>
<tr>
<td>Personnel</td>
<td>9620</td>
</tr>
<tr>
<td>Personnel Security</td>
<td>1610</td>
</tr>
<tr>
<td>Plant Accounting</td>
<td>8800</td>
</tr>
<tr>
<td>Printing, Administrative</td>
<td>1490</td>
</tr>
<tr>
<td>Procurement</td>
<td>5100</td>
</tr>
<tr>
<td>Property Disposal</td>
<td>4300</td>
</tr>
<tr>
<td>Research and Development</td>
<td>7000</td>
</tr>
<tr>
<td>Security and Protective Service</td>
<td>1600</td>
</tr>
<tr>
<td>Space and Maintenance</td>
<td>1540</td>
</tr>
<tr>
<td>Stores Accounting</td>
<td>1570</td>
</tr>
<tr>
<td>Surplus Property</td>
<td>4300</td>
</tr>
<tr>
<td>Training</td>
<td>3410</td>
</tr>
<tr>
<td>Transportation</td>
<td>6000</td>
</tr>
<tr>
<td>Travel</td>
<td>9700</td>
</tr>
<tr>
<td>White House Office</td>
<td>1450</td>
</tr>
<tr>
<td>COST ACCOUNTING STANDARDS (CAS)</td>
<td></td>
</tr>
<tr>
<td>Administration</td>
<td>5130</td>
</tr>
<tr>
<td>Standards</td>
<td>5130</td>
</tr>
<tr>
<td>Ledgers</td>
<td>9220</td>
</tr>
<tr>
<td>Reports</td>
<td>9200</td>
</tr>
<tr>
<td>COSTS</td>
<td></td>
</tr>
<tr>
<td>Contractor Reporting Procedures for. Data, Waivers On</td>
<td>5127</td>
</tr>
<tr>
<td>Council on Environmental Quality</td>
<td>8827</td>
</tr>
<tr>
<td>Council on Historic Preservation</td>
<td>1070</td>
</tr>
<tr>
<td>Councils</td>
<td>1150</td>
</tr>
<tr>
<td>... ALSO SEE &quot;Committees&quot; ...</td>
<td></td>
</tr>
<tr>
<td>Crimping &amp; Wire Wrap (requirements for)</td>
<td>5300</td>
</tr>
<tr>
<td>Crop Information</td>
<td>1900</td>
</tr>
<tr>
<td>CRYPTOGRAPHIC Communication</td>
<td>2550</td>
</tr>
<tr>
<td>Information, Access to/Definition</td>
<td>1610</td>
</tr>
<tr>
<td>Transmission of</td>
<td>1620</td>
</tr>
<tr>
<td>CSC (Civil Service Commission) Responsibilities</td>
<td>3510</td>
</tr>
<tr>
<td>... ALSO SEE &quot;Personnel&quot; ...</td>
<td></td>
</tr>
<tr>
<td>Currency</td>
<td>9393</td>
</tr>
<tr>
<td>(Country-Use / Definitions / Excess / Foreign / Near-Excess / U. S. )</td>
<td></td>
</tr>
<tr>
<td>Data Acquisition (Communication)</td>
<td>2520</td>
</tr>
<tr>
<td>... ALSO SEE &quot;Space Tracking&quot; ...</td>
<td></td>
</tr>
<tr>
<td>Data Processing</td>
<td>2400</td>
</tr>
<tr>
<td>... ALSO SEE &quot;Automatic Data Processing&quot; ...</td>
<td></td>
</tr>
<tr>
<td>Declassification</td>
<td>1640</td>
</tr>
<tr>
<td>... ALSO SEE &quot;Security&quot; ...</td>
<td></td>
</tr>
<tr>
<td>Decorations (Foreign), Acceptance of</td>
<td>1030</td>
</tr>
<tr>
<td>(Definitions / Policy for)</td>
<td></td>
</tr>
<tr>
<td>DEFENSE, DEPARTMENT OF (DoD)</td>
<td></td>
</tr>
<tr>
<td>Air Force: Agreement--Inertial Upper Stage</td>
<td>8020</td>
</tr>
<tr>
<td>Space Transportation System Protection</td>
<td>8610</td>
</tr>
<tr>
<td>Army, Corps of Engineers</td>
<td>8811</td>
</tr>
<tr>
<td>General (DoD)</td>
<td>1316</td>
</tr>
<tr>
<td>Incentive Contracting Guide</td>
<td>5104</td>
</tr>
<tr>
<td>STS National Resource Protection</td>
<td>8610</td>
</tr>
<tr>
<td>Universal Documentation System</td>
<td>8610</td>
</tr>
<tr>
<td>Dentistry, Astronauts</td>
<td>8900</td>
</tr>
<tr>
<td>... ALSO SEE &quot;Health&quot; ...</td>
<td></td>
</tr>
<tr>
<td>DIRECTIVES:</td>
<td>1410</td>
</tr>
<tr>
<td>Index NRS No.</td>
<td>Index NRS No.</td>
</tr>
<tr>
<td>--------------</td>
<td>--------------</td>
</tr>
<tr>
<td>1103</td>
<td>1392</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1392</td>
<td>1380</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>1387</td>
<td>1380</td>
</tr>
<tr>
<td>1380</td>
<td>1387</td>
</tr>
<tr>
<td>Index NRS No. No.</td>
<td>Index NRS No. No.</td>
</tr>
<tr>
<td>------------------</td>
<td>------------------</td>
</tr>
<tr>
<td><strong>EMERGENCY</strong></td>
<td></td>
</tr>
<tr>
<td>Administrator, Authority to Act For</td>
<td>1162</td>
</tr>
<tr>
<td><strong>COMMUNICATION SERVICES DURING:</strong></td>
<td>2530</td>
</tr>
<tr>
<td>Allocation</td>
<td></td>
</tr>
<tr>
<td>Emergency Circuit Requirement Policy on Procedures for Reallocation</td>
<td></td>
</tr>
<tr>
<td>Restoration/Priority</td>
<td></td>
</tr>
<tr>
<td>Validity Authority</td>
<td></td>
</tr>
<tr>
<td><strong>COMMUNICATIONS TRAFFIC,</strong> ADMINISTRATIVE CONTROL:**</td>
<td>2530</td>
</tr>
<tr>
<td>Essential Traffic</td>
<td></td>
</tr>
<tr>
<td>Minimize</td>
<td></td>
</tr>
<tr>
<td>NCS Circuit Requirement/Component Networks</td>
<td></td>
</tr>
<tr>
<td>NCS/DCA Operations Center (NCS/DCAOC)</td>
<td></td>
</tr>
<tr>
<td>NCS Operating/Using Agency</td>
<td></td>
</tr>
<tr>
<td>Nonessential Traffic</td>
<td></td>
</tr>
<tr>
<td>Policy On Responsibility for Telecommunications</td>
<td></td>
</tr>
<tr>
<td>Delegation of Emergency Authority</td>
<td>1040</td>
</tr>
<tr>
<td>Lines of Succession</td>
<td></td>
</tr>
<tr>
<td>Approval/Documentation for General Provision for Indoctrination for Requirements for Planning:</td>
<td>1160</td>
</tr>
<tr>
<td>Casualty Reporting</td>
<td>1044</td>
</tr>
<tr>
<td>Civil Defense</td>
<td>1041</td>
</tr>
<tr>
<td>Correspondence</td>
<td>1040</td>
</tr>
<tr>
<td>Directives</td>
<td>1040</td>
</tr>
<tr>
<td>Directives Reference Files</td>
<td>1040</td>
</tr>
<tr>
<td>Fallout and Fallout Shelter</td>
<td>1043</td>
</tr>
<tr>
<td>Mobilization Readiness</td>
<td>1046</td>
</tr>
<tr>
<td>Operations Tests</td>
<td>1046</td>
</tr>
<tr>
<td>Plans</td>
<td>1040</td>
</tr>
<tr>
<td>Reports</td>
<td>1040</td>
</tr>
<tr>
<td>Procedures/Notification and Alert System</td>
<td>1590</td>
</tr>
<tr>
<td><strong>REGIONAL PREPAREDNESS COMMITTEES:</strong></td>
<td>1040</td>
</tr>
<tr>
<td>Designations for Functions of Representatives</td>
<td></td>
</tr>
<tr>
<td>Warden Organization</td>
<td>1042</td>
</tr>
<tr>
<td><strong>EMPLOYEE</strong> (Personnel)</td>
<td>3000</td>
</tr>
<tr>
<td>... ALSO SEE &quot;Personnel&quot; for Related Topics ...</td>
<td></td>
</tr>
<tr>
<td>Employee Development</td>
<td>3400</td>
</tr>
<tr>
<td>Employee Inventions</td>
<td>3450</td>
</tr>
<tr>
<td>Employee-Management Relations</td>
<td>3711</td>
</tr>
<tr>
<td>... ALSO SEE &quot;Personnel Relations&quot; ...</td>
<td></td>
</tr>
<tr>
<td>Employee Participation in Scientific and Engineering Symposia</td>
<td>1350</td>
</tr>
<tr>
<td><strong>EMPLOYEE PERFORMANCE AND UTILIZATION</strong></td>
<td>3410</td>
</tr>
<tr>
<td>Employee Development</td>
<td></td>
</tr>
<tr>
<td>Supervisory Training</td>
<td></td>
</tr>
<tr>
<td>Training Outside the U.S.</td>
<td></td>
</tr>
<tr>
<td>Responsibility for Approval</td>
<td></td>
</tr>
<tr>
<td>Training Within the U.S.</td>
<td></td>
</tr>
<tr>
<td>Responsibility for Approval</td>
<td></td>
</tr>
<tr>
<td>Upward Mobility Program</td>
<td></td>
</tr>
<tr>
<td>Employee Personal Property Claims</td>
<td>2080</td>
</tr>
<tr>
<td>Employee Recognition and Incentives</td>
<td>3450</td>
</tr>
<tr>
<td>Employee Incentives</td>
<td>3451</td>
</tr>
<tr>
<td><strong>EMPLOYMENT</strong></td>
<td>3300</td>
</tr>
<tr>
<td>Experts and Consultants</td>
<td>3304</td>
</tr>
<tr>
<td>Outside Applicants</td>
<td>1900</td>
</tr>
<tr>
<td>Outside Applicants</td>
<td>3335</td>
</tr>
<tr>
<td>Personal Service Contracts</td>
<td></td>
</tr>
<tr>
<td>Handicapped Individuals</td>
<td>3300</td>
</tr>
<tr>
<td>Post Employment Regulations</td>
<td>1900</td>
</tr>
<tr>
<td>Power of Appointment and Removal:</td>
<td>3311</td>
</tr>
<tr>
<td>Administering Oaths of Office</td>
<td></td>
</tr>
<tr>
<td>Delegation of Authority</td>
<td></td>
</tr>
<tr>
<td>Excepted Positions</td>
<td></td>
</tr>
<tr>
<td>Recruitment/Selection/Placement</td>
<td></td>
</tr>
<tr>
<td>Intergovernmental Personnel Act of 1970</td>
<td>3334</td>
</tr>
<tr>
<td>Promotion and Internal Placement</td>
<td></td>
</tr>
<tr>
<td>Competitive Placement Plan for Positions GS-15 and Below</td>
<td>3335</td>
</tr>
<tr>
<td><strong>ENGINEERING</strong></td>
<td>8820</td>
</tr>
<tr>
<td>Construction</td>
<td></td>
</tr>
<tr>
<td>Facilities Handbook</td>
<td>7320</td>
</tr>
<tr>
<td>Reports, CoF Preliminary</td>
<td>8820</td>
</tr>
<tr>
<td><strong>ENVIRONMENTAL</strong></td>
<td>1156</td>
</tr>
<tr>
<td>Council</td>
<td></td>
</tr>
<tr>
<td>Health Program</td>
<td>1800</td>
</tr>
<tr>
<td>Quality, Assessment Guidelines</td>
<td>8800</td>
</tr>
<tr>
<td>National Environmental Policy Act</td>
<td></td>
</tr>
<tr>
<td>Preparation of Environmental Assessments</td>
<td></td>
</tr>
<tr>
<td>EO (Equal Opportunity), Office of</td>
<td>3700</td>
</tr>
<tr>
<td>... ALSO SEE &quot;Equal Opportunity&quot; ...</td>
<td></td>
</tr>
<tr>
<td>Equal Access to Justice Act</td>
<td>2013</td>
</tr>
<tr>
<td><strong>EQUAL OPPORTUNITY</strong></td>
<td>3700</td>
</tr>
<tr>
<td>Complaints</td>
<td></td>
</tr>
<tr>
<td>Council</td>
<td>1152</td>
</tr>
<tr>
<td>Director, Office of Delegation of Authority</td>
<td>3713</td>
</tr>
<tr>
<td>Functions</td>
<td>1103</td>
</tr>
<tr>
<td>Organization Chart (Office of)</td>
<td>1103</td>
</tr>
<tr>
<td>Policy for</td>
<td>3713</td>
</tr>
<tr>
<td>Responsibility For</td>
<td>1380</td>
</tr>
<tr>
<td>Trophy</td>
<td>3451</td>
</tr>
<tr>
<td>Upward Mobility Program</td>
<td>3410</td>
</tr>
</tbody>
</table>
EQUIPMENT

Automatic Data Processing (ADP) ........ 2410
Binding .................................. 1490
Communications/Acquisition ............ 5117
Electronic:
  Acquisition of ....................... 2410
  Basic Policy for ..................... 5320
EVS (Equipment Visibility System) ..... 5400
Information Processing ................. 2410
  Acquisition Plans
  Disposal of Excess
  Inventory Control
  Reporting Requirements
  Inspection ................................ 8833
  Boilers
  Elevators
Lists of .................................. 1490
Management Manual (Installations) ... 4200
  Contractors ............................ 5400
  Marine, Maintenance and Operation .. 6600
  Packaging Requirements ................ 6000
  Printing ................................ 1490
  Property and Supply .................... 4000
  Property Custodian User's Guide ...... 4200
  Protective ................................ 1700
  Reporting Requirements ............... 4210
  Transportation Requirements ........... 6000
  Utilization of .......................... 4310
  Policy for ............................. 4000
  Requirements for
  Responsibility for Visibility System Establishment ... 4000
Erasable Media .......................... 2400
... ALSO SEE "Automatic Data Processing"

Erroneous Payments of Pay, Claims for ... 9645

Estimates, Budget ....................... 7422
... ALSO SEE "Financial Management"

Ethics, Employee .......................... 1900

EVS (Equipment Visibility System) .... 4000

EVALUATION

Employee Performance .................... 3400
  Military Personnel Reports ............ 3280
... ALSO SEE "Personnel"

EXCHANGES, NASA PERSONNEL ........... 9050

Activities of Authorized Patrons of
  Establishment/Objective of
  Exceptions/Variations of
  Exchange Council, Duties of
  Facilities of Employee Welfare
  Activities
  Funding Authority
  Insurance for
  Procurement Authority of
  Resale Policy of
  Responsibilities:
    Associate/NASA Comptroller
    Installation Directors
    NASA Exchange Council
  Taxes on
  Termination Policy on

Index NRS

No. No.

Excused Absences ....................... 3630
Executive Development Program .......... 3410
Executive Human Resources (SES) ...... 3100
(Senior Executive Service)

Exhibits Program ....................... 1387

EXPENDITURE ACCOUNTING

Allotment ............................... 9230
  Correspondence ........................ 9200
  Ledgers (General) ...................... 9220
  Machine-Readable Files (ADP) ......... 9000
  Posting and Control ................... 9000

Experts (Employment of) ............... 3304
... ALSO SEE "Consultants"

Export Control, Technology ............. 2190

EXTERNAL RELATIONS

Associate Administrator, Office of
  Authority to Act for ................... 1103
  Responsibilities:
    Appointment of Delegates to
    Foreign Conferences .................. 1360
  Cartographic Products ................ 7100
  NASA Council .......................... 1152
  Organization .......................... 1103
  Public Affairs,
    Release of Information ............... 1382
... ALSO SEE "Privacy Act"
  Space Act Agreements .................. 1050
  Television Development Division ........ 1103

EXTRATERRESTRIAL ........................ 8020

Administrative Actions
  Contamination:
    Lunar and Planetary
    Outbound Spacecraft
    Court or Other Processes
  Definitions
    Administrator
    Exposure
    NASA
    Quarantine
    United States
  Mapping ............................... 7100
... ALSO SEE "Cartography"
  Quarantine Policy ..................... 8020
  Violations of Policy Provisions ....... 8020

FACILITIES

ENGINEERING:

  Handbook ................................ 7320
  Reports, OF Preliminary ................ 8820
  Field Installations Master Plans .... 7232
  Inspections and Surveys ............... 8833
  Location .............................. 8800
  Policy
    Responsibilities
    Office of ............................ 7232
  Program Planning ..................... 8800
  Responsibilities ........................ 1130, 8811
  Security ................................ 1600
  Technical Catalog for ................ 8800
  Utilization Program ................... 7234
... ALSO SEE "Construction"
### INDEX

<table>
<thead>
<tr>
<th>Index NRS No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1043, 7400</td>
<td>FIELD INSTALLATIONS CONTINUED:</td>
</tr>
<tr>
<td>1610</td>
<td>Micrographics Management........ 2314</td>
</tr>
<tr>
<td>1380</td>
<td>News Releases.................... 1380</td>
</tr>
<tr>
<td>1197</td>
<td>Organization........................ 1197</td>
</tr>
<tr>
<td>5131</td>
<td>Procurement Officers............... 5131</td>
</tr>
<tr>
<td>4100</td>
<td>Property and Supply Officers...... 4100</td>
</tr>
<tr>
<td>1380</td>
<td>Public Affairs................... 1380</td>
</tr>
<tr>
<td>1022</td>
<td>Roads, Naming Of................ 1022</td>
</tr>
<tr>
<td>1100</td>
<td>Roles and Responsibilities........ 1100</td>
</tr>
<tr>
<td>7100</td>
<td>RTOP Management System............ 7100</td>
</tr>
<tr>
<td>1620</td>
<td>Security Instructions/Requirements. 1620</td>
</tr>
<tr>
<td>1610</td>
<td>Field Investigations............... 1610</td>
</tr>
<tr>
<td>1442</td>
<td>Files Management Program .......... 1442</td>
</tr>
</tbody>
</table>

### FIELD INSTALLATIONS CONTINUED:

#### FINANCIAL MANAGEMENT

<table>
<thead>
<tr>
<th>Index NRS No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9390</td>
<td>Accounting &amp; Reporting Requirements</td>
</tr>
<tr>
<td>9050</td>
<td>Installation Year-End</td>
</tr>
<tr>
<td>9100</td>
<td>Administrative Control of Appropriations and Funds:</td>
</tr>
<tr>
<td>9100</td>
<td>Administrator's Fund</td>
</tr>
<tr>
<td>9900</td>
<td>Exchange Activities Procedures for Violations, Reporting of Appropriations...... 9100</td>
</tr>
<tr>
<td>9900</td>
<td>Auditing........................ 9900</td>
</tr>
<tr>
<td>9380</td>
<td>Balance-of-Payments, International.. 9380</td>
</tr>
<tr>
<td>7400</td>
<td>Budget Administration Manual....... 7400</td>
</tr>
<tr>
<td>7422</td>
<td>Budget Estimates.................. 7422</td>
</tr>
<tr>
<td>7450</td>
<td>Congressional Budget............... 7450</td>
</tr>
<tr>
<td>7410</td>
<td>Contract Administration, Related Field Services: 7410</td>
</tr>
<tr>
<td>3400</td>
<td>Training........................ 3400</td>
</tr>
</tbody>
</table>

### FINANCIAL INTERESTS, EMPLOYEE

<table>
<thead>
<tr>
<th>Index NRS No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1900</td>
<td>Financial Interests, Employee .... 1900</td>
</tr>
</tbody>
</table>

### INSTALLATIONS:

<table>
<thead>
<tr>
<th>Index NRS No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1107</td>
<td>Field Investigations............... 1107</td>
</tr>
</tbody>
</table>

### FEDSTRIP (Federal Standard Requisitioning and Issue Procedures) 4050

### FIELD INSTALLATIONS (CENTER)

<table>
<thead>
<tr>
<th>Index NRS No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>Chief Counsels.................... 2000</td>
</tr>
<tr>
<td>1620</td>
<td>Classified Information/Safeguarding. 1620</td>
</tr>
<tr>
<td>2520</td>
<td>Communication Responsibilities..... 2520</td>
</tr>
<tr>
<td>1132</td>
<td>Definition of..................... 1132</td>
</tr>
<tr>
<td>7240</td>
<td>Delegations of Authority, Appropriations 7240</td>
</tr>
</tbody>
</table>

### DIRECTORS OF:

**Responsibilities:**

- Facilities Master Plan 7232
- GIDEP Representative 5310
- Micrographics Management 2314
- News Releases 1380
- Position Classification 3510
- Real Property Acquisition 8811
- Statements of Employment/Financial Interests 1900
- Stores Stock Management 4100
- Facilities 7232
- GIDEP Program 5310
- History Program 1070
- Information Processing Responsibility 2410

### INSTALLATIONS:

<table>
<thead>
<tr>
<th>Index NRS No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1107</td>
<td>Field Investigations............... 1107</td>
</tr>
</tbody>
</table>

- Ames Research Center (ARC)
- Goddard Space Flight Center (GSFC)
- Johnson Space Center (JSC)
- Kennedy Space Center (KSC)
- Langley Research Center (LaRC)
- Lewis Research Center (LoRC)
- Marshall Space Flight Center (MSFC)
- National Space Technology (NSTL)
- Laboratories
FINANCIAL MANAGEMENT CONTINUED:

DIRECTOR OF (FINANCIAL MANAGEMENT DIVISION)
Authority of .................................. 9210
Objectives of .................................. 1103
Reporting of .................................... 9200
Responsibilities ................................. 1103
Organization Chart .............................. 1103
Division, Office of the Comptroller 1103
Foreign Currency ............................... 9380

MISCELLANEOUS FINANCIAL MATTERS:
Allowances:
Notaries Public .................................. 9600
Payroll, Leave, and ............................ 9620
Authorizations:
Annual Obligation Reports
Certification .................................... 9040
Payments/Vouchers, Certification
Telephone Company Charges
Certification .................................... 9080
NASA Participation in Congressional
Hearings (Budget) .............................. 7460
Policies/Objectives .............................. 9000
User Charges ................................... 9080

FINDING AIDS
Audiovisual ...................................... 1521
Cartographic ..................................... 7100
Design and Construction ...................... 8823
NASA and NHQ Forms Index .................. 1420
Scientific and Technical ...................... 2200
Uniform Files Index ........................... 1442

Fire Protection .................................. 1700

FIREARMS ....................................... 1620
Authorization to Carry
Control and Issuance:
Definitions:
Certifying Official
Concealed Firearm
Unconcealed Firearm
Possession:
Certification for
Commercial Aircraft Limitations
Conditions for
Proficiency Maintenance
Qualifying Procedures/Standards
Record Keeping
Responsibility for
Storage Requirements
Training
Weapon Standards

FLAGS ........................................... 1020
Half-Staff
NASA
Rules
United States

Flammability, Odor, and Offgassing
Requirements and Test Procedures for
Materials in Environments that Support
Combustion ..................................... 8060

Flextime Attendance .......................... 3600

FLOOD HAZARDS
NASA Facilities Budget Estimate
Guidelines for .................................. 7400
Floodplain and Wetland Management ..... 8800

FOIA (Freedom of Information Act) ........ 1382
FOREIGN AFFAIRS
Aeronautical and Space Program .......... 1362
Decorations, Acceptance of ............... 1030
Exchange Visitors Employed by
NASA Contractors ............................. 1371
Policy
Waiver of Residence Abroad
Exhibits Request .............................. 1387
Intergovernmental Negotiations .......... 1360
Technology Utilization Material,
Access to ..................................... 2110
VISITORS ACTIVITIES COORDINATION:
Communist Dominated Countries and
Areas ........................................... 1371
Foreign Nationals
Foreign Representative
Procedures for
Responsibility for
... ALSO SEE "International" ...

Foreign Currency .............................. 9380
... ALSO SEE "Financial Management" ...

FOREIGN TRAVEL
Approval of .................................. 9710
College/University Personnel .......... 9720
Communist-dominated Countries (To) .... 1620
Approval of
Definition
Scope
Purpose
Health Services .............................. 1820
Nonprogram Activities ...................... 9710
Outside Meetings
Requirements
Studies/Training
Trip Reports

FORMS AND REPORTS, PREPARATION OF
Announcement of Opportunity ............. 7100
MANAGEMENT PROGRAM ..................... 1420
Definitions:
Forms
Installation Form
NASA Form
Optional Form
Standard Form
NASA/NHQ Prefixed Forms Index
Objectives
Policy
Procedures
Responsibilities
Marine Equipment ............................ 6600
RTOP .......................................... 7100
Statements of Work ......................... 5600

Forms Management ........................... 1420

FREEDOM OF INFORMATION ACT (FOIA) .... 1382
( Agency Records, public access to)
Administrative
Appeals
Control
Reports
Requests

Freight .......................................... 6100

FTS (Federal Telecommunications ........ 2530
System)

Full Faith and Credit Certificates ....... 2000
<table>
<thead>
<tr>
<th>Functional Management Statements</th>
<th>1240</th>
<th>Index NRS No. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fund-Raising</td>
<td>3940</td>
<td></td>
</tr>
<tr>
<td>Funding Technical Information Documents Pages Charges/Reprinting</td>
<td>9280</td>
<td></td>
</tr>
<tr>
<td>Funds, Administrative Control of Funds</td>
<td>9050</td>
<td></td>
</tr>
<tr>
<td>FURNITURE/FURNISHINGS, OFFICE Acquisitions Approval Requirements Assignment Criteria Definitions Executive Office/Furniture and Furnishings Federal Supply Schedules GS-15 and Above or Equivalent Policy Standards for Unitized Wood Furniture</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

----- G -----
GAG (Government Advisory Group) 5310
Gambling, Employee 1900
GAO (General Accounting Office) 1325 Audits 1325, 9920 Congressional Investigations for 1325 Financial Relationship 7400 Policy 1325 Relationships with Release of Information/Records (To) Policy/Ground Rules Response to Requests Special Cases Statutory Authority Responsibility to Working Procedures with ... ALSO SEE "General" ...
Gas / Gasoline Sales / Tickets 6700

**GRANTS**

**APPLICATIONS FOR**

**Case Files (Program Management)** 8300 **Correspondence (General)** 8310 **Handbook** 5800 **Evaluation of Proposals (Program)** 8320 **Machine-Readable Files** 2400 **Procurement, Responsibility for** 5101 **Products/Reports** 2230 **Termination of University** 8340 ... ALSO SEE "Procurement" **University Program** 8320

**Graphic Presentations, Standards and Guidelines** 1430 ... ALSO SEE "Audiovisual"

**GRATUITIES, EMPLOYEE ACCEPTANCE** 1900 ... ALSO SEE "GIFTS"

**GRIEVANCES**

**Employee, Complaint Resolution Delegation of Authority to Act On**

**GROUP LIFE INSURANCE**

**Personnel/Employees** 3670 **Travel Related** 9730

---

SERVICES ADMINISTRATION (GSA):

**Financial Relationship** 7400 **Regional Offices** 8811

Geodesy 7100 ... ALSO SEE "Cartography"

GIDE (Government Industry Data Exchange Program) 5310

**GIFTS**

Acceptance of:

Conditions for 1210 Employees 1900 Foreign Policy 1900

Globes 7100 ... ALSO SEE "Cartography"

Goddard Space Flight Center (GSFC) Communications Responsibilities 2520 Director: 1107 Authority to Act for Objectives Responsibilities Organization Chart 1107 ... ALSO SEE "Field Installations"

GOVERNMENT

GAG - Government Advisory Group for GIDE 5310

GIDE - Government Industry Data Exchange Program 5310

Losses in Shipment Act 2080 ... ALSO SEE "Transportation" **Printing Office, Standards (GPO)** 1490 Property Damage/Loss 2080, 4020 Quality Assurance Handbook 5300 Supplier Operations, Management of 5330

**GRAPHIC PRESENTATION, STANDARDS AND GUIDELINES** 1430 ... ALSO SEE "AUDIOVISUAL"

**GRATUITIES, EMPLOYEE ACCEPTANCE** 1900 ... ALSO SEE "GIFTS"

**GRIEVANCES**

**Employee, Complaint Resolution Delegation of Authority to Act On**

**GROUP LIFE INSURANCE**

**Personnel/Employees** 3670 **Travel Related** 9730
GSA (General Services Administration)
Regional Offices ................... 8811
... ALSO SEE "General"

GSFC (Goddard Space Flight Center) .... 1107
... ALSO SEE "Goddard Space Flight"

GUARD
Assignment ......................... 1600
Facility Checks .................... 1620
Service Control .................... 1600
Logs and Registers ................. 1680

Guide for Inservice Inspection of
Ground-Based Pressure Vessels and
Systems ............................ 1700

Guns .................................. 1620
... ALSO SEE "Firearms"

Handicapped Individuals ............... 2090, 3300

HEADQUARTERS
ADMINISTRATION:
Classified Information/Safe-
keeping Responsibilities .... 1620
Consulting Services Contracts/
Responsibilities .............. 5117

DIRECTOR OF HQ ADMINISTRATION:
Authority to Approve Labor-
Management Agreements .......... 3711
Responsibilities ................. 1102
Materials Inventory Management . 4100
Organization Chart ............... 1102
Field Installations Organization 1107
Research and Technology Activity ... 7100
RTOP Management System ............ 7100
Science Activity .................. 7100

HEALTH
Alcohol/Drug Abuse Program ....... 3792
Civilian Programs ................. 3890
Clinical Facilities ............... 1814
Controlled Drugs, List of .......... 1815
Disaster Medical Planning .......... 1890
Dispensary Logs .................. 1814
Environmental Health Program ..... 1870
Health Record Cards ............... 1800
Hearing Conservation in Noise .... 1820
Individual Cases ................... 1800
Machine-Readable Files .......... 2400
Medical/Dental Care Program ..... 3800
... ALSO SEE "Astronauts"
Medicines ........................ 1812
Narcotic and Drug Control .......... 1815
(Policy / Responsibilities)
NASA Policy ..................... 8710
Occupational Medicine .......... 1800
Occupational Safety and Health
Programs ........................ 8720
Physical Fitness .................. 1830
Safety and Health Handbook ..... 8720
Safety and Health Programs ..... 8710
Services/International Travel ..... 1820
Qualification Requirements .. 3339
Employment ....................... 1415
Reports .......................... 8720

HEALTH, EDUCATION AND WELFARE (HEW)
(Health and Human Services)
Department Of:
Air Pollution Division .............. 8800
Extraterrestrial Exposure,
Quarantine For .................. 8020
Hearing Conservation .............. 1820

Historian, Duties of .................. 1070
Historical Advisory Committee .... 1156

HISTORY PROGRAM
Artifacts: ........................ 4310
Definition
Disposition
Lists, Preparation
NASA Artifacts Committee
Policy
Procedures
Responsibilities
Director, Responsibilities ...... 1070
Policy
Program

Holiday Designation .............. 3610

Honor Awards ........................ 3451
... ALSO SEE "Awards"

Honorariums, Employee Acceptance .. 1900

Household Goods/Effects, Shipment of .. 9760

HOUSING:
And Personnel Quarters-Management of 8814
Maintenance and Repair .......... 8830
Reports .......................... 8845
Requests (EEO) ................... 3713

HUMAN RESEARCH: ..................... 7100
Authorization for
Policy/Procedure
Committee on
Content of Protocol for
Definitions
Injuries/Illness or Disease (Reports on)
Legal/Safety/Medical Office (Reviews of)
Procedures Changes, Reports on
Protocols/Authorization of
Requirements/Exceptions/Waivers
Subjects, Rights of
Voluntary Informed Consent of
Director, Responsibilities of ...... 8811

-----------------
<table>
<thead>
<tr>
<th>Index NRS</th>
<th>No.</th>
<th>Index NRS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identification-Badge Card</td>
<td>1620</td>
<td>Program Management Case Files</td>
</tr>
<tr>
<td>(Identification Credentials)</td>
<td></td>
<td>Public Appearances</td>
</tr>
<tr>
<td>Illegal or Unethical Conduct, Investigation and Reporting of</td>
<td>9950</td>
<td>PUBLICATIONS:</td>
</tr>
<tr>
<td>... ALSO SEE &quot;Conduct&quot; ...</td>
<td></td>
<td>Educational and Public</td>
</tr>
<tr>
<td>IMAGERY</td>
<td></td>
<td>Scientific and Technical</td>
</tr>
<tr>
<td>Earth Resources Survey Program</td>
<td>8005</td>
<td>Release to GAO:</td>
</tr>
<tr>
<td>Remote Sensing Imagery</td>
<td>7100</td>
<td>Policy/Ground Rules</td>
</tr>
<tr>
<td>Immigrant Aliens, Definition of</td>
<td>1610</td>
<td>Response to Requests</td>
</tr>
<tr>
<td>Importing of Space Articles</td>
<td>8610</td>
<td>Special Cases</td>
</tr>
<tr>
<td>Incentive Awards</td>
<td>3451</td>
<td>Statutory Authority</td>
</tr>
<tr>
<td>... ALSO SEE &quot;Awards&quot; ...</td>
<td></td>
<td>Release to News Media</td>
</tr>
<tr>
<td>Incentive Contracting Guide</td>
<td>5117</td>
<td>Retrieval/Records Disposition</td>
</tr>
<tr>
<td>... ALSO SEE &quot;Procurement&quot; ...</td>
<td></td>
<td>Requests</td>
</tr>
<tr>
<td>Indebtness, Employee</td>
<td>1900</td>
<td>SCIENTIFIC AND TECHNICAL:</td>
</tr>
<tr>
<td>INDEX(es)</td>
<td></td>
<td>Definition</td>
</tr>
<tr>
<td>NASA Management Instructions (NMI)</td>
<td>1410</td>
<td>Distribution and Availability Categories</td>
</tr>
<tr>
<td>NASA and NHQ Prefixed Forms</td>
<td>1420</td>
<td>Document Availability Authorization Definitions Policy Responsibilities GIDEP</td>
</tr>
<tr>
<td>Uniform Files</td>
<td>1442</td>
<td>Policy</td>
</tr>
<tr>
<td>... ALSO SEE &quot;Finding Aids&quot; ...</td>
<td></td>
<td>Presentation/Publication, Authority for Publication, Definitions Related Policies on Responsibilities</td>
</tr>
<tr>
<td>INDUSTRIAL</td>
<td></td>
<td>Space Science Flight Data</td>
</tr>
<tr>
<td>Labor Relations Manual, Contracts</td>
<td>5200</td>
<td>Senior Management, Direct Channel To</td>
</tr>
<tr>
<td>Labor Relations Manual, Program Management</td>
<td>8020</td>
<td>Speeches</td>
</tr>
<tr>
<td>Products/Services, Acquisition of</td>
<td>7410</td>
<td>Television, Use for Information Dissemination</td>
</tr>
<tr>
<td>Relations, Office Of, Director</td>
<td>1102</td>
<td></td>
</tr>
<tr>
<td>Security</td>
<td>1650</td>
<td></td>
</tr>
<tr>
<td>Ventilation Handbook</td>
<td>7320</td>
<td></td>
</tr>
<tr>
<td>Wind Tunnel Utilization</td>
<td>1300</td>
<td></td>
</tr>
<tr>
<td>Inflationary Impact Evaluation</td>
<td>7400</td>
<td></td>
</tr>
<tr>
<td>INFORMATION:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acknowledgement Files</td>
<td>1380</td>
<td></td>
</tr>
<tr>
<td>Audio Visual News Material</td>
<td>1383</td>
<td></td>
</tr>
<tr>
<td>Agency Records, Public Access Bibliographies</td>
<td>1070</td>
<td></td>
</tr>
<tr>
<td>Congressional</td>
<td>1450</td>
<td></td>
</tr>
<tr>
<td>Correspondence</td>
<td>1450</td>
<td></td>
</tr>
<tr>
<td>Executive Instructions on</td>
<td>1451</td>
<td></td>
</tr>
<tr>
<td>Control Systems</td>
<td>2340</td>
<td></td>
</tr>
<tr>
<td>Freedom of</td>
<td>1382</td>
<td></td>
</tr>
<tr>
<td>Information Management System</td>
<td>2300</td>
<td></td>
</tr>
<tr>
<td>Internal Communications</td>
<td>1480</td>
<td></td>
</tr>
<tr>
<td>Internal Control Of</td>
<td>1200</td>
<td></td>
</tr>
<tr>
<td>NASA Release to GAO</td>
<td>1325</td>
<td></td>
</tr>
<tr>
<td>Personnel, Release of</td>
<td>3294</td>
<td></td>
</tr>
<tr>
<td>Press Conference Transcripts</td>
<td>1389</td>
<td></td>
</tr>
<tr>
<td>Press Releases</td>
<td>1380</td>
<td></td>
</tr>
<tr>
<td>Privacy Act</td>
<td>1382</td>
<td></td>
</tr>
<tr>
<td>PROCESSING, Management Of</td>
<td>2410</td>
<td></td>
</tr>
<tr>
<td>Resources Management Handbook Acquisition Plans</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inventory Controls</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Policy and Responsibilities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Privacy and Security Data</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Software Management Security Assurance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>INSPECTIONS:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boilers</td>
<td>8833</td>
<td></td>
</tr>
<tr>
<td>Buildings</td>
<td>8834</td>
<td></td>
</tr>
<tr>
<td>Elevators</td>
<td>8833</td>
<td></td>
</tr>
<tr>
<td>Government Owned Facilities</td>
<td>8825</td>
<td></td>
</tr>
<tr>
<td>NASA Property, Persons</td>
<td>1600</td>
<td></td>
</tr>
<tr>
<td>Personnel</td>
<td>3273</td>
<td></td>
</tr>
<tr>
<td>Policy</td>
<td>8833</td>
<td></td>
</tr>
<tr>
<td>Pressure Vessels</td>
<td>1700</td>
<td></td>
</tr>
<tr>
<td>Privately Owned Facilities</td>
<td>8833</td>
<td></td>
</tr>
<tr>
<td>INSPECTOR GENERAL (IG):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Audit Policies/Procedures</td>
<td>9910</td>
<td></td>
</tr>
<tr>
<td>Committee Membership</td>
<td>1152</td>
<td></td>
</tr>
<tr>
<td>Employee Complaints To</td>
<td>3711</td>
<td></td>
</tr>
<tr>
<td>General (Audits/Investigations)</td>
<td>9500</td>
<td></td>
</tr>
<tr>
<td>Investigations By</td>
<td>9950</td>
<td></td>
</tr>
<tr>
<td>Organization Chart/Responsibility</td>
<td>1103</td>
<td></td>
</tr>
<tr>
<td>Relationship with GAO</td>
<td>9920</td>
<td></td>
</tr>
<tr>
<td>Installation Institutional Capability Planning and Plans</td>
<td>7234</td>
<td></td>
</tr>
<tr>
<td>(Facilities Utilization Program)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **INDEX NRS**
  - **No.**
  - **No.**
<table>
<thead>
<tr>
<th>Index NRS No.</th>
<th>No.</th>
<th>Index NRS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSTALLATIONS</td>
<td>1107</td>
<td>INTERNATIONALLY:</td>
</tr>
<tr>
<td>Ames Research Center (ARC)</td>
<td>1107</td>
<td>Aeronautical and Space Programs</td>
</tr>
<tr>
<td>Goddard Space Flight Center (GSFC)</td>
<td>1107</td>
<td>Affairs, Division of</td>
</tr>
<tr>
<td>Johnson Space Center (JSC)</td>
<td>1107</td>
<td>Intergovernmental Negotiations</td>
</tr>
<tr>
<td>Kennedy Space Center (KSC)</td>
<td>1107</td>
<td>Appointment of Delegates to</td>
</tr>
<tr>
<td>Langley Research Center (LaRC)</td>
<td>1107</td>
<td>International Conferences</td>
</tr>
<tr>
<td>Lewis Research Center (LeRC)</td>
<td>1107</td>
<td>Certificates of Vaccination</td>
</tr>
<tr>
<td>Marshall Space Flight Center (MSFC)</td>
<td>1107</td>
<td>Cooperative Projects</td>
</tr>
<tr>
<td>National Space Technology (NSTL) Laboratories</td>
<td>1107</td>
<td>DIRECTOR OF (AFFAIRS)</td>
</tr>
<tr>
<td>Classified Information/Safeguarding Responsibility</td>
<td>1107</td>
<td>Delegation of Authority to Act for</td>
</tr>
<tr>
<td>Communications Responsibilities</td>
<td>1107</td>
<td>Organization Chart</td>
</tr>
<tr>
<td>Security Instructions/Requirements</td>
<td>1107</td>
<td>Position Objective</td>
</tr>
<tr>
<td>... ALSO SEE &quot;Field Installations&quot; ...</td>
<td>1107</td>
<td>Responsibilities of</td>
</tr>
<tr>
<td>INSURANCE AND ANNUITIES</td>
<td>3800</td>
<td>Fellowships</td>
</tr>
<tr>
<td>Group Life Insurance</td>
<td>3870</td>
<td>Foreign Visitors/Activities</td>
</tr>
<tr>
<td>NASA Employees Benefit Association (NEBA)</td>
<td>3830</td>
<td>Organizations</td>
</tr>
<tr>
<td>Health Insurance</td>
<td>3870</td>
<td>Organization Chart (NASA)</td>
</tr>
<tr>
<td>Injury Compensation</td>
<td>3830</td>
<td>Resident Research Associateships</td>
</tr>
<tr>
<td>Retirement</td>
<td>3830</td>
<td>Responsibilities</td>
</tr>
<tr>
<td>Social Security/Retirement</td>
<td>3830</td>
<td>Support of Overseas Operations</td>
</tr>
<tr>
<td>Unemployment Compensation</td>
<td>3850</td>
<td>System of Units (SI)</td>
</tr>
<tr>
<td>Interagency Agreements:</td>
<td>1050</td>
<td>Training of Foreign Nationals</td>
</tr>
<tr>
<td>Amendments or Review of</td>
<td>1050</td>
<td>Transactions</td>
</tr>
<tr>
<td>Basic Requirement for</td>
<td>1050</td>
<td>Travel Abroad (NASA)</td>
</tr>
<tr>
<td>Contract Administration Related</td>
<td>1050</td>
<td>Approval of</td>
</tr>
<tr>
<td>Field Services</td>
<td>7410</td>
<td>Interview, Exit</td>
</tr>
<tr>
<td>Definition:</td>
<td>1050</td>
<td>... ALSO SEE &quot;Personnel&quot; ...</td>
</tr>
<tr>
<td>Format and Preparation</td>
<td>1050</td>
<td></td>
</tr>
<tr>
<td>Cancellation Paragraph</td>
<td>1050</td>
<td></td>
</tr>
<tr>
<td>Draft Copies</td>
<td>1050</td>
<td></td>
</tr>
<tr>
<td>Effective Date and Termination</td>
<td>1050</td>
<td></td>
</tr>
<tr>
<td>Final Version</td>
<td>1050</td>
<td></td>
</tr>
<tr>
<td>Original</td>
<td>1050</td>
<td></td>
</tr>
<tr>
<td>Reference List</td>
<td>1050</td>
<td></td>
</tr>
<tr>
<td>Signature Block</td>
<td>1050</td>
<td></td>
</tr>
<tr>
<td>Subject Title</td>
<td>1050</td>
<td></td>
</tr>
<tr>
<td>Listing</td>
<td>1050</td>
<td></td>
</tr>
<tr>
<td>Obtaining Authorization for</td>
<td>1050</td>
<td></td>
</tr>
<tr>
<td>Execute/Amen/Amend/Terminate:</td>
<td>1050</td>
<td></td>
</tr>
<tr>
<td>Conditions and Limitations On</td>
<td>1050</td>
<td></td>
</tr>
<tr>
<td>Delegation of Authority</td>
<td>1050</td>
<td></td>
</tr>
<tr>
<td>Effects on Current Agreements</td>
<td>1050</td>
<td></td>
</tr>
<tr>
<td>Reporting on</td>
<td>1050</td>
<td></td>
</tr>
<tr>
<td>Records and Publications of</td>
<td>1050</td>
<td></td>
</tr>
<tr>
<td>Review of</td>
<td>1050</td>
<td></td>
</tr>
<tr>
<td>Space Tug/Inertial Upper Stage Management (Air Force)</td>
<td>8020</td>
<td></td>
</tr>
<tr>
<td>Termination of</td>
<td>1050</td>
<td></td>
</tr>
<tr>
<td>Intercenter Aircraft Operations Panel</td>
<td>1152</td>
<td></td>
</tr>
<tr>
<td>Intercenter Committee on ADP</td>
<td>1152</td>
<td></td>
</tr>
<tr>
<td>Interception of Conversations/Meetings Policy on</td>
<td>2530</td>
<td></td>
</tr>
<tr>
<td>Interconnecting Cables</td>
<td>5300</td>
<td></td>
</tr>
<tr>
<td>Intergovernmental Personnel Act of 1970</td>
<td>3334</td>
<td></td>
</tr>
<tr>
<td>Interim Upper Stage</td>
<td>8000</td>
<td></td>
</tr>
<tr>
<td>Internal Control Systems</td>
<td>1200</td>
<td></td>
</tr>
</tbody>
</table>
## INVESTIGATIONS:

<table>
<thead>
<tr>
<th>Category</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accidents/Mission Failures</td>
<td>8621</td>
</tr>
<tr>
<td>Bugging, Electronic</td>
<td>2530</td>
</tr>
<tr>
<td>Full Field</td>
<td>1610</td>
</tr>
<tr>
<td>Guidelines for Acquisition of</td>
<td>8030</td>
</tr>
<tr>
<td>Outside Proposals/Procedures</td>
<td>8030</td>
</tr>
<tr>
<td>Personnel</td>
<td>1610</td>
</tr>
<tr>
<td>Policy on</td>
<td>2530</td>
</tr>
<tr>
<td>Recording of</td>
<td>2530</td>
</tr>
<tr>
<td>Reporting of</td>
<td>9950</td>
</tr>
<tr>
<td>Responsibilities for Security</td>
<td></td>
</tr>
<tr>
<td>Space Science &amp; Applications</td>
<td>1152</td>
</tr>
<tr>
<td>Terminology/Abbreviations</td>
<td>7100</td>
</tr>
</tbody>
</table>

## INVESTMENTS:

<table>
<thead>
<tr>
<th>Category</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employees</td>
<td>1900</td>
</tr>
<tr>
<td>Key Officials</td>
<td></td>
</tr>
<tr>
<td>Statement of Employment/Financial Interests</td>
<td></td>
</tr>
<tr>
<td>Invitations (Public Appearances)</td>
<td>1384</td>
</tr>
<tr>
<td>Invoices, Stores Accounting</td>
<td>4100</td>
</tr>
<tr>
<td>IUS (Inertial Upper Stage)</td>
<td>8020</td>
</tr>
<tr>
<td>... ALSO SEE &quot;Defense&quot;...</td>
<td></td>
</tr>
</tbody>
</table>

## JUSTICE

<table>
<thead>
<tr>
<th>Department</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drug Enforcement Administration</td>
<td>1815</td>
</tr>
<tr>
<td>Federal Register Documentation</td>
<td>1412</td>
</tr>
</tbody>
</table>

## KENNEDY SPACE CENTER (KSC)

<table>
<thead>
<tr>
<th>Object</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIR.</td>
<td>1107</td>
</tr>
<tr>
<td>Key Control, Security</td>
<td>1600</td>
</tr>
<tr>
<td>Key Employees/Positions</td>
<td></td>
</tr>
<tr>
<td>Investments, Requirements for</td>
<td>1900</td>
</tr>
<tr>
<td>Outside Employment, Policy for</td>
<td>1900</td>
</tr>
<tr>
<td>Ready Reserve Screening</td>
<td>3303</td>
</tr>
</tbody>
</table>

## KSC (Kennedy Space Center)

| ... ALSO SEE "Field Installations"... | |

## LABOR

<table>
<thead>
<tr>
<th>Category</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contractor Labor Relations</td>
<td>5200</td>
</tr>
<tr>
<td>Disputes, Strikes, and Work</td>
<td></td>
</tr>
<tr>
<td>Stoppages (Contractor)</td>
<td>5220</td>
</tr>
<tr>
<td>Employee-Management Relations</td>
<td>3711</td>
</tr>
<tr>
<td>Industrial Labor Relations Manual</td>
<td>5200</td>
</tr>
<tr>
<td>Labor Relations Board (Contractor)</td>
<td>5210</td>
</tr>
<tr>
<td>Policy (Labor-Management Relations)</td>
<td>3711</td>
</tr>
<tr>
<td>Program, Policy/Reporting/Review</td>
<td>3711</td>
</tr>
</tbody>
</table>

## LAUNCH

<table>
<thead>
<tr>
<th>Category</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Budget, Procurement Price-Out Data for Launch Vehicles &amp; Spacecraft</td>
<td>7400</td>
</tr>
<tr>
<td>Insignias on Reimbursable Launch Vehicles</td>
<td>8610</td>
</tr>
<tr>
<td>Operations (Contracts &amp; Agreements)</td>
<td>8610</td>
</tr>
<tr>
<td>... ALSO SEE &quot;Operations&quot;...</td>
<td></td>
</tr>
<tr>
<td>Reimbursement for, Non-U.S. Govt. Users</td>
<td></td>
</tr>
<tr>
<td>Application of Items Reimbursed</td>
<td>8610</td>
</tr>
<tr>
<td>Policy On Responsibility for Users, Definition of</td>
<td></td>
</tr>
<tr>
<td>Space Systems, Termination</td>
<td>8640</td>
</tr>
<tr>
<td>Tracking</td>
<td>8410</td>
</tr>
<tr>
<td>Unmanned Space Flight Projects</td>
<td>8430</td>
</tr>
</tbody>
</table>
LAWS AND LEGAL MATTERS

Budget Administration .......................... 7400
Case Law ........................................ 2020
Civil Rights ...................................... 2090
Claims (General) ................................. 2080
Conflict of Interest Enforcement ............. 1900
Contract Claims .................................. 2084
Court Actions: ................................... 2010
Federal Register/CFR Documentation .......... 1412
Interpretations ................................... 2070
Laws and Legal Matters ......................... 2000
Legal Assistance .................................. 2030
Taxes, Customs, and Duties ...................... 2040
Tort Claims: NASA, Against NASA Employee, Against U. S. Government, Against Leave ................................. 3600
... Also See "Personnel" ...
Lecturing (Employee) .............................. 1900
Speeches .......................................... 1385

LEDGERS

Allotment ......................................... 9230
Cost Report ....................................... 9240
General Accounts .................................. 9220
Property Accounting .............................. 9250
Subsidiary ........................................ 9280
... Also See "Accounting" ...

LEGISLATIVE

Accident/Mission Failure Investigation ........... 8621
Affairs (Branch) ................................. 1320
DIRECTOR: Authority to Act for Functions Organization Chart Responsibilities MATERIAL, Definition of .................. 1320
Processing of ................................... 7010
Program .......................................... 1320
Requests for ...................................... 1320
Responsibilities ................................. 1320
Responsibilities Authority to Act for Functions Organization Chart Responsibilities TIMELY IMPLEMENTATION OF (DIRECTIVES) .................. 1410
Levy and Garnishment ............................ 3500

Lewis Research Center (LeRC)

DIRECTOR: Authority to Act for Responsibilities Organization Chart ...
... Also See "Field Installations" ...
Licensing, Patent Regulations .................... 5127
... Also See "Patents" ...
Life Insurance, Group ............................ 3870
... Also See "Personnel" ...

LIFE SCIENCES

Advisory Committee ................................ 1156
Responsibility for ................................ 1102
... Also See "Space Science" ...

LINES OF SUCCESSION

Administrator, Delegation of Authority to Act For .................. 1162
Approval and Documentation of .................. 1160
Policy Requirements Special Lines of ...
LOGISTICS

Logistics and Security Division, Responsibilities .................. 1102
Federal Register Office, NASA Representative .................. 1412
Formulation of ................................... 7500
Organization Chart ............................... 1102
U. S. Government Manual Update .................. 1410

Logotype, NASA Official .......................... 1020
Losses In Shipment Act, Government .................. 6220
Lotteries, Employee ............................... 1900

LUNAR

Contamination ..................................... 8020
Mapping .......................................... 7100
Planetary Nomenclature ........................... 8020
SAMPLES, Control of ............................. 7100
Responsibility for Selection, Research and Development of Lunar Samples .................. 1387

MACHINE-READABLE RECORDS .................. 2400
Such As:
  Backup Media
  Guides
  Information Retrieval
  Instructions
  Reference
  Intermediate Data
  Master Files
  Print Files
  Publications
  Reports
  Source Data
  Specifications
  File Output
  System
  Temporary Media
  Test Data
  Test Documentation
  Valid Transaction
  Work Files

Machines, Office (Copying) ....................... 1490
MANAGEMENT CONTINUED:

SENIOR EXECUTIVE SERVICE (SES) .......................... 3100
Definitions:
Career Reserved Position
General Position
Senior Executive
Senior Executive Service Position

NASA EXECUTIVE RESOURCES BOARD .......................... 3100
NASA Performance Review Board
NASA SES Executive Position Managers
Responsibilities
Senior Executive Committee
Software/Flight Projects .............. 2410

SUPPORT OFFICE - Consulting Services Contracts/Responsibility 5117
Director .......................... 1103
Position Objectives
Responsibilities
Organization Chart
Visual Aids .......................... 1430
Work .......................... 1216
Work Breakdown Structures .......... 5610

Mapping .......................... 7100
... ALSO SEE "Cartography" ...

Marine Equipment, Maintenance of .......... 6600

Markings On Space Transportation Vehicles, Component Systems, and Payloads .......... 8610

Marshall Space Flight Center (MSFC)
Communication Responsibilities .......... 2520
Director .......................... 1107
Authority to Act for Objectives
Responsibilities
Organization Chart
Space Shuttle Program
Responsibility .......... 8020
Standard Parts Program
Responsibilities .......... 5320
... ALSO SEE "Field Installations" ...

Master List and Index to NASA Directives .......... 1410

MATERIALS
Inventory Management .......... 4100
Procurement Requests .......... 5100
Recovery of Critical Safety Regulations .......... 4300
Unlawful Reproduction of (Printing) .......... 8060

MEASUREMENTS
International System of Units .......... 8010
Metrology and Calibration .......... 5330
Metric System .......... 8010

MEDICINE
Astronauts/Dependents/Health Care Program .......... 8900
Hearing Conservation .......... 1820
MSF Responsibilities/Relationships .......... 8900
Occupational .......... 1800
Space Transportation System
Responsibilities .......... 8900
... ALSO SEE "Health" ...

MEETINGS
Management, NASA Sponsored .......... 1200
Background of Definitions:
Management Conferences
Retreat
Policy for Private Facilities, Use of Approval for Reporting on
Recording of .......... 2530
Conditions for Policy on
Scientific and Technical, Visual For
Travel to .......... 9710

Merit Promotion Case Files and Merit Promotion Plan (GS-15 & BELOW) .......... 3335

Messages, Recording Precedences for .......... 2530

Messenger Service .......... 1551

Metals, Precious - Recovery of .......... 4300

Metric System .......... 8010

Microbiological Examination of Space Hardware .......... 5340

Microcircuits - Qualified Products Lists Requirements for .......... 5300

Micrographics Management .......... 2314

MICROREPRODUCTION
Engineering Data, Specifications and Standards for .......... 2280
Management .......... 2314
Policy and Guidelines .......... 1440

MICS (Management Information and Control System) .......... 2340

MILITARY
Detailed Parent Service Report .......... 3280
Leave .......... 3630
Personnel .......... 3280
Service Obligations .......... 3303
Standard Requisitioning and Issue Procedures (MILSTRIP) .......... 4050
... ALSO SEE "Personnel" ...
| MINORITY GROUP STATISTICS SYSTEM  | 3713 |
| History        |  
| Procedures For Responsibility for Safeguards |  
| **MISSIONS** |  
| Director of ... SEE "Space Flight" Failure Investigation | 8621 |
| Objectives, Rating of | 8610 |
| Software Management Requirements | 2410 |
| Space Systems, Termination | 8640 |
| ... ALSO SEE "Shuttle" ... |  
| Mississippi Test Facility | 1107 |
| ... ALSO SEE "National Space Technology Laboratories" ... |  
| **MODELS** |  
| Cartographic | 7100 |
| Design and Construction | 8800 |
| Monitoring of Conversations/Meetings Policy on | 2530 |
| Monuments, Proposed | 8823 |
| **MOTION PICTURE, TELEVISION AND RADIO PRODUCTIONS** | 1394 |
| Definitions |  
| Class A/B Film/Television and Radio Productions |  
| Minimum Production Techniques |  
| Production |  
| Distribution of Policy |  
| Preparation ... ALSO SEE "Audiovisual" ... |  
| **MOTOR VEHICLE (Automobile/Car/Truck)** |  
| Accidents | 6750 |
| Correspondence | 6700 |
| Cost and Expense Data | 6740 |
| Leased and Rented | 6770 |
| Maintenance | 6740 |
| Management | 6700 |
| Operation | 6700 |
| Policy On | 6720 |
| Rented Vehicles, Claims for Collision/Upset Damage | 9720 |
| **MSFC (Marshall Space Flight Center)** | 1107 |
| **MTF (Mississippi Tech Facility)** | 1107 |
| ... ALSO SEE "National Space Technology Laboratories" ... |  
| **NATIONAL** |  
| Communications System (NCS) | 2520 |
| Environmental Policy Act (NEPA) | 8800 |
| Space Science Data Center (NSSDC) | 8030 |
| Functions Organization Responsibilities Space Technology Laboratories (NSTL) | 1107 |
| **NATO (North Atlantic Treaty Organization)** |  
| Information Loss/Compromise | 1620 |
| **NCS (National Communications System)** | 2520 |
| **NEBA (NASA Employees Benefit Association)** | 3870 |
| **NEMS (NASA Equipment Management System)** | 4200 |
| ... ALSO SEE "Equipment" ... |  

**NARCOTICS AND DRUG CONTROL** | 1815 |
| ... ALSO SEE "Health" ... |  

---

**Index NRS No. No.**

| NASA Advisory Council and Related Committees, Roles & Responsibility | 1103 |
| Communications Network (NASCOM) | 2520 |
| (Definition of / Procedures for Council) | 1152 |
| Employees Benefit Association (NEBA) | 3870 |
| Engineering Management Council | 1152 |
| Environmental Health Program | 1800 |
| Equipment Management System (NEMS) | 4200 |
| Executive Resources Board | 3100 |
| Facilities Programs, Coordination/Management of | 8800 |
| Grant and Cooperative Agreement Handbook | 5800 |
| Internal Committees, Establishment/Management of | 1150 |
| Internal Control Systems | 1200 |
| Internal Standing Committee for the Issuance of Permits to Ship Rocket Motors containing Class B Explosives in a Propulsive State or with the Igniters Installed | 1152 |
| Materials Inventory Management Manual | 4100 |
| NASCOM (NASA Communications Network) | 2520 |
| Operations and Engineering Panel | 1152 |
| Parts Steering Committee | 1152 |
| Performance Review Board | 3100 |
| Program Change Review | 1120 |
| Programs and Activities, Intergovernmental Review of | 8800 |
| RECON Procedures (Remote Console) | 2220 |
| SES Executive Position Managers (Senior Executive Service) | 3100 |
| Transportation and General Traffic Management | 6200 |

**FUNCTIONS ORGANIZATION RESPONSIBILITIES**

**SPACE TECHNOLOGY LABORATORIES (NSTL)** | 1107 |

**SPACE TECHNOLOGY LABORATORIES (NSTL)** | 1107 |

**DIRECTOR** |  
| **ORGANIZATION RESPONSIBILITIES** |  
| **... ALSO SEE "Field Installations" ...** |  

**NATIONAL** |  
| Communications System (NCS) | 2520 |
| Environmental Policy Act (NEPA) | 8800 |
| Space Science Data Center (NSSDC) | 8030 |
| Functions Organization Responsibilities Space Technology Laboratories (NSTL) | 1107 |

**NATO (North Atlantic Treaty Organization)** |  
| Information Loss/Compromise | 1620 |
| **NCS (National Communications System)** | 2520 |
| **NEBA (NASA Employees Benefit Association)** | 3870 |
| **NEMS (NASA Equipment Management System)** | 4200 |
| ... ALSO SEE "Equipment" ... |  

---

**Index NRS No. No.**

---

**** N ****

**Narcotics and Drug Control** | 1815 |
| ... ALSO SEE "Health" ... |
NEPA (National Environmental Policy Act) ........................................ 8800

NEWS (AND INFORMATION)
Accident Investigation Reports .... 1382
Accident Reports
Agency Records/Public Access
Casualty Reports
Conferences ................................ 1389
Coordination of / Policy .......... 1380
Officials, Public Appearance By ... 1384
Presentations, Scientific and Technical ........................................... 2220
Release .................................. 1382
Responsibility for .................. 1380
Speeches, Scientific and Technical .............................................. 2220
Speeches, General .................... 1385
Noise Research, Hearing Conservation ... 1820
Nondisclosure Agreements (Employees) ... 1610

Nondiscrimination
Age ........................................ 2090
Federal Women's Program .......... 3713
Handicapped Individuals ............ 2090
NASA Federally-Assisted Programs .. 2090
Public Events Participation ......... 1380
Nonprofit Institutions ............... 1050

Nonreimbursable Costs, Space Act Agreements, Delegation of Authority 1050

Nonscientific Payloads .............. 8610
Definitions
Policy
Space Transportation System

Nonsensitive Position, Investigative Requirements for ................. 1610
North Atlantic Treaty Organization, Information Loss/Compromise ...... 1620
Notaries Public ......................... 9600
Notices, NASA (Federal Register) 1412

Notification and Alert System
Normal Operations ..................... 1590
Officials, Public Appearances By ... 1384
Special Alert ............................ 1590
Notification of Personnel Action .... 3200
... ALSO SEE "Personnel" ...

NSSDC (National Space Science Data Center) ............................... 8030

NSTL (National Space Technologies Laboratories) Roles/Responsibility ... 1107
... ALSO SEE "Field Installations" ...

OAST (Office of Aeronautics and Space Technology) Role/Responsibility ... 1102
... ALSO SEE "Office of"

Oaths of Office ........................ 3311
Ocean Dynamics Advisory Subcommittee ... 1156

Occupational Medicine
Agency Program ......................... 1800
Hearing Conservation ................. 1820
Narcotics and Drugs, Handling of .... 1815
Safety and Health Handbooks ........ 8720
Safety and Health Programs ......... 8710
... ALSO SEE "Health"

Occupational Safety and Health Program . 8720
OD (Operations Directive) .......... 8610
OEP (Office of Emergency Planning) ... 1040
... ALSO SEE "Emergency"

Office
Equipment ................................ 1571
Furniture/Furnishings (Use & Replacement Standards) .... 4220
HEADQUARTERS (Office Role & Responsibilities) .............. 1102
Machines .................................. 1490
Personnel Management, of (OPM) .... 3510
Supplies .................................. 1570

Office of:
Aeronautics and Space Technology
Associate Administrator: .......... 1102
Authority to Act for
Lines of Succession ................. 1152
ROLES & RESPONSIBILITIES:
Accident/Mission Failure ............ 8621
GIDEP Utilization ....................... 5310
Organization ............................ 1102
Program Planning ..................... 1102
Program Formulation and Review ... 7040
Scientific Information ............... 2200
Technical Publications .............. 2220

Commercial Programs
Assistant Administrator: .......... 1103
Authority to Act for
Role & Responsibilities
Organization Chart

Headquarters Offices ... See Specific Office ...

Management
Associate Administrator for:
Authority to Act for .......... 1102
Authority to Approve Employment
Ceilings .................. 3510
Lines of Succession ............... 1102
NASA Council ......................... 1152
Responsibilities ..................... 1102
Federal Register ...................... 1412
Organization Chart ................. 1102
Position Management Program .... 3510
Privacy Act of 1974 ................. 1382
Role & Responsibility ............. 1102
### OFFICE OF CONTINUED:

#### PERSONNEL MANAGEMENT (OPM)
- **Delegation of Authority**: 3510
- **Position Classification Responsibilities**: 3304
- **Experts/Consultants Employment**: 9710
- **Conditions of Limitation of**

#### PROCUREMENT
- **Director, Authority to Act for**: 1103
- **Power/Authority**: 5101
- **CASS Administration/Overhead Monitoring Program**: 5130
- **Federal Register Documentation**: 1412
- **Policy Information**: 5100
- **Priorities**: 5100
- **University Projects**: 8510
- **Federal Register Publication Officer**: 1412
- **Organization Chart**: 1103
- **Pricing Division**: 5131

#### SMALL AND DISADVANTAGED BUSINESS UTILIZATION
- **Policy**: 5119
- **Roles and Responsibilities**: 1103

#### SPACE FLIGHT (OSF)
- **Associate Administrator for**: 1102
- **Authority to Act for**
- **Line of Succession for**
- **Position/Objective Responsibilities**:
  - **General**: 1102
  - **GIDEP Utilization**: 5130
  - **NASA & NASA-Related Payloads**: 8610
  - **STS Security**: 8610
  - **Committee Memberships**: 1152
  - **GSFC Responsibilities**: 1107
  - **JPL Responsibilities**: 1102
  - **Organization Chart**: 1102

#### SPACE SCIENCE AND APPLICATIONS (OSSA)
- **Associate Administrator for**
- **Authority to Act for**
- **Responsibilities**:
  - **Mission Failure Reports**: 8621
  - **Reliability and Quality**: 5310
  - **Committees and Boards**: 1152
  - **GSFC Responsibilities**: 1107
  - **Investigations/Announcements of Opportunity Process**: 7100
  - **Mission Failure Investigations and Reports**: 8621
  - **Organization Chart**: 1102
  - **Scientific/Technical Information Authority For**: 2220

### OFFICE OF CONTINUED:

#### SPACE TRACKING AND DATA SYSTEMS
- **Associate Administrator for**: 1102
- **Authority to Act for**
- **Position Objectives Responsibilities**
- **Committees and Boards**: 1152
- **Communications Responsibilities**: 2520
- **GSFC Responsibilities**: 1107
- **Organization Chart**: 1102
- **Scientific/Technical Information Authority For**: 2220
- **Support**:
  - **Reimbursable Launches of Non-U.S. Government Spacecraft**: 8410
  - **Space Systems, Termination**: 8640
  - **Unmanned Space Flight Projects**: 8430

#### OMB (Office of Management & Budget)
- **Officials, Public Appearances By**: 1384

#### OPERATIONS
- **Accident/Mission Failures**
- **Investigation, Documentation**: 8621
- **Directive (OD)**: 8610
- **Launch Contracts and Agreements**: 8610
- **Mission Objectives & Success Rating**
- **Non-U.S. Government Reimbursable Launches**
- **Software Management**: 2410
- **Space Systems Termination**: 8640
- **Space Transportation System Reimbursements**: 8610
- **STS Support Requirements Requirements (OR)**

#### OPM (Office of Personnel Management)
- **Responsibilities**: 3510
  - **... ALSO SEE "Office of"...**

#### OR (Operations Requirements)
- **Organic Contamination, Lunar & Planetary**: 8020
  - **... ALSO SEE "Contamination Control"...**

#### ORGANIZATION
- **CHART**:
- **Agency**: 1101
- **HQ Program Offices Organization**: 1102
- **HQ Staff Office Organization**: 1103
- **Committees, Boards, Councils, Panels**: 1150
- **FIELD INSTALLATIONS**
- **Ames Research Center**: ARC
- **Goddard Space Flight Center**: GSFC
- **Johnson Space Center**: JSC
- **Kennedy Space Center**: KSC
- **Langley Research Center**: LARC
- **Lewis Research Center**: Lerc
- **Marshall Space Flight Center**: MSFC
- **National Space Technology Laboratories**: NSTL

#### HEADQUARTERS OFFICES:
- **Aeronautics and Space Technology**
- **Role & Responsibility**: 1102
- **Commercial Programs**: 1103
- **Comptroller**
- **Equal Opportunity Programs**
- **External Relations**
- **General Counsel**
- **Inspector General**
- **Legislative Affairs**
ORGANIZATION CONTINUED:

Management ........................................... 1102
Procurement .......................................... 1103
Space Flight .......................................... 1102
Space Science and Applications
Space Station
Space Tracking and Data Systems
Lines of Succession:
Administrator .................................... 1162
Policy .................................................. 1160
Responsibilities (Agency-wide),
Structure and Changes .............................. 1120
Statement of Organization and
General Information ................................ 1120
Terminology/Definitions ............................. 1132

Orientation, Employee ................................. 1900
... ALSO SEE "Personnel" ...

OSF (Office of Space Flight)
Responsibilities .................................... 1102
... ALSO SEE "Office Of" ...

OSSA (Office of Space Science and
Applications) Responsibilities ....................... 1102
... ALSO SEE "Office Of" ...

OSTDS (Office of Space Tracking and
Data Systems) Responsibilities ....................... 1102
... ALSO SEE "Office Of" ...

Outplacement Program ................................. 3250
Outside Awards ........................................ 3451
Overhead Monitoring Program ......................... 5131
Overtime Policy ......................................... 3550

------------------

***** p *****

PAD (Project Approval Document) .................. 7120
Page and Reprint Charges, Technical
Information Documents ............................... 9280
Panels .................................................. 1150
... ALSO SEE "Committees" ...

PARTS AND MATERIALS
Basic Policy ........................................... 5320
Parts Steering Committee ............................ 1152
Problem Reports (Alerts) ............................ 5310
Standard Parts ........................................ 5320
Test Data ................................................ 5310

Parts Steering Committee ............................ 1152

PATENTS
Assistant General Counsel
Responsibilities ...................................... 2000
Foreign Program: ...................................... 2000
Licensing Regulations
Government License
Patent Rights Enforcement
Policy/Procedures
Types, Terms and Conditions

PATENTS CONTINUED:

Licensing, NASA Inventions: ....................... 5127
Appeals/Litigation
Communications Address
Considerations on
Definitions
Administrator
Government
Invention/Practice of
Nonexclusive/Exclusive
Application for
Practical Application for
Processing of Applications for
Publication of
Royalties/ Fees
Special Invention
Types of

Management Directives ............................... 1410
Recommendation/Review For
Inventions & Contributions Board .................. 1410
Redelegation of Authority For ....................... 2000
Waiver ................................................. 5127

Pay Administration .................................... 3550
... ALSO SEE "Personnel" ...

PAYLOAD SPECIALIST (Operations) .................... 8651
Definitions
Responsibilities
Selection
... ALSO SEE "Astronauts" ...

PAYLOADS
Classification Of .................................... 8010
Launch Preparation ................................. 1107
Nonscientific ......................................... 8610
Small Self-Contained ................................. 8610

Performance Data, Contractor
Reporting of .......................................... 9501
Performance Evaluation Board,
Caltech/JPL ............................................. 1152

PERSONAL INJURY
Reporting and Analysis .............................. 1700
Tort Claims ............................................ 2080
Property Damage ...................................... 2080
Property Disposal Manual ............................ 4300

PERSONNEL
Absence and Leave .................................... 3630
Action Form, Request For ............................ 3280
ADVERSE ACTIONS (General) ......................... 3750
Adverse Actions ....................................... 3752
Appeals Systems Manual ............................. 3771
Responsibility to Act ............................... 3752
Alcohol and Drug Abuse Program ..................... 3792
Allowances (General) ................................ 3759
Appeals Systems Manual ............................. 3771
Attendance ............................................. 3600
Awards .................................................. 3451
Career Counseling .................................... 3250
Career Development (Training) ....................... 3410
Charity Drives ........................................ 3940
Civil Service Commission (CSC)
Responsibilities ....................................... 3510
Classification Act System ........................... 3531
Classification, Position .............................. 3500
Contributions .......................................... 3940
Credit Unions ......................................... 3950
PERSONNEL CONTINUED:

Discipline .................................. 3751

DIRECTOR OF: .................................. 1102

EMPLOYEE

Contract, Standards Of .................. 1900
Development (Training) ................. 3410
Grievances, Responsibility to Act On .................................. 3771
Investigations .................................. 3736
Management Relations ................... 3711
Orientation .................................. 3711
Organizations and Activities ............ 3712
Performance and Utilization ............. 3400
Recognition and Incentives .......... 3450
Responsibilities and Conduct .......... 3735
Services To (General) ................. 3790

Employment (General) ................... 3300

EQUAL EMPLOYMENT OPPORTUNITY:

Policy .................................. 1103
Responsibility For Minority Group Statistics System .................................. 3713
Experts and Consultant Employment ........ 3304
Furloughs .................................. 3715
Grievances: Responsibility to Act On .......... 3771
Health, Occupational ................. 1800
Incentive Awards ......................... 3451
Inspections, Surveys and Audits .......... 3273

INSURANCE:

Annuities .................................. 3800
Injury Compensation ...................... 3810
Insurance (General) ....................... 3800
Group Health .................................. 3890
Group Life .................................. 3870
Old Age and Survivors ................. 3832
Retirement .................................. 3831
Job Retention .................................. 3350
Leave .................................. 3530
Management, Personnel .................. 3250

MILITARY:

Assignments to NASA .................. 3280
Requests for Extensions of Responsibility for Awards/Recommendations Detailing to NASA Evaluation Reports .................................. 3271

Mobility (Developing Policy, Procedures and Standards) .......... 3271

Mobility Agreements Under Title IV .................................. 3334
Mobility, Procurement Career .................................. 3410
Development Program Guide ............. 3410

MIXDISCRIMINATION:

Equal Opportunity Programs Responsibility for Minority Group Statistics System Responsibilities for Nondisciplinary Separations, Demotions, and Furloughs .................................. 3715
Oaths of Office .................................. 3311
Old Age and Survivors Insurance ........ 3832
Orientation, Employee ....................... 3711
Overseas allowances and Post Differential .................. 3592
Overseas Employment ....................... 3301
Pay Administration ....................... 3550
<table>
<thead>
<tr>
<th>Index NRS No.</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Placement, Personnel .................................. 3300</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLANTARY Cartography .................................. 7100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contamination Control .................................. 8020</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Programs, Responsibility for .......................... 1102</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Planning and Program Integration ........................ 1152</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PMIS (Personnel Management Information System) ........ 3291</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Policies, Implementation of .............................. 1410</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Policy Analysis .......................................... 1152</td>
<td></td>
<td></td>
</tr>
<tr>
<td>POLLUTION Air/Water, Prevention, Control and Abatement .......... 8800</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Federal Water Pollution Control Administration (FWPCA), Regional Offices .......... 7400</td>
<td></td>
<td></td>
</tr>
<tr>
<td>... ALSO SEE &quot;Enviromental&quot; ...</td>
<td></td>
<td></td>
</tr>
<tr>
<td>POP (Program Operating Plan) ............................ 7400</td>
<td></td>
<td></td>
</tr>
<tr>
<td>[Budget Administration]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Position Classification, Pay, and Allinances Handbook .......... 3500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pay Administration: Classification Act System, Responsibility to Adjust .......... 3531</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Step &amp; Quality Increases .............................. 3531</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overtime Policy ........................................ 3550</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Premium Pay ........................................... 3550</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rate Rule, Application of ................................ 3530</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Responsibilities ........................................ 3510</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Uniforms ............................................... 3594</td>
<td></td>
<td></td>
</tr>
<tr>
<td>... ALSO SEE &quot;Personnel&quot; ...</td>
<td></td>
<td></td>
</tr>
<tr>
<td>POSITION MANAGEMENT PROGRAM: .......................... 3510</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Definition ........................................... 3510</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Policy ............................................... 3510</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Responsibilities ....................................... 3510</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PRD (Program Requirements Document) ...................... 8610</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Premium Pay ........................................... 3550</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PRESENTATIONS Scientific and Technical ...................... 2200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Delegation of Authority .................................. 5115</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Limitations On Reporting On ................................ 5115</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Graphics Services ....................................... 1520</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Visual and Graphic, Guidelines for .................................. 1430</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Visual Aids Service ..................................... 1521</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Presents (Foreign) Acceptance of .......................... 1030</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pressue Vessels/Pressurized Systems ...................... 1710</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pricing Data, Waivers on .................................. 5101</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Printed Reports (Submission) ................................ 4100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>... ALSO SEE &quot;Reports&quot; ...</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PRINTED WIRING BOARDS: .................................. 5300</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conformal Coating Requirements for Staking .......................... 5300</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PRINTING: ............................................... 1490</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color Contract/Grant Documentation ......................... 1490</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Copyrighted Material ..................................... 1490</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Covers, Authors' Name on Definitions: .......................... 1490</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Binding Column-one Equipment ............................. 1490</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Duplicating Duplicating Center ............................ 1490</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Policy ............................................... 1490</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Information Processing, Privacy and Security of Data .......... 2410</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Regulations ........................................... 1382</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Responsibility for ....................................... 1382</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Safeguarding Unclassified Record Systems .................. 1620</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Statements of Employment/Financial Interests .............. 1900</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PROCUREMENT (Contracts) Assistant Administrator for, Responsibilities ....................... 1103</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Buy America Act ......................................... 5125</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BY NEGOTIATION: ......................................... 5115</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contractor Selection Publication Debriefing of Unsuccessful Companies Headquarters Selection Officials Source Evaluation Board Handbook (SEB) Career Development Program Guide .......... 3410</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Certification Process .................................... 1240</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Competition ............................................ 1210</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Contract Cost Principles and Procedures Contractor IR&amp;D, NASA Involvement .................. 5131</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Delegation of Authority: .................................. 5101</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Field Installations Headquarters Administration Division Headquarters Contracts and Grants Division</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
PROCUREMENT CONTINUED:

Evaluation Procedures ........................................ 1240
Federal Acquisition Regulation Supplement ................... 5101
Information Processing Resources: ............................. 2410
ADPE Acquisition
Software Acquisition
Intern Program ..................................................... 3410
Legal Review: .................................................... 5101
Policy Requirements
Monitoring ................................................................ 1240
Priorities Authority .................................................. 5101
Recoupment Policy ................................................... 5127
Regulations ............................................................ 5100
Requests ............................................................... 5101

RESPONSIBILITIES:
DIRECTOR (of Procurement)
Authority to Act for ............................................... 1103
Federal Register Publication Officer ............................ 1412
Organization Chart ................................................. 1103
Power/Authority ..................................................... 5101
Pricing Division ...................................................... 5131
CAS ADMINISTRATION / OVERHAUL
Monitoring Program .................................................. 5131
Description of ....................................................... 1103
Federal Register Documentation ................................. 1412
Policy Formation ..................................................... 5100
Priorities .............................................................. 5101
University Projects ................................................. 8310
Spinning Solid Upper Stages ...................................... 8610
Telecommunications Services .................................... 2530

Productivity .......................................................... 1270

PRODUCTIVITY AND QUALITY ENHANCEMENT .......... 1270

Delegation of Authority
Policy
Responsibilities

PROGRAM(s)
Agency Sponsored ...................................................... 7000
Budget Formulation and Execution ............................... 1103
Facilities, Management & Operations ......................... 8800
Formulation .......................................................... 7000
Introduction Document (PID) ...................................... 8610
Management .......................................................... 8000
Operating Plans (POP) ............................................. 7400
Operations ............................................................ 8600
Requirements Document (PRD) .................................. 8610
Support Plan (PSP) .................................................. 8610

PROJECT: ............................................................. 7120
Approval Document (PAD)
Initiation Agreement
Management Principles
Planning and Approval
Project Formulation & Definition
Project Initiation Agreement
Policies
Productivity and Quality and
Enhancement .......................................................... 1270
NAMES: ............................................................... 7620
Designation Committee
Identification/Official Designations
Planning (Research and Development
Planning & Approval - Major R&D) ....................... 7121
Resources Management:
Allocation and Control ........................................... 7000
Information Processing ............................................ 2410
Responsibilities ..................................................... 7120
Space Flight Programs ............................................. 7120

PROPERTY (AND SUPPLY): ...................................... 4310
Definitions
Appropriation
Excess Personal Property
Personal Property
Disposal, Foreign Personal/
Personal Excess .................................................... 4300
Employee Use ....................................................... 1900
Equipment Management ......................................... 4000
Inventory Control System ....................................... 4100
Lost/Damaged/Destroyed, Survey for ......................... 4200

PERSONAL:
Claim Settlement: .................................................. 2080
Claimants, Definition of
Claims, Allowable/Unallowable
Computation of Allowance
Delegation of Authority for .................................... 2000
NASA, Against ..................................................... 2080
NASA Employee, Against
Recovery from Third Parties
Settlement Official,
Responsibility of
Supporting Evidence for
Time Limitations
Excess ................................................................. 4300
Exchange or Sale of
Foreign Excess, Disposal of
Non-NASA Annual Report
Non-NASA Excess: ............................................... 4310
Policy
Procedures for
Utilization of
Report Requirements ............................................. 4300
Surplus ............................................................... 4300

Procurement Requests ............................................. 5101
Property Disposal Officer/Review Board ......................... 4300

REAL:
Acceptance Of ...................................................... 8800
Accountable Officer ............................................... 7232
Acquisition .......................................................... 8811
Approval
Relocation Assistance, Displace
Persons
Army Corps of Engineers, Leases ......................... 8812
Leaseholds, Permits, and
Licenses, Services for ....................................... 8813
Real Property under Management, Control ............. 8800
Classification of .................................................... 8800
Information Requirement for .................................. 8811
Procedures for ..................................................... 8811

DEFINITION:
Displaced Persons .................................................. 8811
Easement ............................................................. 8800
Excess Real Property
Holding Agency
Installed Property
Institutional Director .............................................. 8813
Interest in Real Property ....................................... 8813
Leased Property ..................................................... 8800
Leasehold Improvements ....................................... 8800
# PROPERTY (AND SUPPLY) CONTINUED:

<table>
<thead>
<tr>
<th>Description</th>
<th>Index No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Real Property Accountable Officer</td>
<td>8800</td>
</tr>
<tr>
<td>Delegation of Authority</td>
<td>8810</td>
</tr>
<tr>
<td>Facility Planning and Project Coordination</td>
<td>8800</td>
</tr>
<tr>
<td>Inventory of LEASEHOLDS, PERMITS AND LICENSES:</td>
<td>8613</td>
</tr>
<tr>
<td>Army Corps of Engineers, Services</td>
<td>8800</td>
</tr>
<tr>
<td>Delegation of Authority for Restrictions On</td>
<td>8800</td>
</tr>
<tr>
<td>Records, Examples of Reporting Requirements for Transfer or Disposal</td>
<td>8613</td>
</tr>
<tr>
<td>Scrap/Salvage, Disposal of</td>
<td>4300</td>
</tr>
</tbody>
</table>

# SOURCES OF SUPPLY:

<table>
<thead>
<tr>
<th>Description</th>
<th>Index No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>FEDSTIP/MILSTRIP Activity Address Codes</td>
<td>4050</td>
</tr>
<tr>
<td>User Charges, Leased/Sold</td>
<td>9080</td>
</tr>
<tr>
<td>Utilization and Maintenance of Federal Cataloging</td>
<td>4410</td>
</tr>
</tbody>
</table>

**ALSO SEE "Equipment"**

# PUBLIC AFFAIRS:

<table>
<thead>
<tr>
<th>Description</th>
<th>Index No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accident/Mission Failure Investigation</td>
<td>8621</td>
</tr>
<tr>
<td>DIRECTOR OF: Accident/Mission Failure Investigation</td>
<td>8621</td>
</tr>
<tr>
<td>Lines of Succession</td>
<td>1103</td>
</tr>
<tr>
<td>Freedom of Information (FOIA)</td>
<td>1382</td>
</tr>
<tr>
<td>Foreign Government Awards</td>
<td>1395</td>
</tr>
<tr>
<td>Nondiscrimination Policy</td>
<td>1380</td>
</tr>
<tr>
<td>Organization Chart</td>
<td>1380</td>
</tr>
<tr>
<td>Policy</td>
<td>1380</td>
</tr>
<tr>
<td>Release of Information</td>
<td>1382</td>
</tr>
<tr>
<td>Reporting Requirements</td>
<td>1382</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Description</th>
<th>Index No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPEARANCES</td>
<td>1384</td>
</tr>
<tr>
<td>Astronauts/Officials</td>
<td>1387</td>
</tr>
<tr>
<td>Information Publications, Educational and Public</td>
<td>1392</td>
</tr>
<tr>
<td>Motion Picture, Television, and Radio Productions</td>
<td>1394</td>
</tr>
<tr>
<td>Speaking Engagements, Acceptance</td>
<td>1385</td>
</tr>
</tbody>
</table>

# PUBLICATIONS CONTINUED:

<table>
<thead>
<tr>
<th>Description</th>
<th>Index No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Historical</td>
<td>1070</td>
</tr>
<tr>
<td>Scientific and Technical</td>
<td>2220</td>
</tr>
<tr>
<td>Approval Presentation/Publication</td>
<td>2220</td>
</tr>
<tr>
<td>Delegation of Authority</td>
<td>8800</td>
</tr>
<tr>
<td>Criteria for: Format Policy</td>
<td>8800</td>
</tr>
<tr>
<td>Release of Reporting on Special/Proposals</td>
<td>8810</td>
</tr>
<tr>
<td>Technical Notes</td>
<td>8800</td>
</tr>
<tr>
<td>Technical Reprints</td>
<td>8800</td>
</tr>
<tr>
<td>Technical Translations</td>
<td>8800</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Description</th>
<th>Index No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUALITY ASSURANCE</td>
<td>5300</td>
</tr>
<tr>
<td>Aeronautical and Space Systems Inspection/Provisions for Contractors, Aeronautical and Space Systems</td>
<td>5300</td>
</tr>
<tr>
<td>General Provisions</td>
<td>5310</td>
</tr>
<tr>
<td>Government Agencies, Provisions for</td>
<td>5300</td>
</tr>
<tr>
<td>Government Supplier Operations, Management of</td>
<td>5330</td>
</tr>
<tr>
<td>Legislative/Presidential Decisions for</td>
<td>1410</td>
</tr>
<tr>
<td>NASA-DoD Relationships</td>
<td>5311</td>
</tr>
<tr>
<td>Reliability and Responsibility for</td>
<td>5300</td>
</tr>
<tr>
<td>Safety &amp; Health</td>
<td>5300</td>
</tr>
<tr>
<td>Contamination Control</td>
<td>5340</td>
</tr>
<tr>
<td>Increases (Personnel)</td>
<td>3531</td>
</tr>
<tr>
<td>Policies and Programs</td>
<td>5330</td>
</tr>
<tr>
<td>Reliability Policies and Programs</td>
<td>5320</td>
</tr>
<tr>
<td>Soldered Electrical Connections</td>
<td>5300</td>
</tr>
<tr>
<td>Space Shuttle Program</td>
<td>5300</td>
</tr>
<tr>
<td>Status Stamping Requirements</td>
<td>5330</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Description</th>
<th>Index No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>QUARANTINE</td>
<td>8020</td>
</tr>
<tr>
<td>Contamination and Control</td>
<td>8020</td>
</tr>
<tr>
<td>Definition of Extraterrestrial Exposure Period of Policy</td>
<td>8020</td>
</tr>
<tr>
<td>Provisions for Unmanned Extraterrestrial Missions</td>
<td>8020</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Description</th>
<th>Index No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>R&amp;D (Research and Development)</td>
<td>7000</td>
</tr>
<tr>
<td>R&amp;PM (Research and Program Management)</td>
<td>7000</td>
</tr>
<tr>
<td>Radiation, Protection From</td>
<td>1043</td>
</tr>
</tbody>
</table>
RADIO
Communications, Preparation of (Production of) .................. 1394
FREQUENCY TRANSMISSION:
Acquisition of Communications and Equipment ................... 5117
Definition of Policy Procedures for Responsibility for
Radiological Health .......................................................... 1043
Ready Reserve Personnel, Screening of, Responsibility ............... 3303
REAL PROPERTY AND FACILITIES
Land and Improvement:
Acquisition by Transfer .................................................. 8811
Relocation Assistance, Displaced Persons Responsibility for .......... 8810
Location Priority ............................................................ 8800
Physical Accountability, Recording, Reporting ......................... 8800
Recording Devices ( Conversations/Investigations/Meetings) .......... 2530
Conditions for Policy On
RECORDS
Control Schedules ............................................................ 1441
Disposition ........................................................................ 1441
Files, Uniform Index .......................................................... 1442
MANAGEMENT PROGRAM: Content/Implementation Definitions:
Non-Record Materials Official Files Private Records Records Objectives Responsibilities
VITAL: ................................................................. 1440
Definitions:
RECORDS AND REPORTS
Aerospace Safety Advisory Panel ..... 1156
Auditing ................................................................. 9910
Management Program, Records ......................................... 1440
Management Program, Reports ........................................ 1415
Public Access ............................................................. 1382
Release to GAO .................................................................. 1325
Policy/Ground Rules for Response to Requests for Special Cases on Statutory Authority for Space Science and Applications Steering Committee .................. 1152
Recruitment, Personnel ...................................................... 3330
... ALSO SEE "Personnel" ...
Reference Publications ..................................................... 2220
... ALSO SEE "Publications" ...
Regional Preparedness Committees ...................................... 1040
... ALSO SEE "Emergency" ...
REIMBURSEMENT OF COSTS
Launch Vehicles and Other Space Flight Services .................... 8610
Space Act Agreements, Delegation of Authority ....................... 1050
Space Transportation System Services (STS) ......................... 8610
Foreign Users Nonscientific Payloads Non-U. S. Government Users U. S. Government Users Tracking and Data Relay Satellite System (TDRSS) .................. 8410
RELIABILITY AND QUALITY ASSURANCE
Basic Policy ................................................................. 5300
Microbialy Controlled Environments .................................... 5340
Parts/Materials/Safety Problem Reporting .................................. 5310
Printed Wiring Boards & Assemblies ..................................... 5300
Responsibilities Soldered Electrical Connections Requirements Space Shuttle Program Stamping Requirements .................. 5330
Relocatable Buildings ...................................................... 8811
Remote Sensing, Sale of Data, Delegation of Authority for .......... 1050
RENTED VEHICLES
Claims for Collision/Upset Damage ..................................... 9720
Leased/Rented Vehicles .................................................... 6770
REPORTING
Automatic Data Processing Equipment Management .................. 2410
Illegal or Unethical Conduct ............................................. 9950
Labor-Management Program Actions .................................... 3711
REPORTS
Automatic Data Processing Equipment Management .................. 2410
CONTROL: ...................................................................... 1415
Definitions:
Reporting Systems Reports Reports Control Officer Management System:
Clearance Requirements of Definitions:
Certifying Officer Contractor/Public Reports External/Internal Reports NASA-Wide/Inter-Installation Reports Office of Primary Responsibility
(OPR)
REPORTS CONTINUED: ................................. 1415
Person
Plan
Report Form
Reports Control Manager (RCM)
Reports Control Officers (RCO)
/Representatives (RCR)
Reports Manager/Inventory
Reports/Reporting Systems
Used
General Information On
Guidelines for
Policy
Procedures
Public Reports for
Recommended Procedures for
Responsibility for
Illegal or Unethical Conduct ..... 9950
Information and Control System ..... 2340
Labor-Management Program Actions ... 3711
Management Handbook ................ 1415
NASA Facilities Identified During
the Past Reporting Period as Being
Not Needed or Underutilized ..... 7234
Personal Property Provided to Non-
Federal Organizations ............ 4310
Supply Activity, Preparation and
Submission .......................... 4100
Reprint Charges, Technical Information
Documents .......................... 9280
Reproduction Machines (Management of). . 4200
... ALSO SEE "Printing" ...
Request for Personnel Action Form ..... 3280
Request for Proposal (RFP) ............ 5115
REQUIREMENTS FOR:
Crimping and Wire Wrap ............. 5300
Packaging, Handling, and
Transportation ........................ 6000
Printed Wiring Boards ............... 5300
Soldered Electrical Connections ..... 5300
RESEARCH
Advanced Research and Technology ... 7100
Aeronautics and Space Programs ..... 5300
Cooperative Projects ................. 1362
Development, and .................... 7400
Development Planning and Approval
Definitions .......................... 7120
Major R&D Projects ................ 7121
Major System Acquisitions .......... 7100
Phased Project Planning and
Approval ............................ 7100
Responsibilities ........................ 7120
Space Flight Programs
Human Research ........................ 7100
Investigations, Responsibility ...... 7100
Program Management Appropriations ... 7400
Technology Advisory Council (and) .... 1156
Technology Objectives and Plans
(RTOP) ............................... 7100

RESIDENCE ABROAD REQUIREMENT, WAIVER OF: 1370
Policy
Procedures for
Requests for
Responsibility for
Resident Legal Office, JPL .......... 2000

RESOURCES
Allocation/Control of .................. 7000
Authority Allocation System ..... 7830
Budget Administration Manual ... 7400
Budget Formulation and Execution
Responsibility ...................... 1103
MANAGEMENT:
Allocation and Control ............... 7000
Information Processing .............. 2410
Internal Control System .......... 1200

RESTRICTED DATA
Certification for Access to .......... 1630
Definition of ........................ 1620

RETREATS, MANAGEMENT: ............. 1200
(NASA-Sponsored)
Background of
Definitions:
Management Conference
Retreat
Policy for
Private Facilities, Use of
Approval for
Reporting on

Returnable Containers ............... 4060
Revolvers ............................ 1620
Roads, Naming of (NASA Installations) 1022
Rocket Motors, Shipment of
Responsibility ...................... 1152
... ALSO SEE "Transportation" ...

ROLE AND RESPONSIBILITIES
... ALSO SEE "Field Installations" ...
Aeronautics and Space Technology ... 1102
Associate Deputy Administrator ... 1103
Budget Operations Division
Chief Engineer
Chief Scientist
Commercial Programs
Controller
DOD Affairs Division
Equal Opportunity Programs
External Relations
Financial Management Division
General Counsel
Headquarters Administration Division 1102
Industrial Relations ................ 1102
Inspector General .................. 1103
International Affairs Division
Legislative Affairs
Logistics and Security Division ... 1102
Management, Office of
Management Support Office ... 1103
Personnel Programs Division .......... 1102
Procurement ........................ 1103
Public Affairs
Small & Disadvantaged Business
Utilization Office
ROLE AND RESPONSIBILITIES CONTINUED:

Space Flight .......................... 1102
Space Science and Applications
Space Station
Space Tracking and Data Systems
Television Development Division .... 1103
RTAC (Research and Technology Advisory Council) .................. 1156
RTOP Management System (Research and Technology Objectives and Plans) ... 7100

SAFETY
Accident/Mission ...................... 8621
Aerospace Safety Advisory Panel .... 1156
MANUAL: 1156
Basic Safety ........................ 1700
Fire Protection
Mishap Investigation
Occupational Safety and Health 8720
System Safety ........................ 1700
Materials/Regulations .............. 8060
Occupational Safety and Health Programs 8720
PAYLOADS 8720
Non-Scientific 8610
Safety Policy and Requirements 1700
Policy 8710
Pressure Vessels/Pressurized Systems 1710
Problems, Reporting of 5310
Protective Clothing/Equipment for 1700
Reliability and Quality Assurance 5300
Responsibility for 8710
Safety and Health Programs 8720
Space Shuttle Program 5300
STANDARDS: 8720
Definition of Distribution/Availability
Emergency
Identification of NASA-Originated/Adopted Objectives of Procurements for Responsibilities
STS Payloads, Safety Policy and Requirements 1700

SCIENTIFIC AND TECHNICAL INFORMATION
Definition 2200
Distribution and Availability Categories 2200
Document Availability Authorization: Definitions Policy Responsibilities
GIDE 5310
Policy 2200
Presentation/Publication, Authority for/Definitions 2200
Responsibilities 2200

SEAL
NASA 1020
Printing or Use of 1490

SEB (Source Evaluation Board) 5115
Secret Information (Control of) 1630
... ALSO SEE "Classified"

SECURITY
AREAS: 1620
Access to
Definition of Establishment/Maintenance/Revocation of Implementation of Sign for
Violation of
Badges (Identification) 1620
Classification Material, Access Control 1630
Classification Matters 1640
Classification Program Committee 1152
Classification Program Handbook 1640
(Background/Objectives)
Control of Classified Information 1630
Data Processing 2410
DECLASSIFICATION/DOWNGRADING: 1640
After 30 years
Burden of Proof
Exemptions
Restricted Data
Review Request/Requirements Schedule
DEFINITIONS: 1640
Classification
Classified Information
Declassification
Document
Downgrading
Formerly Restricted Data
Information Material
Official Information
Original Classifier
Restricted Data
Security Classification Categories
Degree of Protection 1640
SECURITY CONTINUED:

EDUCATION: ......................... 1620
Minimum Standards/Procedures for
Support Material for
Termination Interview

GUIDELINES: ....................... 1640
Exceptional Cases
Follow-on Actions
Non-Documentation Classification
Official Assistance
Open Publication
Proprietary Information
State-of-the-Art/Intelligence
Unprocessed Data

INDUSTRIAL: ........................ 1650
Classified Contract:
Award of
Security Requirements for
Contractor Facility Clearance:
Determination of
Request for
Definitions:
Access
Classified Contract
Classified Information
Cognizant Security Officer
Contractor
Facility Security Clearance
"Need to Know"
Security Classification Officer
Responsibility for

INFORMATION PROCESSING: .......... 2410
Computer Security Program
Office Automation Systems
Privacy, Integrity, and Security of Data
Security Assurance

LEGAL BASIS: ....................... 9950
Executive Orders 11652 & 10865 ... 1640
Space Act of 1958 ................... 1640
NASA Policy ........................ 1640
News Releases ....................... 1380

PERSONNEL: ........................ 1610
Classified Information, Alien Access to Clearance, Suspension of Criteria for
Cryptographic Information, Access Definitions:
Access
Alien
Classified Information
Computation of Time
Cryptographic Information
Employee
Full Field Investigation
Immigrant Alien
National Agency Check
National Agency Check and Written Inquiries
Sensitive Position
Delegation of Authority
Handbook

SECURITY CONTINUED:

Investigations: ..................... 1610
Requirements
Updating
Policy
Reemployment
Reports Status
Security Hearing Board:
Membership of Procedures of
Suspensions:
Clearance
Employment

Physical Security ..................... 1620
PRINCIPLES/CONSIDERATIONS: ........ 1640
Classification Reasons
Combination/Interrelation/Compilation
Dissemination
Information Identification
Internal Effect
Restricted Data
Responsibilities
Security Classification Program Committee
Security Enhancement Program: .... 1620
Provisions
Responsibilities
Space Transportation System .......... 8610
STORAGE EQUIPMENT: ................
Custodial Responsibilities of Locking Devices for Restriction in Use of
Surveys .............................. 1690
VIOLATIONS: ......................... 1620
Action Required in Event of Possible Loss or Compromise of NATO Information
Emergency Action/Reporting Requirements for
Security Officer Actions for

Selection of Personnel ................ 3300
... ALSO SEE "Personnel"

Selling to NASA ...................... 5100
... ALSO SEE "Procurement"

SENIOR EXECUTIVE SERVICE (SES) ....... 3100
Definitions:
Career Reserved Position
General Position
Senior Executive
Senior Executive Service Position
Executive Position Managers
Management of
NASA Executive Resources Board
NASA Performance Review Board
NASA SES Executive Position Managers Responsibilities
Senior Executive Committee
SENSITIVE POSITION ............................................. 1610
Critical:
Definition of
Investigative Requirements for
Noncritical:
Definition of
Investigative Requirements for
Service Contracts .................................. 5100
... ALSO SEE "Procurement" ...
SERVICES
Commercial or Industrial .................. 7410
NASA:
Tracking and Data Relay Satellite System .......... 8410
User Charges .................................. 9000
SES Executive Position Managers .......... 3100
Shelf Life Program ...................... 4100
Shelters ( Fallout) .......................... 1043
SHIPMENTS
Household Goods .......................... 9760
Rocket Motors ................................ 9760
NASA Internal Committee for Permits to Transport Rocket Motors 1152
SHUTTLE
ACRANONSTS:
Official Flight Kits ...................... 1900
Personal Preference Kits .................. 1900
Recruitment and Selection ............... 3330
Landing Facility, KSC .................. 6000
PROGRAM:
Articles Carried on Flights/ Authorization .......... 1900
Communications, Voice .................. 8610
Flight Kits (Official) ...................... 1900
KSC Program Responsibilities ............. 1107
Maintainability/Quality Provisions Safety/Reliability .... 5300
NASA and NASA-Related Payloads .......... 8610
Personnel Reliability ..................... 8610
REIMBURSEMENT: .......................... 8610
Foreign Users
Non-Scientific Payloads
Non-U.S. Government Users
U.S. Government Users
Sick Leave .................................. 3630
SMALL AND DISADVANTAGED BUSINESS UTILIZATION, OFFICE OF
Policy .................................. 5000
Roles and Responsibilities .............. 1103
Smallpox Vaccination Certificate ........... 1820
SMB (Space Medicine Board) ............. 1152
SMPB (Space Medicine Policy Board) ...... 1152
SOFTWARE
Management: .................................. 2410
Flight Projects
U.S. Government Users
Resource Sharing
Soldering, Electrical Connections, Requirements .................................. 5300
SOURCE EVALUATION BOARDS (SEB):
Decision and Review Responsibility Handbook
Letter of Designation
Proceedings, Prevention of Improper Disclosure of:
Policy
Responsibility for
Report Guidelines
Secretary of
Statement of Employment/Financial Interests .................. 1900
Statements of Work ..................... 5600
SW (Statement of Work Handbook) .......... 5600
SP (Special Publications) .................. 2220
SPACE
Act of 1958 .................................. 1640
Act Agreements: .................................. 1050
Delegation of Authority for
Nonreimbursement of Costs
Reimbursement of Costs
Applications Advisory Committee .... 1156
Flight Experiments / Data Analysis .... 8030
Flight Services, Reimbursement for .......... 8610
Hardware, Microbiological Examination of ........ 5340
Investigations, Outside Proposals
For .................................. 8030
Medicine Board (SMB) and Medicine Policy Board (SMPB) ........... 1152
Systems, Termination of ............. 8640
SPACE FLIGHT:
Audit Reports .................................. 9920
Contamination Control: .................. 8020
Lunar and Planetary Outbound Spacecraft
Medical Support: ................................ 8900
Functional Relationships
Implementation Procedures
Objectives
Responsibilities
Flight Tests
Ground Test Planning
Occupational Medicine
Test Documentation
Requirements
OFFICE OF: .................................. 1102
Associate Administrator for:
Authority to Act for
Line of Succession
Position/Objective
Responsibilities:
General .................................. 1102
GIDEP Utilization ......................... 5310
NASA & NASA-Related Payloads .......... 8610
STS Security ................................ 8610
SPACE FLIGHT CONTINUED:

GSFC Responsibilities .......... 1107
JPL Responsibilities .......... 1102
Organization Chart .......... 1102
Participants .................. 3970
Program and Project Management: 7120
Definitions
Planning and Approval
Policies
Responsibilities
Safety .......................... 1156
Software, Management of .... 2410

SPACE SCIENCE (AND)
APPLICATIONS, OFFICE OF: .......... 1102
Associate Administrator for
Authority to Act for
Responsibilities
GSFC Responsibilities .......... 1107
Investigations/Announcement of
Opportunity Process .......... 7100
Organization Charts .......... 1102
Scientific/Technical Information,
Authority for ............. 2200
Applications Steering Committee
(SSASC) .................. 1152
FLIGHT INVESTIGATIONS: .......... 8030
Data Analysis
Data Dissemination

Space Shuttle .................. 8610
... ALSO SEE "Shuttle"

SPACE STATION
Office of: ........................ 1102
Associate Administrator
Authority to Act for
Position Objectives
Responsibilities
Organization Chart

Space Systems and Technology Advisory
Committee .................... 1156

SPACE TRACKING AND DATA SYSTEMS
Office of: ........................ 1102
Associate Administrator for
Authority to Act for
Position Objectives
Responsibilities
Communications Responsibilities .... 2520
Scientific/Technical Information,
Authority for ............ 2200
GSFC Responsibilities .......... 1107
Organization Chart/Relationships .... 1102
Support Operations:
Responsibilities .......... 8621
Space Systems, Termination ...... 8640
Unmanned Space Flight Projects .... 8430

SPACE TRANSPORTATION SYSTEM (STS)
Agreements: ...................... 8610
Documentation
Management
Articles Carried on Flights/
Authorization .................. 1900
Commander Authority .......... 8610
Duty-Free Space Articles ......... 8610
Materials Disposal ............. 4300
Medical Responsibilities .......... 8900
NASA and NASA-Related Payloads,
Utilization for ......... 8610
Payload Specialists .......... 8651
PAYLOADS:
Classification .......... 8010
Nonscientific .......... 8610
Small, Self-Contained .......... 8610
Personnel Reliability .......... 8610
Protection of
Spinning Solid Upper Stages,
Procurement of
Support Requirements

Speaking Engagements, Acceptance of .......... 1385
SPECIAL
Achievement Award (SAA) .......... 3451
Publication (SP) ................ 2220

Spinning Solid Upper Stages (SSUS) .......... 8610
SSP (Sustained Superior Performance
Award) .................. 3451
SSUS (Spinning Solid Upper Stages) .......... 8610
Stamping Requirements .......... 5330
STANDARD(s)
Conduct for NASA Special Government
Employees (of) ............ 1900
Conduct Handbook (of) .......... 1900
PARTS PROGRAM: .................. 5320
Implementation
Policy
Voluntary .................. 8070

Statement of Capability (SC) .......... 8610
Statement of Work (SOW) Handbook .......... 5600
Step Increases .................... 3531
Stores Stock Management .......... 4100
STS (Space Transportation System) .......... 8610
Suggestion Award ................. 3451
Supervisor's Guide on Alcoholism .......... 3792
Supervisory Training .............. 3410

SUPPLIES
Activity Report, Preparation and
Submission: ...................... 4100
Instructions
Procedures
SUPPLY AND EQUIPMENT MANAGEMENT
Director: .......................... 4340
Responsibilities:
Foreign Excess Personal Property, Disposal of Materials/Precious Metals,
Recovery of .......................... 4300
Equipment Management Manual .......................... 4200
Federal Catalog System .......................... 4410
Materials Inventory Management Handbook .......................... 4100
Property Custodian User's Guide .......................... 4200
Reporting Requirements .......................... 4210
Supply Cataloging .......................... 4410
Sources of Supply .......................... 4050
(FEDSTRIP/MILSTRIP)
Support Services .......................... 7410
Surplus Property .......................... 4300
Surveillance, Electronic .......................... 2530
Suspensions, Contractors .......................... 5101
Sustained Superior Performance Award (SSP) .......................... 3451
SYMBOLS, OFFICIAL NASA: .......................... 1020
Establishment/Technical Description
Astronaut Badges
Flags
Insignia
Program Badges
Seal
Policy for Use of Violations of
SYMPOSIAS
Classified Symposia .......................... 1620
International Affairs .......................... 1360
Technical Symposia .......................... 1350
System Safety Handbook .......................... 1700

TECHNOLOGY
Export Control .......................... 2190
Recoupment Policy .......................... 5127
Research Activity .......................... 7100
RTOP Management System .......................... 7100
Transfer .......................... 2180
Utilization: .......................... 2110
Material
Definition of Foreign Access to Responsibility for
TELECOMMUNICATIONS
Delegation of Authority for .......................... 2530
Federal Telecommunications System (FTS) .......................... 2520
TELEPHONES
Charges, Certification of .......................... 9090
Administrative Controls .......................... 2540
Long-Distance Calls .......................... 9090
Charges of .......................... 9090
Maintenance .......................... 9090
Personal .......................... 2540
Procedures for .......................... 9090
Recording/Interception of Calls: .......................... 2530
Conditions for Policy
... ALSO SEE "Communication"
TELEVISION
Development Division, External Relations Office, Director: .......................... 1103
Position Objectives
Responsibilities
Productions .......................... 1394
... ALSO SEE "Motion Picture"
TORT CLAIMS .......................... 2080
Annual Report Requirements
Definitions:
Chief Counsel
Claim
Claimant
General Counsel
Filing Requirements
Forms for .......................... 2082
Government Property, Damage/Loss .......................... 2080
Justice Department, Approval for NASA, Against
NASA Employee, Against:
Motor Vehicle, Damage From:
Personal Injury
Personal Property
Procedures
Notification for Denial of Settlement of:
Payment
Responsibility for Supporting Evidence for Time Limitations
U.S. Government, Against
<table>
<thead>
<tr>
<th>Track</th>
<th>Index NRS No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tracking and Data Acquisition</td>
<td>8400</td>
<td>Relay Satellite System (TDRSS)</td>
</tr>
<tr>
<td>Traffic Management Programs</td>
<td>6200</td>
<td>... ALSO SEE &quot;Transportation&quot; ...</td>
</tr>
<tr>
<td>Training</td>
<td>3410</td>
<td>Employee: Programs: Continuing Education (CEP) Outside the U.S. Supervisory Within the U.S.</td>
</tr>
<tr>
<td>Transcription of Conversations/Meeting Policy on</td>
<td>2530</td>
<td></td>
</tr>
<tr>
<td>Transoceanic Communications</td>
<td>2500</td>
<td>... ALSO SEE &quot;Communications&quot; ...</td>
</tr>
<tr>
<td>Transportation</td>
<td>6000</td>
<td>Aeronautical and Space Systems Packing and Handling Requirements. Management Programs Motor Vehicle, Policy on Shuttle Landing Facility, KSC Responsibility for Travel, Authorization</td>
</tr>
<tr>
<td>Ministry Department, U.S.</td>
<td>7400</td>
<td></td>
</tr>
<tr>
<td>Arrangements</td>
<td>7800</td>
<td>Typewriters</td>
</tr>
<tr>
<td>Ministry Department, U.S.</td>
<td>7400</td>
<td></td>
</tr>
</tbody>
</table>

---

**U.S. Government Manual**

**Unethical or Illegal Conduct, Investigation and Reporting of**

**Uniform Relocation Assistance Act, Real Property Acquisition**

**Uniform Files Index/Handbook (NASA)**

**Uniforms**

**Union** ... ALSO SEE "Personnel" ... **Universal Documentation System, DoD**

**UNIVERSITY AFFAIRS**

**Education:** Exhibits Program Personnel Training/Development Programs Foreign Travel, Approval Grants/Contracts, Termination of Projects, Funding of Definitions Procedures for Responsibilities for Relationships: Guidelines History Policy Responsibilities University, Definition of

**UNMANNED SPACE FLIGHT PROJECTS**

**Quarantine/Provisions**

**Space Systems, Termination**

**Tracking and Data Acquisition Support:** Documentation System/Procedures Policy Responsibilities

**Upward Mobility Program / Handbook**

**USA (U.S. Army)**

**USAF (U.S. Air Force)**

**USDA (U.S. Department of Agriculture)**

**User Charges** ... ALSO SEE "Financial" ...

**Utility Systems, Identification of, Handbook**
INDEX NRS
No. No.

WORK-RELATED INJURY COMPENSATION: .... 3810
Definitions
Policies
Responsibilities

Writing ............................... 1900

Yellow Fever Vaccination Certificate .. 1820
# NASA Scientific and Technical Information Files

## Primary Subject Identification Codes

### Aeronautics
- 01 Aeronautics (General)
- 02 Aerodynamics
- 03 Air Transportation and Safety
- 04 Aircraft Communications and Navigation
- 05 Aircraft Design, Testing, and Performance
- 06 Aircraft Instrumentation
- 07 Aircraft Propulsion and Power
- 08 Aircraft Stability and Control
- 09 Research and Support Facilities (Air)

### Astronautics
- 12 Astronautics (General)
- 13 Astrodynamics
- 14 Ground Support Systems and Facilities (Space)
- 15 Launch Vehicles and Space Vehicles
- 16 Space Transportation
- 17 Space Communications, Spacecraft Communications, Command and Tracking
- 18 Spacecraft Design, Testing and Performance
- 19 Spacecraft Instrumentation
- 20 Spacecraft Propulsion and Power

### Chemistry and Materials
- 23 Chemistry and Materials (General)
- 24 Composite Materials
- 25 Inorganic and Physical Chemistry
- 26 Metallic Materials
- 27 Nonmetallic Materials
- 28 Propellants and Fuels
- 29 Materials Processing

### Engineering
- 31 Engineering (General)
- 32 Communications and Radar
- 33 Electronics and Electrical Engineering
- 34 Fluid Mechanics and Heat Transfer
- 35 Instrumentation and Photography
- 36 Lasers and Masers
- 37 Mechanical Engineering
- 38 Quality Assurance and Reliability
- 39 Structural Mechanics

### Geosciences
- 42 Geosciences (General)
- 43 Earth Resources and Remote Sensing
- 44 Energy Production and Conversion
- 45 Environment Pollution
- 46 Geophysics
- 47 Meteorology and Climatology
- 48 Oceanography

### Life Sciences
- 51 Life Sciences (General)
- 52 Aerospace Medicine
- 53 Behavioral Sciences
- 54 Man/System Technology and Life Support
- 55 Space Biology

### Mathematical and Computer Sciences
- 59 Mathematical and Computer Sciences (General)
- 60 Computer Operations and Hardware
- 61 Computer Programming and Software
- 62 Computer Systems
- 63 Cybernetics
- 64 Numerical Analysis
- 65 Statistics and Probability
- 66 Systems Analysis
- 67 Theoretical Mathematics

### Physics
- 70 Physics (General)
- 71 Acoustics
- 72 Atomic and Molecular Physics
- 73 Nuclear and High-Energy Physics
- 74 Optics
- 75 Plasma Physics
- 76 Solid-State Physics
- 77 Thermodynamics and Statistical Physics

### Social Sciences
- 80 Social Sciences (General)
- 81 Administration and Management
- 82 Documentation and Information Science
- 83 Economics and Cost Analysis
- 84 Law, Political Science and Space Policy
- 85 Urban Technology and Transportation

### Space Sciences
- 88 Space Sciences (General)
- 89 Astronomy
- 90 Astrophysics
- 91 Lunar and Planetary Exploration
- 92 Solar Physics
- 93 Space Radiation

### General
- 99 Annual Reports, Biographies, and Histories
TABLE OF CONTENTS

NASA SCIENTIFIC AND TECHNICAL INFORMATION FILES

AERONAUTICS
Includes aeronautics (general); aerodynamics; air transportation and safety; aircraft communications and navigation; aircraft design, testing and performance; aircraft instrumentation; aircraft propulsion and power; aircraft stability and control; and research and support facilities (Air). For related information see also Aeronautics.

01 AERONAUTICS (GENERAL)

02 AERODYNAMICS
Includes aerodynamics of bodies, combinations, wings, rotors, and control surfaces; and internal flow in ducts and turbomachinery. For related information see also Fluid Mechanics and Heat Transfer.

03 AIR TRANSPORTATION AND SAFETY
Includes passenger and cargo air transport operations; and aircraft accidents. For related information see also Urban Technology and Transportation.

04 AIRCRAFT COMMUNICATIONS AND NAVIGATION
Includes digital and voice communication with aircraft; air navigation systems (satellite and ground based); and air traffic control. For related information see also Space Communications, Command and Tracking and Communications and Radar.

05 AIRCRAFT DESIGN, TESTING AND PERFORMANCE
Includes aircraft simulation technology. For related information see also Spacecraft Design, Testing and Performance and Structural Mechanics.

06 AIRCRAFT INSTRUMENTATION
Includes cockpit and cabin display devices; and flight instruments. For related information see also Instrumentation and Photography.

07 AIRCRAFT PROPULSION AND POWER
Includes prime propulsion systems and systems components, e.g., gas turbine engines and compressors; and onboard auxiliary power plants for aircraft. For related information see also Spacecraft Propulsion and Power, Propellants and Fuels, and Energy Production and Conversion.

08 AIRCRAFT STABILITY AND CONTROL
Includes aircraft handling qualities; piloting; flight controls; and autopilots. For related information see also Aircraft Design, Testing and Performance.

09 RESEARCH AND SUPPORT FACILITIES (AIR)
Includes airports, hangars and runways; aircraft repair and overhaul facilities; wind tunnels; shock tubes; and aircraft engine test stands. For related information see also Ground Support Systems and Facilities (Space).

AERONAUTICS
Includes aeronautics (general); astrodynamics; ground support systems and facilities (space); launch vehicles and space vehicles; space communications; spacecraft communications, command and tracking; spacecraft design, testing and performance; spacecraft instrumentation; and spacecraft propulsion and power. For related information see also Aeronautics.

12 AERONAUTICS (GENERAL)
For extraterrestrial exploration see 31 Lunar and Planetary Exploration.

13 ASTRODYNAMICS
Includes powered and free-flight trajectories; and orbital and launching dynamics.

14 GROUND SUPPORT SYSTEMS AND FACILITIES (SPACE)
Includes launch complexes, research and production facilities; ground support equipment, e.g., mobile transporters; and simulators. For related information see also Research and Support Facilities (Air).

15 LAUNCH VEHICLES AND SPACE VEHICLES
Includes boosters; operating problems of launch/space vehicle systems; and reusable vehicles. For related information see also Spacecraft Propulsion and Power.

16 SPACE TRANSPORTATION
Includes passenger and cargo space transportation, e.g., shuttle operations; and space rescue techniques. For related information see also Air Transportation and Safety and Spacecraft Design, Testing and Performance. For space suits see Man/System Technology and Life Support.

17 SPACE COMMUNICATIONS, SPACECRAFT COMMUNICATIONS, COMMAND AND TRACKING
Includes telemetry; space communications networks; astronaut/navigator and guidance; and radio blackout. For related information see also Aircraft Communications and Navigation and Communications and Radar.

18 SPACECRAFT DESIGN, TESTING AND PERFORMANCE
Includes satellites; space platforms; space stations; spacecraft systems and components such as thermal and environmental controls; and attitude controls. For life support systems see Man/System Technology and Life Support. For related information see also Aircraft Design, Testing and Performance, Structural Mechanics, and Space Transportation.

19 SPACECRAFT INSTRUMENTATION
For related information see also Aircraft Instrumentation and Photography.

20 SPACECRAFT PROPULSION AND POWER
Includes main propulsion systems and components, e.g., rocket engines; and spacecraft auxiliary power sources. For related information see also Aircraft Propulsion and Power, Propellants and Fuels, Energy Production and Conversion, and Launch Vehicles and Space Vehicles.
CHEMISTRY AND MATERIALS
Includes chemistry and materials (general); composite materials; inorganic and physical chemistry; metallic materials; nonmetallic materials; propellants and fuels; and materials processing.

23 CHEMISTRY AND MATERIALS (GENERAL)

24 COMPOSITE MATERIALS
Includes physical, chemical, and mechanical properties of laminates and other composite materials.
For ceramic materials see 27 Nonmetallic Materials.

25 INORGANIC AND PHYSICAL CHEMISTRY
Includes chemical analysis, e.g., chromatography; combustion theory; electrochemistry; and photochemistry.
For related information see also 77 Thermodynamics and Statistical Physics.

26 METALLIC MATERIALS
Includes physical, chemical, and mechanical properties of metals, e.g., corrosion; and metallurgy.

27 NONMETALLIC MATERIALS
Includes physical, chemical, and mechanical properties of plastics, elastomers, lubricants, polymers, textiles, adhesives, and ceramic materials.
For composite materials see 24 Composite Materials.

28 PROPPELLANTS AND FUELS
Includes rocket propellants, igniters and oxidizers; their storage and handling procedures; and aircraft fuels.
For related information see also 07 Aircraft Propulsion and Power; 20 Spacecraft Propulsion and Power; and 44 Energy Production and Conversion.

29 MATERIALS PROCESSING
Includes space-based development of products and processes for commercial application.
For biological materials see 55 Space Biology.

ENGINEERING
Includes engineering (general); communications and radar; electronics and electrical engineering; fluid mechanics and heat transfer; instrumentation and photography; lasers and masers; mechanical engineering; quality assurance and reliability; and structural mechanics.
For related information see also Physics.

31 ENGINEERING (GENERAL)
Includes vacuum technology; control engineering; display engineering; cryogenics; and fire prevention.

32 COMMUNICATIONS AND RADAR
Includes radar; land and global communications; communications theory; and optical communications.
For related information see also 04 Aircraft Communications and Navigation and 17 Space Communications, Spacecraft Communications, Command and Tracking. For search and rescue see 03 Air Transportation and Safety; and 16 Space Transportation.

33 ELECTRONICS AND ELECTRICAL ENGINEERING
Includes test equipment and maintainability; components, e.g., tunnel diodes and transistors; microminiaturization; and integrated circuitry.
For related information see also 60 Computer Operations and Hardware and 76 Solid-State Physics.

34 FLUID MECHANICS AND HEAT TRANSFER
Includes boundary layers; hydrodynamics; fluidics; mass transfer and ablation cooling.
For related information see also 02Aerodynamics and 77 Thermodynamics and Statistical Physics.

35 INSTRUMENTATION AND PHOTOGRAPHY
Includes remote sensors; measuring instruments and gages; detectors; cameras and photographic supplies; and holography.
For aerial photography see 43 Earth Resources and Remote Sensing. For related information see also 06 Aircraft Instrumentation and 19 Spacecraft Instrumentation.

36 LASERS AND MASERS
Includes parametric amplifiers.
For related information see also 76 Solid-State Physics.

37 MECHANICAL ENGINEERING
Includes auxiliary systems (nonpower); machine elements and processes; and mechanical equipment.

38 QUALITY ASSURANCE AND RELIABILITY
Includes product sampling procedures and techniques; and quality control.

39 STRUCTURAL MECHANICS
Includes structural element design and weight analysis; fatigue; and thermal stress.
GEOSCIENCES
Includes geosciences (general); earth resources and remote sensing; energy production and conversion; environment pollution; geophysics; meteorology and climatology; and oceanography.
For related information see also Space Sciences.

42 GEOSCIENCES (GENERAL)
43 EARTH RESOURCES AND REMOTE SENSING
Includes remote sensing of earth resources by aircraft and spacecraft; photogrammetry; and aerial photography.
For instrumentation see 35 Instrumentation and Photography.

44 ENERGY PRODUCTION AND CONVERSION
Includes specific energy conversion systems, e.g., fuel cells; global sources of energy; geophysical conversion; and windpower.
For related information see also 07 Aircraft Propulsion and Power, 20 Spacecraft Propulsion and Power, and 28 Propellants and Fuels.

45 ENVIRONMENT POLLUTION
Includes atmospheric, noise, thermal, and water pollution.

46 GEOPHYSICS
Includes aeronomy; upper and lower atmosphere studies; ionospheric and magnetospheric physics; and geomagnetism.
For space radiation see 93 Space Radiation.

47 METEOROLOGY AND CLIMATOLOGY
Includes weather forecasting and modification.

48 OCEANOGRAPHY
Includes biological, dynamic, and physical oceanography; and marine resources.
For related information see also 43 Earth Resources and Remote Sensing.

LIFE SCIENCES
Includes life sciences (general); aerospace medicine; behavioral sciences; man/system technology and life support; and space biology.

51 LIFE SCIENCES (GENERAL)
52 AEROSPACE MEDICINE
Includes physiological factors; biological effects of radiation; and effects of weightlessness on man and animals.

53 BEHAVIORAL SCIENCES
Includes psychological factors; individual and group behavior; crew training and evaluation; and psychiatric research.

54 MAN/SYSTEM TECHNOLOGY AND LIFE SUPPORT
Includes human engineering; biotechnology; and space suits and protective clothing.
For related information see also 16 Space Transportation.

55 SPACE BIOLOGY
Includes exobiology; planetary biology; and extraterrestrial life.

MATHEMATICAL AND COMPUTER SCIENCES
Includes mathematical and computer sciences (general); computer operations and hardware; computer programming and software; computer systems; cybernetics; numerical analysis; statistics and probability; systems analysis; and theoretical mathematics.

59 MATHEMATICAL AND COMPUTER SCIENCES (GENERAL)
60 COMPUTER OPERATIONS AND HARDWARE
Includes hardware for computer graphics, firmware, and data processing.
For components see 33 Electronics and Electrical Engineering.

61 COMPUTER PROGRAMMING AND SOFTWARE
Includes computer programs, routines, algorithms, and specific applications, e.g., CAD/CAM.

62 COMPUTER SYSTEMS
Includes computer networks and special application computer systems.

63 CYBERNETICS
Includes feedback and control theory, artificial intelligence, robotics and expert systems.
For related information see also 54 Man/System Technology and Life Support.

64 NUMERICAL ANALYSIS
Includes iteration, difference equations, and numerical approximation.

65 STATISTICS AND PROBABILITY
Includes data sampling and smoothing; Monte Carlo method; and stochastic processes.

66 SYSTEMS ANALYSIS
Includes mathematical modeling; network analysis; and operations research.

87 THEORETICAL MATHEMATICS
Includes topology and number theory.
PHYSICS
Includes physics (general); acoustics; atomic and molecular physics; nuclear and high-energy physics; optics; plasma physics; solid-state physics; and thermodynamics and statistical physics.
For related information see also Engineering.

70 PHYSICS (GENERAL)
For precision time and time interval (PTTI) see 35 Instrumentation and Photography; for geophysics, astrophysics or solar physics see 46 Geophysics, 50 Astrophysics, or 92 Solar Physics.

71 ACOUSTICS
Includes sound generation, transmission, and attenuation.
For noise pollution see 45 Environment Pollution.

72 ATOMIC AND MOLECULAR PHYSICS
Includes atomic structure, electron properties, and molecular spectra.

73 NUCLEAR AND HIGH-ENERGY PHYSICS
Includes elementary and nuclear particles; and reactor theory.
For space radiation see 93 Space Radiation.

74 OPTICS
Includes light phenomena and optical devices.
For lasers see 36 Lasers and Masers.

75 PLASMA PHYSICS
Includes magnetohydrodynamics and plasma fusion.
For ionospheric plasmas see 46 Geophysics. For space plasmas see 90 Astrophysics.

76 SOLID-STATE PHYSICS
Includes superconductivity.
For related information see also 33 Electronics and Electrical Engineering and 36 Lasers and Masers.

77 THERMODYNAMICS AND STATISTICAL PHYSICS
Includes quantum mechanics; theoretical physics; and Bose and Fermi statistics.
For related information see also 25 Inorganic and Physical Chemistry and 34 Fluid Mechanics and Heat Transfer.

SOCIAL SCIENCES
Includes social sciences (general); administration and management; documentation and information science; economics and cost analysis; law, political science, and space policy; and urban technology and transportation.

80 SOCIAL SCIENCES (GENERAL)
Includes educational matters.

81 ADMINISTRATION AND MANAGEMENT
Includes management planning and research.

82 DOCUMENTATION AND INFORMATION SCIENCE
Includes information management; information storage and retrieval technology; technical writing; graphic arts; and micrography.
For computer documentation see 81 Computer Programming and Software.

83 ECONOMICS AND COST ANALYSIS
Includes cost effectiveness studies.

84 LAW, POLITICAL SCIENCE AND SPACE POLICY
Includes NASA appropriation hearings; aviation law; space law and policy; international law; international cooperation; and patent policy.

85 URBAN TECHNOLOGY AND TRANSPORTATION
Includes applications of space technology to urban problems; technology transfer; technology assessment; and surface and mass transportation.
For related information see 03 Air Transportation and Safety, 16 Space Transportation, and 44 Energy Production and Conversion.
SPACE SCIENCES
Includes space sciences (general); astronomy; astrophysics; lunar and planetary exploration; solar physics; and space radiation.
For related information see also Geosciences.

88 SPACE SCIENCES (GENERAL)

89 ASTRONOMY
Includes radio, gamma-ray, and infrared astronomy; and astrometry.

90 ASTROPHYSICS
Includes cosmology; celestial mechanics; space plasmas; and interstellar and interplanetary gases and dust.
For related information see also 75 Plasma Physics.

91 LUNAR AND PLANETARY EXPLORATION
Includes planetology; and manned and unmanned flights.
For spacecraft design or space stations see 18 Spacecraft Design, Testing and Performance.

92 SOLAR PHYSICS
Includes solar activity, solar flares, solar radiation and sunspots.
For related information see 93 Space Radiation.

93 SPACE RADIATION
Includes cosmic radiation; and inner and outer earth's radiation belts.
For biological effects of radiation see 52 Aerospace Medicine. For theory see 73 Nuclear and High-Energy Physics.

GENERAL
Includes aeronautical, astronautical, and space science related histories, biographies, and pertinent reports too broad for categorization; histories or broad overviews of NASA programs.

99 GENERAL
NASA SCIENTIFIC AND TECHNICAL INFORMATION FILES
SECONDARY SUBJECT IDENTIFICATION CODES

AERONAUTICS

01 AERONAUTICS (GENERAL)

RELATED TOPIC:
World Space Programs and Aerospace Law
NASA programs in general, foreign aerospace programs, international cooperation, law
related to space and aeronautics. Congressional aerospace hearings.

02 AERODYNAMICS

AERODYNAMIC CHARACTERISTICS
Lift, drag, and factors affecting pitch, roll and yaw.
AERODYNAMICS OF BODIES
Aerodynamics of bodies of revolution, cylinders, cones and lifting bodies.
AIRFOIL AND WING AERODYNAMICS
Aerodynamics of wings and airfoil shapes and forms; supercritical wing.

RELATED TOPICS:
Wind Tunnels
Wind tunnel and shock tube installations, test programs, and technology.
Boundary Layer Technology
Boundary layer flow and mechanics, including boundary layer control, combustion control,
separation, transition, and turbulence.

03 AIR TRANSPORTATION AND SAFETY

COMMERCIAL AND GENERAL AVIATION
Design, operation and maintenance of specific aircraft used in, or being developed for,
civil aviation; airports and facilities; air traffic control and navigation.
HELICOPTERS AND GROUND EFFECT MACHINES
Helicopters, rotary wing aircraft, ground effect machines, hovercraft, flying platforms,
etc.
STOL/VTOL AIRCRAFT
Aircraft capable of short or vertical takeoffs and landings.
SUPersonic TRANSPORT
Research in supersonic, transonic, and hypersonic transport types, concepts, specifications,
and performances.
AIRCRAFT NOISE AND SONIC BOOM
Aerodynamics, mechanical and combustion noise generated by aircraft and methods of
noise reduction.
AIRCRAFT SAFETY AND SAFETY DEVICES
Aircraft safety studies, accident investigation, air piracy, safety techniques and safety
devices.
CLEAR AIR TURBULENCE
Causes, effects, and methods of detection.

04 AIRCRAFT COMMUNICATIONS AND NAVIGATION

RELATED TOPIC:
Navigation Systems
Spacecraft and aircraft navigation systems including star trackers, inertial systems, Doppler
and stellar navigation; and navigation instruments.
See also topics under Subject Group 32, Communications.
06 AIRCRAFT DESIGN, TESTING AND PERFORMANCE

HYDRAULIC AND PNEUMATIC SYSTEMS
Hydraulic and pneumatic components, systems, and instrumentation.

AUXILIARY ELECTRICAL SYSTEMS
Electric auxiliary power supply systems, distribution systems, components, and applications.

06 AIRCRAFT INSTRUMENTATION

RELATED TOPIC
Spacecraft and Aircraft Instrumentation
Spacecraft and aircraft instruments, gauges, indicators, and instrument systems.

07 AIRCRAFT PROPULSION AND POWER

JET PROPULSION
Turbojet, pulsejet, and ramjet propulsion systems including specific engines

08 AIRCRAFT STABILITY AND CONTROL

RELATED TOPICS
Aerodynamic Characteristics
Lift, drag, and factors affecting pitch, roll and yaw
Boundary Layer Technology
Boundary layer flow and mechanics, including boundary layer control, combustion control, separation, transition, and turbulence

09 RESEARCH AND SUPPORT FACILITIES (AIR)

WIND TUNNELS
Wind tunnel and shock tube installations, test programs, and technology. See also Subject Group 02, Aerodynamics

RELATED TOPIC
Commercial and General Aviation
Design, operation and maintenance of specific aircraft used in, or being developed for, civil aviation; airports and facilities; air traffic control and navigation

ASTRONAUTICS

12 ASTRONAUTICS (GENERAL)

RELATED TOPIC
World Space Programs and Aerospace Law
NASA programs in general, foreign aerospace programs, international cooperation, law related to space and aeronautics, Congressional aerospace hearings

13 ASTRODYNAMICS

CELESTIAL MECHANICS AND ORBITAL CALCULATIONS
Mathematical calculations for celestial mechanics, spacecraft orbits and spacecraft and ballistic trajectories

14 GROUND SUPPORT SYSTEMS AND FACILITIES (SPACE)

SPACECRAFT GROUND SUPPORT
Launch facilities, control networks, vehicle maintenance and servicing. For spacecraft tracking stations and networks, see topics 17-04 and 32-03

TEST FACILITIES
Test ranges, centrifuges, engine test stands, rocket test installations, and reactor test facilities
SIMULATORS AND SIMULATION
Solar, space, and environment simulators, vacuum chambers, and simulation programs, methods, and technology.

STERILIZATION
Spacecraft sterilization, sterilization methods, clean rooms, and contamination control.

RELATED TOPICS:
Wind Tunnels
Wind tunnel and shock tube installations, test programs, and technology. See also Subject Group 02, Aerodynamics.

Tracking
Tracking installations, personnel, equipment, and systems using radio, radar, infrared, or optical techniques.

Communication Equipment
Communication equipment, including radio, microwave, infrared, light and television equipment.

15 LAUNCH VEHICLES AND SPACE VEHICLES

LAUNCH VEHICLES
Atlas, Saturn, Titan, other large and medium launch vehicles.

SOUNDING ROCKETS
Upper atmosphere aerology and meteorology probes and other small launch vehicles.

SPACE PROBES
Lunar and planetary probes, including Pioneer, Ranger, Mariner, Voyager, and deep space probes.

SCIENTIFIC SATELLITES
Geophysical and astronomical satellites, orbiting observatories, Discoverer and Explorer satellites.

REENTRY VEHICLES
All vehicles and maneuverable vehicles capable of entering a planetary atmosphere, also decelerators, drogues and other devices used with reentry vehicles, lifting bodies. See also 16-01, Space Transportation and Manned Spacecraft.

U.S.S.R. SPACECRAFT
All U.S.S.R. spacecraft and programs, manned and unmanned.

RELATED TOPICS:
Spacecraft Ground Support
Launch facilities, control networks, vehicle maintenance and servicing. For spacecraft tracking stations and networks, see 17-04 and 32-03.

Spacecraft and Aircraft Instrumentation
Spacecraft and aircraft instruments, gauges, indicators, and instrument systems.

Communication Satellites
INTELSAT, WESTAR, MARISAT, and other domestic and foreign communication satellites.

Meteorological Satellites
Nimbus, Tiros, and meteorological data from satellites.

16 SPACE TRANSPORTATION

SPACE TRANSPORTATION AND MANNED SPACECRAFT
All manned space vehicles, including the Shuttle, Apollo, Skylab, Spacelab, Apollo-Soyuz Test Program, and other orbiting laboratories and manned flights. For U.S.S.R. spacecraft, see 15-06.

17 SPACECRAFT COMMUNICATIONS, COMMAND AND TRACKING

SPACE COMMUNICATIONS
Reentry, lunar, interplanetary, satellite, and spacecraft communications. Does not include references to Communication Satellites, for which see 32-01.
NAVIGATION SYSTEMS
Spacecraft and aircraft navigation systems including star trackers, inertial systems, Doppler
and stellar navigation; and navigation instruments.

GUIDANCE SYSTEMS
Spacecraft guidance and control, midcourse guidance and reentry guidance, and spacecraft
guidance systems.

TRACKING
Tracking installations, personnel, equipment, and systems using radio, radar, infrared, or
optical techniques.

RELATED TOPICS:
Radar Equipment
Radar types, applications and component parts.

Antennas
Radar and radio antennas and applications.

See also topics under Subject Group 32, Communications.

18 SPACECRAFT DESIGN, TESTING AND PERFORMANCE
SPACECRAFT ATTITUDE CONTROL AND STABILIZATION
Attitude control system, stability techniques, and instrumentation.

RENDZVOUS AND DOCKING
Rendezvous guidance, rendezvous trajectories and docking techniques.

19 SPACECRAFT INSTRUMENTATION
SPACECRAFT AND AIRCRAFT INSTRUMENTATION
Spacecraft and aircraft instruments, gauges, indicators, and instrument systems.

SENSORS AND TRANSDUCERS
Sensing elements used in space vehicles or aerospace services: pressure, temperature,
acoustic transducers, etc.

RELATED TOPICS:
Navigation Systems
Spacecraft and aircraft navigation systems including star trackers, inertial systems, Doppler
and stellar navigation, and navigation instruments.

Telemetry
Data transmission and measuring, biotelemetry, telephotometry, and telepsychometry.

Bioinstrumentation
Biotlemetry, medical electronics, physiological monitoring, biological measurement, and
biological data handling.

See also other topics under Subject Group 32, Communications.

20 SPACECRAFT PROPULSION AND POWER
ROCKET ENGINES, NOZZLES AND THRUST CHAMBERS
Specific engines used in rocket propulsion, nozzle and thrust chamber design, materials,
and performance.

AUXILIARY PROPULSION
Spacecraft propulsion systems other than the main propulsion system (i.e., steering jets,
retrorockets, and propulsion units for extravehicular operations).

ELECTRIC PROPULSION
Propulsion systems by charged electrical particles accelerated by electrical or magnetic
fields: includes electromagnetic and electrostatic propulsion.

RELATED TOPIC:
Jet Propulsion
Turbojet, pulsejet, and ramjet propulsion systems including specific engines.

See also topics under Subject Group 44, Energy Production and Conversion.
CHEMISTRY AND MATERIALS

23 CHEMISTRY AND MATERIALS (GENERAL)
CHEMICAL ANALYSIS
Qualitative, quantitative, X-ray, chromatography, and other analytical techniques. 23-01
CHEMICAL PROCESSES AND ENGINEERING
Chemical processes and specific chemical reactions such as oxidation, nitration, hydrogenation, etc. 23-02
LUMINESCENCE
Chemiluminescence, fluorescence, phosphorescence, bioluminescence, and related topics. 23-03
PHOTOCHEMISTRY
Photolysis, photosynthesis, and actinometry. 23-04
RELATED TOPIC:
Biochemistry 51-02
Chemistry of living organisms and physiochemistry.

24 COMPOSITE MATERIALS
COMPOSITE MATERIALS
Types of composite materials, including laminates, sandwich materials and cermets; properties and uses. 24-01
REINFORCED MATERIALS AND FIBERS
Materials reinforced by inclusions, fiber reinforcement, whiskers, filament wound vessels. 24-02

25 INORGANIC AND PHYSICAL CHEMISTRY
CORROSION
Metal corrosion, stress corrosion, corrosion prevention, and tests for corrosion. 25-01
METAL CRYSTALS
Structure, defects, and technology of metal crystals. 25-02
COATINGS
Types of coatings, properties and uses; coating techniques. 25-03
ELECTROCHEMISTRY
Electrochemical processes, electrolysis, and electrolytic processes. 25-04

26 METALLIC MATERIALS
ALUMINUM
Aluminum, aluminum alloys, compounds and powdered aluminum; properties and uses. 26-01
BERYLLIUM
Beryllium, beryllium alloys and compounds; properties and uses. 26-02
LIQUID METALS
Characteristics, properties, technology, and uses of liquid metals. 26-03
STEEL
Types of steel and stainless steel alloys; properties and uses. 26-04
TITANIUM
Titanium and titanium alloys, properties and uses. 26-05
REFRACTORY METALS
Refractory metals and alloys, and superalloys; properties and uses. 26-06
METALLURGY
Powder metallurgy, sintering, fractography and metallography. 26-07

27 NONMETALLIC MATERIALS
PLASTICS
Specific plastics, thermoplastics, resins, thermosetting plastics, high temperature plastics, silicones and styrenes; properties and uses. 27-01
ADHESIVES
Types of adhesives, properties and uses.

CERAMICS
Specific ceramics, properties, and uses.

ELASTOMERS
Specific elastomers, properties and uses.

GRAPHITE
Graphite, pyrolytic graphite, pyrographic alloy; properties and uses.

POLYMERS
Types of polymers, properties and uses; polymer chemistry and polymer physics.

28 PROPELLANTS AND FUELS

LIQUID PROPELLANTS
Cryogenic, hydrogenic, and thixotropic propellants; uses, properties, manufacture, storage and handling; oxidizers and igniters used with liquid propellants.

SOLID PROPELLANTS
Types, uses, properties; manufacture, storage and handling, propellant grain studies, and oxidizers and igniters used with solid propellants.

ENGINEERING

31 ENGINEERING (GENERAL)
RELATED TOPICS:
See specific topics under Subject Groups 32-39.

32 COMMUNICATIONS

COMMUNICATION SATELLITES
INTELSAT, WESTAR, MARISAT, and other domestic and foreign communications satellites.

COMMUNICATION EQUIPMENT
Communication equipment, including radio, microwave, infrared, light and television equipment.

COMMUNICATION SYSTEMS
Types of communication systems; e.g., television, digital, etc., and specific systems; e.g., Defense Communication Systems, Deep Space Network, etc.

TELEMETRY
Data transmission and measuring biotelemetry, telephotometry, and telepsychometry.

RADIO NOISE
Studies of radio noise sources, random noise, signal-to-noise ratio, noise reduction, and noise measurement.

COMMUNICATION THEORY
Information theory, coding automata theory, signal processing, and decision theory.
RELATED TOPICS:
Radar Equipment
Radar types, applications and component parts.

Antennas
Radar and radio antennas and applications.
See also topics under Subject Group 17, Spacecraft Communications, Command and Tracking.

33 ELECTRONICS AND ELECTRICAL ENGINEERING
RADAR EQUIPMENT
Radar types, applications, and component parts.
SEMICONDUCTORS AND TRANSISTORS
Semiconductors and transistors; types, devices, materials, and applications. See also Solid State Devices. 76-01.

ANTENNAS
Radar and radio antennas and applications.

ELECTRONIC COMPONENTS
Types, design, applications, packaging, and reliability.

CIRCUITRY
Circuit theory, production techniques, reliability, protection, and applications. For microcircuits see 33-10, Microelectronics.

ELECTRICAL EQUIPMENT
Generators, motors, connectors, and insulation; design and application.

AMPLIFIERS
Types of electronic amplifiers, design, and application. For fluid amplifiers see also 34-03, Fluidics.

FEEDBACK AND CONTROL THEORY
Systems, techniques, and designs.

ELECTROMAGNETIC RADIATION
Wave propagation, electromagnetic effects, properties, detection, and application.

MICROELECTRONICS
Microcircuits, microelectronic devices and components, microminiaturized electronic equipment.

MICROWAVE AND SUBMILLIMETER WAVE TECHNOLOGY
Microwave research, measurement techniques, generation, modulation, and absorption.

MAGNETISM
Theory and research, aeromagnetism, ferromagnetism, hydromagnetism, paramagnetism, and thermomagnetism.

RELATED TOPICS:
Auxiliary Electrical Systems
Electric auxiliary power supply systems, distribution systems, components, and applications.
Communication Equipment
Communication equipment, including radio, microwave, infrared, light, and television equipment.

34 FLUID MECHANICS AND HEAT TRANSFER

BOUNDARY LAYER TECHNOLOGY
Boundary layer flow and mechanics, including boundary layer control, combustion control, separation, transition, and turbulence.

GAS DYNAMICS
Applied and theoretical gas dynamics, problem solving, hypersonic and rarefied gas dynamics.

FLUIDICS
Fluid amplification, fluid logic circuits, and fluid devices.

FLUID FLOW
Liquid flow, hydromechanics, and cavitation flow; does not include gas or air flow.

COMBUSTION PHYSICS
Combustion phenomena, kinetics, instability, detonation, theory.

HEAT TRANSFER, BASIC
Characteristics and studies of various forms of heat transfer, heat dissipation, and heat resistance.

REENTRY HEAT TRANSFER
Heat transfer problems on reentry and their solution.
THERMAL PROTECTION
Methods and materials used in thermal insulation and protection and for various types of cooling.

ABLATION
Ablation studies, ablating materials, and application to reentry vehicles and rocket nozzles.

CRYOGENICS
Low temperature research. For cryogenic propellants see 28-01.

RELATED TOPICS:
Aerodynamic Characteristics
Lift, drag, and factors affecting pitch, roll and yaw.
Gas Flow Measurement
Devices, applications and systems for measuring gas flow.

35 INSTRUMENTATION AND PHOTOGRAPHY

PHOTOGRAPHY
Cameras and photographic equipment and methods including optical, aerial, and radar photography.

INFRARED TECHNOLOGY
Infrared devices, including scanners, detectors, filters, cameras, and masers.

INSTRUMENT STANDARDS AND CALIBRATION TECHNIQUES
Measurement and radiation standards and calibration of instruments.

TEMPERATURE MEASUREMENT
Heat and temperature measuring devices, applications, and systems.

PRESSURE MEASUREMENT
Pressure measuring devices, applications, and systems.

DISPLAY SYSTEMS
Cathode ray tubes and display techniques and principles.

DATA RECORDING
Data recorders and recording systems and techniques.

GAS FLOW MEASUREMENT
Devices, applications and systems for measuring gas flow.

RELATED TOPICS:
Navigation Systems
Spacecraft and aircraft navigation systems including star trackers, inertial systems, Doppler and stellar navigation, and navigation instruments.

Telemetry
Data transmission and measuring, biotelemetry, telephotometry, and telepsychometry.

Meteorological Instruments
Types and uses of meteorological instruments.

Bioinstrumentation
Biotelemetry, medical electronics, physiological monitoring, biological measurement, and biological data handling.

See also topics under Subject Group 19, Spacecraft Instrumentation.

36 LASERS AND MASERS

LASERS AND MASERS
References to lasers and masers in general, laser theory, and types of lasers and masers.

LASER APPLICATIONS
Laser communications, laser photography, and laser ranging.

37 MECHANICAL ENGINEERING

BEARINGS AND GEARS
Types of bearings and gears, uses, materials, and applications.
LUBRICATION AND LUBRICANTS
Lubrication materials, systems, and applications. 37-02

MACHINING
Machining processes and techniques and machine tools. 37-03

FRICTION AND WEAR
Types of friction, friction measurement and effects, frictionless environment, and wear effects. 37-04

SEALS
Sealants, gaskets, packing, leakage, self-sealing materials, and sealing techniques. 37-05

WELDING
Brazing, bonding, soldering, and welding techniques and processes; weldability of various materials, and properties and characteristics of welds. 37-06

METAL FORMING
Theory, techniques, and processes of metal forming other than machining. 37-07

PUMPS
Pumps, pump seals, and pumping in aerospace technology. 37-08

VACUUM TECHNOLOGY
Vacuum systems, techniques and processes; vacuum testing measurement and material fabrication. 37-09

NONDESTRUCTIVE TESTING
Techniques and processes for the nondestructive testing of materials, including infrared, ultrasonic, and X-ray testing. 37-10

TURBOMACHINERY
Axial flow machines, centrifugal compressors and pumps, gas turbines, turbocompressors, turbine pumps, turbofans, turbogenerators. 37-11

38 QUALITY ASSURANCE AND RELIABILITY
QUALITY CONTROL AND RELIABILITY
Product development, qualitative testing and analysis of materials and structures, and reliability criteria for components and structures. 38-01

39 STRUCTURAL MECHANICS
SHELLS
Shell structures, stresses, loads, buckling and vibration. 39-01

STRESSES AND LOADS
Stresses and loads on launch vehicles, spacecraft, and aerospace structures. 39-02

STRUCTURE VIBRATION AND DAMPING
Vibration and damping in aerospace structures, spacecraft and airframes; panel flutter. 39-03

IMPACT PHENOMENA
Studies of impact phenomena in aerospace structures and components; also micrometeoroid impact damage. 39-04

STRUCTURAL FATIGUE
Fatigue studies and analysis, techniques for aerospace structures and components. 39-05

SANDWICH CONSTRUCTION
Honeycomb, multilayer and laminated fabrication, techniques and structures. 39-06

STRESS ANALYSIS
Stress calculation and analysis of structures. 39-07

STRUCTURAL TESTS AND RELIABILITY
Destructive and nondestructive testing and reliability of aerospace structures. 39-08
GEOSCIENCES

42 GEOSCIENCES (GENERAL)

RELATED TOPICS:
See specific topics under Subject Groups 43-48.

43 EARTH RESOURCES

EARTH RESOURCES
Earth resources studies; the role of satellites in natural resource development, geology, agriculture, forestry.

GEODESY AND CARTOGRAPHY
Geodetic positions, satellite surveying, geodetic applications, mapping techniques, analyzing methods, and mapping systems.

RELATED TOPICS:
Water Resources and Oceanography
Water conservation and development; hydrology; remote sensing of floods, snow cover, ice; oceanography, other hydrosphere studies.

Urban Technology and Transportation
Application of aerospace technology to the problems of cities; urban development, planning, research, and transportation; rail transportation; rapid transit systems; police services; water and sewage treatment; waste utilization, and land use.

44 ENERGY PRODUCTION AND CONVERSION

ENERGY RESOURCES
Production, conversion, transmission, conservation of energy; solar energy conversion; wind power; remote survey of energy resources; hydrogen economy.

FUEL CELLS AND CHEMICAL BATTERIES
Electrochemical, biochemical and regenerative fuel cells; silver-cadmium, nickel-oxide and other batteries.

SOLAR SPACE POWER
Photovoltaic cells, solar cells, solar energy, absorbing films; solar energy converters and solar power systems.

NUCLEAR AUXILIARY POWER
Nuclear auxiliary reactors, isotopic space power, and specific SNAP Systems.

45 ENVIRONMENT POLLUTION

ENVIRONMENTAL POLLUTION CONTROL
Applications of aerospace techniques, including remote sensing, to all aspects of air, water, thermal, and environmental pollution; specific pollutants, noise, noise injuries, noise meters, atmospheric composition, water quality.

46 GEOPHYSICS

UPPER EARTH ATMOSPHERE
Earth atmosphere above the troposphere; ionospheric composition, phenomena, chemical reactions and satellite measurement.

GEOLGY AND SEISMOLOGY
Earth geology, petrography, and orography; earthquake detection, measuring and recording instruments, and theoretical models.

GEOMAGNETISM
Geomagnetic anomaly, fields, latitudes, pulsations, storms, and measuring and data transmitting instruments.

RELATED TOPICS:
Sounding Rockets
Upper atmosphere aerology and meteorology probes, and other small launch vehicles.
Meteorological Satellites
Nimbus, Tiros, meteorological data from satellites.

Gravitation
Gravitational theory, effect and fields, equations and potential; antigravity, gravitational collapse, and gravity gradient control of satellites.

Radiation Belts
Inner and outer radiation belts, Van Allen Belt, artificial radiation belts, and trapped radiation.

47 METEOROLOGY AND CLIMATOLOGY
METEOROLOGICAL SATELLITES
Nimbus, Tiros, meteorological data from satellites.

WEATHER FORECASTING
Methods and instruments of weather data acquisition and processing; theory and methods of weather prediction.

MICROMETEOROLOGY
Smallest scale observation of physical and dynamic occurrences within the surface boundary layer of the atmosphere; includes turbulence, air pollution, launch conditions.

CLOUD RESEARCH
Types of cloud formation, cloud physics, nephanalysis, and cloud seeding.

METEOROLOGICAL INSTRUMENTS
Types and uses of meteorological instruments.

RELATED TOPICS:
Upper Earth Atmosphere
Earth atmosphere above the troposphere; ionospheric composition, phenomena, chemical reactions and satellite measurement.

Sounding Rockets
Upper atmosphere aerology and meteorology probes and small launch vehicles.

48 OCEANOGRAPHY
WATER RESOURCES AND OCEANOGRAPHY
Water conservation and development; hydrology; remote sensing of floods, snow cover, ice; oceanography, other hydrosphere studies.

LIFE SCIENCES

51 LIFE SCIENCES (GENERAL)
BIOLOGY (GENERAL)
Microbiology, ecology, botany, genetics and cytology.

BIOCHEMISTRY
Chemistry of living organisms and physiochemistry.

52 AEROSPACE MEDICINE
AEROSPACE MEDICINE
Aerospace medical problems and studies, e.g., toxicity and weightlessness; medical aspects of astronaut performance reaction, and neurophysiology.

CLINICAL MEDICINE
General medicine, body systems and functions, diseases, and drugs.

PHYSIOLOGICAL FACTORS
Functions related to body composition, physical performance reaction, and neurophysiology.

BIOLOGICAL RADIATION EFFECTS
Effects of radiation on the human body and other living organisms.
53 BEHAVIORAL SCIENCES
PSYCHOLOGICAL FACTORS
Factors related to psychology, psychiatry, individual and group behavior, crew training and testing.

54 MAN/SYSTEM TECHNOLOGY AND LIFE SUPPORT
LIFE SUPPORT SYSTEMS
Systems that support life in spacecraft, isolation chambers or uninhabitable environments, including space cabin atmosphere, food, water, and waste disposal.
CREW SAFETY AND PROTECTIVE CLOTHING
Survival techniques, escape, rescue, and protective clothing and equipment, space suits.
HUMAN ENGINEERING
Design and engineering of devices, equipment, and artificial environments to the requirements of man.
MAN-MACHINE SYSTEMS
Systems in which man and machine are interrelated.
BIOINSTRUMENTATION
Biotelemetry, medical electronics, physiological monitors, biological measurement, and biological data handling.
RELATED TOPIC:
Cybernetics and Bionics
Methods of control and communications common to living organisms and machines and those systems that function in the manner of or resembling human systems.

55 PLANETARY BIOLOGY
EXTRATERRESTRIAL LIFE
Exobiology and detection, simulation, and genesis of life outside earth.
RELATED TOPIC:
Sterilization
Spacecraft sterilization, sterilization methods, clean rooms, and contamination control.

59 MATHEMATICAL AND COMPUTER SCIENCES (GENERAL)
APPLIED MATHEMATICS
Mathematical applications in physical, biological and aerospace sciences.
DATA PROCESSING
Automatic source data processing, data handling, conversion and compression.

60 COMPUTER OPERATIONS AND HARDWARE
DIGITAL AND ANALOG COMPUTERS
Computer hardware, structure, peripheral equipment, and applications; hybrid computers.
AIRBORNE OR SPACEBORNE COMPUTERS
Computer design for onboard spacecraft or aircraft use.

61 COMPUTER PROGRAMMING AND SOFTWARE
COMPUTER SOFTWARE
Programming and computer languages, systems analysis, data management.

62 COMPUTER SYSTEMS
RELATED TOPICS:
Computer Software
Programming and computer languages, systems analysis, data management.
Aerospace Management
Management techniques, cost control, production engineering, personnel management.

63 CYBERNETICS
CYBERNETICS AND BIONICS
Methods of control and communications common to living organisms and machines and those systems that function in the manner of or resembling human systems.

64 NUMERICAL ANALYSIS
NUMERICAL ANALYSIS
Mathematical models, theoretical studies and applications.

65 STATISTICS AND PROBABILITY
STATISTICS AND PROBABILITY
Statistical techniques and applications, probability and reliability theory, probability equations, and problem solving.

66 SYSTEMS ANALYSIS
RELATED TOPIC:
Computer Software
Programming and computer languages, systems analysis, data management.

67 THEORETICAL MATHEMATICS

PHYSICS

70 PHYSICS (GENERAL)
RELATED TOPICS:
See specific topics on Subject Groups 71-77.

71 ACOUSTICS
ACOUSTICS
Acoustic attenuation, simulation, scattering radiation and vibration; hydroacoustics.
ULTRASONICS
Use in medicine and materials research, absorption properties and effects.

72 ATOMIC AND MOLECULAR PHYSICS
ATOMIC PHYSICS
Atomic theory, collision, beams, energy, reactions, and properties.
MOLECULAR PHYSICS
Molecular theory, energy, structure, collision, beams, properties, molecules, and instrumentation.

73 NUCLEAR AND HIGH-ENERGY PHYSICS
NUCLEAR PHYSICS
Nuclear particles, structure, reactions, and force.
RADIOACTIVITY
Measurement, detection, material, waste, fission products, and radioactive elements.
RELATED TOPIC:
Cosmic Radiation
Primary and secondary cosmic radiation, galactic and stellar radiation.

74 OPTICS
OPTICS
Optical equipment and technology, electron optics, crystal optics, fiber optics, and optical properties.
LIGHT
Light scattering, measurement effects and transmission.

75 PLASMA PHYSICS
PLASMA APPLICATIONS
Plasma arc welding, plasma spraying, plasma power source, plasma jet technology.
PLASMA DYNAMICS
Plasma theory, conductivity, diagnostics, plasma pinch, plasma sheath, plasma waves, and plasma oscillations.
MAGNETOHYDRODYNAMICS
Magnetohydrodynamic theory and applications.
RELATED TOPIC:
Astrophysical Plasmas
Solar, cosmic, and interstellar plasmas, solar atmosphere, and stellar plasma.

76 SOLID-STATE PHYSICS
SOLID STATE DEVICES
Devices using solid state components, diodes, and rectifiers.
SUPERCONDUCTIVITY
Superconductivity, superconducting magnets, superconducting transition temperatures, critical temperatures, and critical field curves of superconducting material.
DIELECTRICS
Dielectric material including dielectric constant of materials, electric losses and ohmic resistance of compounds, permeability and polarization of dielectric substances and media.
EPITAXIAL DEPOSITION
Epitaxial film deposition techniques; electrical properties of epitaxial deposited films and applications.
RELATED TOPICS:
Metal Crystals
Structure, defects, and technology of metal crystals.
Semiconductors and Transistors
Semiconductor and transistor types, devices, materials and applications.
Magnetism
Theory and research, aeromagnetism, ferromagnetism, hydromagnetism, paramagnetism, and thermomagnetism.

77 THERMODYNAMICS AND STATISTICAL PHYSICS
RELATED TOPICS:
Statistics and Probability
Statistical techniques and applications, probability and reliability theory, probability equations, and problem solving.
Molecular Physics
Molecular theory, energy, structure, collision, beams, properties, molecules, and instrumentation.
SOCIAL SCIENCES

80 SOCIAL SCIENCES (GENERAL)

RELATED TOPICS:
See specific topics in Subject Groups 81-85.

81 ADMINISTRATION AND MANAGEMENT

AEROSPACE MANAGEMENT
Management techniques, cost control, production engineering, personnel management.

82 DOCUMENTATION AND INFORMATION SCIENCE

INFORMATION TECHNOLOGY
Documentation, information processing and retrieval, and information systems.

83 ECONOMICS AND COST ANALYSIS

RELATED TOPIC:
Aerospace Management
Management techniques, cost control, production engineering, personnel management.

84 LAW AND POLITICAL SCIENCE

WORLD SPACE PROGRAMS AND AEROSPACE LAW
NASA programs in general, foreign aerospace programs, international cooperation, law related to space and aeronautics, Congressional aerospace hearings.

85 URBAN TECHNOLOGY AND TRANSPORTATION

URBAN TECHNOLOGY AND TRANSPORTATION
Application of aerospace technology to the problems of cities; urban development, planning, research, and transportation; rail transportation, rapid transit systems, police services; water and sewage treatment; waste utilization, and land use.

SPACE SCIENCES

88 SPACE SCIENCES (GENERAL)

RELATED TOPICS:
See specific topics under Subject Groups 89-93.

89 ASTRONOMY

SOLAR ASTRONOMY
Solar activity, physics, solar telescopes and observatories.

STELLAR ASTRONOMY AND COSMOLOGY
Stellar, galactic astronomy, including radioastronomy; origin and evolution of the universe.

METEORS AND METEORITES
Meteor properties and hazards, micrometeoroids and micrometeorites, comets, interplanetary dust.

90 ASTROPHYSICS

GRAVITATION
Gravitational theory, effect and fields, equations and potential; antigravity, gravitational collapse, gravity gradient control of satellites, geophysical gravitational fields.

ASTROPHYSICAL PLASMAS
Solar, cosmic, and interstellar plasmas, solar atmosphere, and stellar plasma.
91 LUNAR AND PLANETARY EXPLORATION

THE MOON
Studies of the lunar surface and lunar surface data, lunar interior, lunar environment, spacecraft and vehicles used in exploration, specific projects, and lunar landings.

PLANETARY SCIENCES AND EXPLORATION
Planetary composition, surfaces, atmospheres, and environment, spacecraft and vehicles used in planetary exploration.

RELATED TOPICS:
Space Probes
Lunar and planetary probes, including Pioneer, Ranger, Mariner, Voyager, and deep space probes.

Astrophysical Plasmas
Solar, cosmic, and interstellar plasmas, solar atmosphere, and stellar plasma.

92 SOLAR PHYSICS

RELATED TOPIC:
Solar Astronomy
Solar activity, physics, solar telescopes and observatories.

93 SPACE RADIATION

COSMIC RADIATION
Primary and secondary cosmic radiation, galactic and stellar radiation.

SOLAR RADIATION AND ACTIVITY
Solar radiation, observation, instrumentation, hazards to space flight, protection from solar radiation, solar storms, solar flares, solar winds, and sunspots.

RADIATION BELTS
Inner and outer radiation belts, Van Allen Belt, artificial radiation belts, and trapped radiation.

99 GENERAL

ANNUAL REPORTS, BIOGRAPHIES
AND HISTORIES
<table>
<thead>
<tr>
<th>TOPIC</th>
<th>NUMBER</th>
<th>TOPIC</th>
<th>NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ablation</td>
<td>34-09</td>
<td>Bioengineering</td>
<td>54-03</td>
</tr>
<tr>
<td>Ablative Materials</td>
<td>34-09</td>
<td>Biological Radiation Effects</td>
<td>52-04</td>
</tr>
<tr>
<td>Acoustics</td>
<td>71-01</td>
<td>Bioluminescence</td>
<td>23-03</td>
</tr>
<tr>
<td>Adhesives</td>
<td>27-02</td>
<td>Bionics</td>
<td>63-01</td>
</tr>
<tr>
<td>Aerial Photography</td>
<td>35-01</td>
<td>Biotelemetry</td>
<td>32-04, 54-05</td>
</tr>
<tr>
<td>Aerodynamic Characteristics</td>
<td>02-01</td>
<td>Bodies, Aerodynamics of</td>
<td>02-01</td>
</tr>
<tr>
<td>Aerodynamics, Airfoil</td>
<td>02-03</td>
<td>Boundary Layer Flow</td>
<td>34-01</td>
</tr>
<tr>
<td>Aerodynamics, Wings</td>
<td>02-03</td>
<td>Boundary Layer Mechanics</td>
<td>34-01</td>
</tr>
<tr>
<td>Aerodynamics of Bodies</td>
<td>02-02</td>
<td>Brazing</td>
<td>37-06</td>
</tr>
<tr>
<td>Aerospace Management</td>
<td>81-01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aerospace Medicine</td>
<td>52-01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Air Conditioning</td>
<td>34-06</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Air Flow</td>
<td>35-08</td>
<td>Calibration</td>
<td>35-03</td>
</tr>
<tr>
<td>Air Piracy</td>
<td>03-06</td>
<td>Cameras</td>
<td>35-01</td>
</tr>
<tr>
<td>Air Traffic Control</td>
<td>03-01</td>
<td>Cartography</td>
<td>43-02</td>
</tr>
<tr>
<td>Airborne Computers</td>
<td>60-02</td>
<td>Cathode Ray Tubes</td>
<td>35-06</td>
</tr>
<tr>
<td>Aircraft, STOL/VTOL</td>
<td>03-03</td>
<td>Celestial Mechanics</td>
<td>13-01</td>
</tr>
<tr>
<td>Aircraft Noise</td>
<td>03-06</td>
<td>Centrifuges</td>
<td>14-02</td>
</tr>
<tr>
<td>Aircraft Safety</td>
<td>03-06</td>
<td>Ceramics</td>
<td>27-03</td>
</tr>
<tr>
<td>Airfoil Aerodynamics</td>
<td>02-03</td>
<td>Cermets</td>
<td>24-01</td>
</tr>
<tr>
<td>Airports</td>
<td>03-01</td>
<td>Chemical Analysis</td>
<td>23-01</td>
</tr>
<tr>
<td>Aluminum</td>
<td>28-01</td>
<td>Chemical Batteries</td>
<td>44-02</td>
</tr>
<tr>
<td>Amplifiers (Electronic)</td>
<td>33-07</td>
<td>Chemical Engineering</td>
<td>23-02</td>
</tr>
<tr>
<td>Amplifiers, Fluid</td>
<td>34-03</td>
<td>Chemical Reactions</td>
<td>23-02</td>
</tr>
<tr>
<td>Analog Computers</td>
<td>60-01</td>
<td>Chemiluminescence</td>
<td>23-03</td>
</tr>
<tr>
<td>Analytical Chemistry</td>
<td>23-01</td>
<td>Circuit Theory</td>
<td>33-05</td>
</tr>
<tr>
<td>Antennas</td>
<td>33-03</td>
<td>Circuitry</td>
<td>33-05</td>
</tr>
<tr>
<td>Anthropometry</td>
<td>54-03</td>
<td>Clean Rooms</td>
<td>14-04</td>
</tr>
<tr>
<td>Apollo Applications Program</td>
<td>16-01</td>
<td>Clear Air Turbulence</td>
<td>03-07</td>
</tr>
<tr>
<td>Apollo Project</td>
<td>16-01</td>
<td>Clinical Medicine</td>
<td>52-02</td>
</tr>
<tr>
<td>Apollo-Soyuz Test Program</td>
<td>16-01</td>
<td>Clothing, Protective</td>
<td>54-02</td>
</tr>
<tr>
<td>Apollo Telescope Mount</td>
<td>16-01</td>
<td>Cloud Research</td>
<td>47-04</td>
</tr>
<tr>
<td>Applied Mathematics</td>
<td>59-01</td>
<td>Coatings</td>
<td>25-03</td>
</tr>
<tr>
<td>Astronomical Satellites</td>
<td>15-04</td>
<td>Coherent Light</td>
<td>36-01</td>
</tr>
<tr>
<td>Astronomy, Planetary</td>
<td>91-02</td>
<td>Combustion Physics</td>
<td>34-05</td>
</tr>
<tr>
<td>Astronomy, Solar</td>
<td>89-01</td>
<td>Comets</td>
<td>89-03</td>
</tr>
<tr>
<td>Astronomy, Stellar and Galactic</td>
<td>89-02</td>
<td>Commercial Aviation</td>
<td>03-01</td>
</tr>
<tr>
<td>Astrophysical Plasmas</td>
<td>90-02</td>
<td>Communication, Laser</td>
<td>36-02</td>
</tr>
<tr>
<td>Astrophysics</td>
<td>89-02</td>
<td>Communication Blackout</td>
<td>17-01</td>
</tr>
<tr>
<td>Atmosphere, Upper Earth</td>
<td>46-01</td>
<td>Communication Equipment</td>
<td>32-02</td>
</tr>
<tr>
<td>Atmospheres, Planetary</td>
<td>91-02</td>
<td>Communication Satellites</td>
<td>32-01</td>
</tr>
<tr>
<td>Atmospheric Entry</td>
<td>34-07</td>
<td>Communication Systems</td>
<td>32-03</td>
</tr>
<tr>
<td>Atomic Physics</td>
<td>72-01</td>
<td>Communication Theory</td>
<td>32-06</td>
</tr>
<tr>
<td>Attitude Control</td>
<td>18-01</td>
<td>Communications, Space</td>
<td>17-01</td>
</tr>
<tr>
<td>Automatic Flight Control</td>
<td>17-02</td>
<td>Composite Materials</td>
<td>24-01</td>
</tr>
<tr>
<td>Auxiliary Electrical Systems</td>
<td>05-02</td>
<td>Computer Hardware</td>
<td>60-01</td>
</tr>
<tr>
<td>Auxiliary Power, Nuclear</td>
<td>44-04</td>
<td>Computer Software</td>
<td>61-01</td>
</tr>
<tr>
<td>Auxiliary Propulsion</td>
<td>20-02</td>
<td>Computers, Airborne or Spaceborne</td>
<td>60-02</td>
</tr>
<tr>
<td>Aviation, Civil</td>
<td>03-01</td>
<td>Computers, Analog</td>
<td>60-01</td>
</tr>
<tr>
<td>Aviation Law</td>
<td>84-01</td>
<td>Computers, Digital</td>
<td>60-01</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Computers, Hybrid</td>
<td>60-01</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Control Theory, Feedback and</td>
<td>32-06</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cooling</td>
<td>34-06</td>
</tr>
<tr>
<td>TOPIC</td>
<td>NUMBER</td>
<td>TOPIC</td>
<td>NUMBER</td>
</tr>
<tr>
<td>--------------------------------------</td>
<td>--------</td>
<td>--------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>Crew Training and Evaluation</td>
<td>53-01</td>
<td>Friction</td>
<td>37-04</td>
</tr>
<tr>
<td>Cryogenic Propellants</td>
<td>28-01</td>
<td>Fuel Cells</td>
<td>44-02</td>
</tr>
<tr>
<td>Cryogenics</td>
<td>34-10</td>
<td>Fuels, Rocket</td>
<td>28-01, 28-02</td>
</tr>
<tr>
<td>Crystals, Metal</td>
<td>25-02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cybernetics</td>
<td>63-01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cytology</td>
<td>51-01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Damping, Structural Vibration and</td>
<td>39-03</td>
<td>Galactic Evolution</td>
<td>89-02</td>
</tr>
<tr>
<td>Data Handling Systems, Biological</td>
<td>54-05</td>
<td>Gas Dynamics</td>
<td>34-02, 35-06</td>
</tr>
<tr>
<td>Data Processing</td>
<td>59-02</td>
<td>Gas Flow</td>
<td>35-06</td>
</tr>
<tr>
<td>Data Recording</td>
<td>35-07</td>
<td>Gaskets</td>
<td>37-06</td>
</tr>
<tr>
<td>Decelerators</td>
<td>15-05</td>
<td>Geodesy</td>
<td>37-01</td>
</tr>
<tr>
<td>Detonators</td>
<td>34-05</td>
<td>Geology</td>
<td>33-06</td>
</tr>
<tr>
<td>Dielectrics</td>
<td>76-03</td>
<td>Geomagnetism</td>
<td>43-02</td>
</tr>
<tr>
<td>Digital Computer</td>
<td>60-01</td>
<td>Geophysical Satellites</td>
<td>46-03</td>
</tr>
<tr>
<td>Display Systems</td>
<td>35-06</td>
<td>Graphite</td>
<td>15-04</td>
</tr>
<tr>
<td>Docking</td>
<td>18-02</td>
<td>Gravitation</td>
<td>27-06</td>
</tr>
<tr>
<td>Documentation</td>
<td>82-01</td>
<td>Gravitational Collapse</td>
<td>80-01</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Gravity Gradient Control</td>
<td>90-01</td>
</tr>
<tr>
<td>E</td>
<td></td>
<td>Ground Effect Machines</td>
<td>15-02</td>
</tr>
<tr>
<td>Earth Resources</td>
<td>43-01</td>
<td>Ground Support Systems</td>
<td>03-02</td>
</tr>
<tr>
<td>Ecology</td>
<td>51-01</td>
<td>Guidance</td>
<td>17-03</td>
</tr>
<tr>
<td>Elastomers</td>
<td>27-04</td>
<td>Gyroscopes</td>
<td>17-02</td>
</tr>
<tr>
<td>Electric Propulsion</td>
<td>20-03</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electrical Equipment</td>
<td>33-06</td>
<td>Heat Pipes</td>
<td>34-06</td>
</tr>
<tr>
<td>Electrical Insulation</td>
<td>33-06</td>
<td>Heat Transfer, Basic</td>
<td>34-06</td>
</tr>
<tr>
<td>Electrical Systems</td>
<td>05-02</td>
<td>Heat Transfer, Reentry</td>
<td>34-07</td>
</tr>
<tr>
<td>Electrochemistry</td>
<td>25-04</td>
<td>Helicopters</td>
<td>03-02</td>
</tr>
<tr>
<td>Electromagnetic Propulsion</td>
<td>20-03</td>
<td>Holography</td>
<td>38-02</td>
</tr>
<tr>
<td>Electromagnetic Radiation</td>
<td>33-09</td>
<td>Honeycomb Structures</td>
<td>38-06</td>
</tr>
<tr>
<td>Electronic Amplifiers</td>
<td>33-07</td>
<td>Human Engineering</td>
<td>54-03</td>
</tr>
<tr>
<td>Electronic Components</td>
<td>33-04</td>
<td>Hybrid Computers</td>
<td>60-01</td>
</tr>
<tr>
<td>Electronic Packaging</td>
<td>33-04</td>
<td>Hydraulic Shock</td>
<td>39-04</td>
</tr>
<tr>
<td>Electrostatic Propulsion</td>
<td>20-03</td>
<td>Hydraulic Systems</td>
<td>05-01</td>
</tr>
<tr>
<td>Energy Resources</td>
<td>44-01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engine Test Stands</td>
<td>14-02</td>
<td>Hygiene and Sanitation</td>
<td>54-01</td>
</tr>
<tr>
<td>Environment Simulation</td>
<td>14-03</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Epitaxial Deposition</td>
<td>76-04</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exobiology</td>
<td>55-01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Extraterrestrial Life</td>
<td>55-01</td>
<td>Impact Phenomena</td>
<td>39-04</td>
</tr>
<tr>
<td>Extravehicular Operations</td>
<td>16-01</td>
<td>Individual and Group Behavior</td>
<td>53-01</td>
</tr>
<tr>
<td>F</td>
<td></td>
<td>Induction Heating</td>
<td>34-06</td>
</tr>
<tr>
<td>Fatigue, Structural</td>
<td>39-05</td>
<td>Industrial Safety</td>
<td>81-01</td>
</tr>
<tr>
<td>Feedback and Control Theory</td>
<td>33-08</td>
<td>Inertial Guidance</td>
<td>17-03</td>
</tr>
<tr>
<td>Fiber Technology</td>
<td>24-02</td>
<td>Inertial Navigation</td>
<td>17-02</td>
</tr>
<tr>
<td>Filament Winding</td>
<td>24-02</td>
<td>Information Retrieval</td>
<td>82-01</td>
</tr>
<tr>
<td>Fusion Products</td>
<td>73-02</td>
<td>Information Technology</td>
<td>82-01</td>
</tr>
<tr>
<td>Flames, Solar</td>
<td>93-02</td>
<td>Information Theory</td>
<td>32-06</td>
</tr>
<tr>
<td>Flight Control</td>
<td>17-03</td>
<td>Infrared Technology</td>
<td>35-02</td>
</tr>
<tr>
<td>Fluid Control</td>
<td>17-03</td>
<td>Infrared Testing</td>
<td>37-10</td>
</tr>
<tr>
<td>Fluid Amplifiers</td>
<td>34-03</td>
<td>Instrument Calibration</td>
<td>35-03</td>
</tr>
<tr>
<td>Fluid Flow</td>
<td>34-04</td>
<td>Instrument Standards</td>
<td>35-03</td>
</tr>
<tr>
<td>Fluidics</td>
<td>34-03</td>
<td>Instrumentation, Spacecraft</td>
<td>19-01</td>
</tr>
<tr>
<td>Fluorescence</td>
<td>23-03</td>
<td>Instruments, Meteorological</td>
<td>47-05</td>
</tr>
<tr>
<td>Flyby Missions</td>
<td>15-03</td>
<td>Instruments, Navigation</td>
<td>17-02</td>
</tr>
<tr>
<td>Food and Water Technology</td>
<td>54-01</td>
<td>Instruments, Optical</td>
<td>74-01</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Insulation, Thermal</td>
<td>34-08</td>
</tr>
<tr>
<td>TOPIC</td>
<td>NUMBER</td>
<td>TOPIC</td>
<td>NUMBER</td>
</tr>
<tr>
<td>-----------------------------------------</td>
<td>--------</td>
<td>-----------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>International Cooperation</td>
<td>84-01</td>
<td>Measurement, Pressure</td>
<td>35-06</td>
</tr>
<tr>
<td>International Law</td>
<td>84-01</td>
<td>Measurement, Temperature</td>
<td>35-04</td>
</tr>
<tr>
<td>Ion Engines</td>
<td>20-03</td>
<td>Mechanical Shock</td>
<td>39-04</td>
</tr>
<tr>
<td>Ion Propulsion</td>
<td>20-03</td>
<td>Medicine, Aerospace</td>
<td>62-01</td>
</tr>
<tr>
<td>Ionosphere</td>
<td>46-01</td>
<td>Medicine, Clinical</td>
<td>52-02</td>
</tr>
<tr>
<td>Isotopic Space Power</td>
<td>44-04</td>
<td>Metal Crystals</td>
<td>25-02</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Metal Forming</td>
<td>37-07</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Metallurgy</td>
<td>26-07</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Metals, Liquid</td>
<td>28-03</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Metals, Refractory</td>
<td>28-06</td>
</tr>
<tr>
<td>Jet Flow</td>
<td>36-08</td>
<td>Meteorological Instruments</td>
<td>47-05</td>
</tr>
<tr>
<td>Jet Propulsion</td>
<td>07-01</td>
<td>Meteorological Satellites</td>
<td>47-01</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Meteors and Meteorites</td>
<td>89-03</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Microlmtenics</td>
<td>33-10</td>
</tr>
<tr>
<td>Laminted Materials</td>
<td>39-06</td>
<td>Laminates</td>
<td>89-03</td>
</tr>
<tr>
<td>Laminates</td>
<td>24-01</td>
<td>Laminated Materials</td>
<td>47-03</td>
</tr>
<tr>
<td>Landing Modules</td>
<td>16-01</td>
<td>Laminates</td>
<td>33-10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Laminates</td>
<td>33-10</td>
</tr>
<tr>
<td>Laser Application</td>
<td>38-02</td>
<td>Laser Application</td>
<td>47-03</td>
</tr>
<tr>
<td>Laser Communications</td>
<td>38-02</td>
<td>Laser Communications</td>
<td>33-10</td>
</tr>
<tr>
<td>Laser Photography</td>
<td>38-02</td>
<td>Laser Photography</td>
<td>20-02</td>
</tr>
<tr>
<td>Liquid Metal Crystals</td>
<td>36-01</td>
<td>Laser Ranging</td>
<td>33-11</td>
</tr>
<tr>
<td>Laser Ranging</td>
<td>36-02</td>
<td>Laser Ranging</td>
<td>72-02</td>
</tr>
<tr>
<td>Lasers</td>
<td>36-01</td>
<td>Lunar Exploration</td>
<td>44-04</td>
</tr>
<tr>
<td>Launch Complex</td>
<td>14-01</td>
<td>Lunar Exploration</td>
<td>73-01</td>
</tr>
<tr>
<td>Launch Facilities</td>
<td>14-01</td>
<td>Lunar Landing</td>
<td>44-04</td>
</tr>
<tr>
<td>Launch Vehicle Recovery</td>
<td>15-01</td>
<td>Lunar Landings</td>
<td>44-04</td>
</tr>
<tr>
<td>Launch Vehicles</td>
<td>15-01</td>
<td>Lunar Photography</td>
<td>44-04</td>
</tr>
<tr>
<td>Law</td>
<td>84-01</td>
<td>Lunar Exploration</td>
<td>43-01</td>
</tr>
<tr>
<td>Leastage</td>
<td>37-06</td>
<td>Lunar Landing</td>
<td>17-02</td>
</tr>
<tr>
<td>Life Support Systems</td>
<td>54-01</td>
<td>Life Support Systems</td>
<td>17-02</td>
</tr>
<tr>
<td>Lifting Bodies</td>
<td>15-06</td>
<td>Lifting Bodies</td>
<td>45-01</td>
</tr>
<tr>
<td>Light</td>
<td>74-02</td>
<td>Light</td>
<td>32-06</td>
</tr>
<tr>
<td>Light, Coherent</td>
<td>38-01</td>
<td>Light, Coherent</td>
<td>32-06</td>
</tr>
<tr>
<td>Liquified Gases</td>
<td>34-10</td>
<td>Liquified Gases</td>
<td>37-10</td>
</tr>
<tr>
<td>Liquid Flow</td>
<td>34-04</td>
<td>Liquid Flow</td>
<td>44-04</td>
</tr>
<tr>
<td>Liquid Metals</td>
<td>28-01</td>
<td>Liquid Metals</td>
<td>73-01</td>
</tr>
<tr>
<td>Liquid Propellants</td>
<td>23-01</td>
<td>Liquid Propellants</td>
<td>44-04</td>
</tr>
<tr>
<td>Loads</td>
<td>39-02</td>
<td>Loads</td>
<td>44-04</td>
</tr>
<tr>
<td>Lubricants</td>
<td>37-02</td>
<td>Lubricants</td>
<td>64-01</td>
</tr>
<tr>
<td>Lubrication</td>
<td>37-02</td>
<td>Lubrication</td>
<td>64-01</td>
</tr>
<tr>
<td>Luminescence</td>
<td>23-03</td>
<td>Luminescence</td>
<td>64-01</td>
</tr>
<tr>
<td>Lunar Exploration</td>
<td>91-01</td>
<td>Lunar Exploration</td>
<td>48-01</td>
</tr>
<tr>
<td>Lunar Landings</td>
<td>91-01</td>
<td>Lunar Landings</td>
<td>74-01</td>
</tr>
<tr>
<td>Lunar Photography</td>
<td>35-01</td>
<td>Lunar Photography</td>
<td>17-04</td>
</tr>
<tr>
<td>Lunar Surface</td>
<td>91-01</td>
<td>Lunar Surface</td>
<td>35-01</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Numerical Analysis</td>
<td>74-01</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Optical Instruments</td>
<td>16-01</td>
</tr>
<tr>
<td>Machine Tools</td>
<td>37-03</td>
<td>Optical Instruments</td>
<td>16-01</td>
</tr>
<tr>
<td>Machining</td>
<td>37-03</td>
<td>Optical Instruments</td>
<td>16-01</td>
</tr>
<tr>
<td>Magnetism</td>
<td>33-12</td>
<td>Optical Instruments</td>
<td>15-04</td>
</tr>
<tr>
<td>Magneto-hydrodynamics</td>
<td>75-03</td>
<td>Optical Instruments</td>
<td>15-04</td>
</tr>
<tr>
<td>Man-Machine Systems</td>
<td>54-04</td>
<td>Optical Instruments</td>
<td>15-04</td>
</tr>
<tr>
<td>Management</td>
<td>81-01</td>
<td>Parachutes and Decelerators</td>
<td>15-05</td>
</tr>
<tr>
<td>Maneuverable Reentry Vehicle</td>
<td>15-06</td>
<td>Photochemical Reactions</td>
<td>23-04</td>
</tr>
<tr>
<td>Manned Spacecraft</td>
<td>16-01</td>
<td>Photography</td>
<td>35-01</td>
</tr>
<tr>
<td>Mapping</td>
<td>43-02</td>
<td>Photography, Laser</td>
<td>36-02</td>
</tr>
<tr>
<td>Marketing</td>
<td>81-01</td>
<td>Photosynthesis</td>
<td>23-04</td>
</tr>
<tr>
<td>Masses</td>
<td>36-01</td>
<td>Physics, Atomic</td>
<td>72-01</td>
</tr>
<tr>
<td>Mathematics, Applied</td>
<td>59-01</td>
<td>Physics, Combustion</td>
<td>34-05</td>
</tr>
<tr>
<td>Measurement, Gas Flow</td>
<td>35-08</td>
<td>Physics, Molecular</td>
<td>72-02</td>
</tr>
<tr>
<td>TOPIC</td>
<td>NUMBER</td>
<td>TOPIC</td>
<td>NUMBER</td>
</tr>
<tr>
<td>--------------------------------------------</td>
<td>--------</td>
<td>--------------------------------------------</td>
<td>--------</td>
</tr>
<tr>
<td>Physics, Nuclear</td>
<td>73-01</td>
<td>Reliability, Spacecraft</td>
<td>39-06</td>
</tr>
<tr>
<td>Physics, Plasma</td>
<td>75-02</td>
<td>Rendezvous</td>
<td>18-02</td>
</tr>
<tr>
<td>Physiological Factors</td>
<td>52-03</td>
<td>Rocket Engines</td>
<td>20-01</td>
</tr>
<tr>
<td>Physiological Monitors</td>
<td>54-05</td>
<td>Rocket Fuels, Liquid</td>
<td>28-01</td>
</tr>
<tr>
<td>Planetary Astronomy</td>
<td>91-02</td>
<td>Rocket Fuels, Solid</td>
<td>28-02</td>
</tr>
<tr>
<td>Planetary Atmospheres</td>
<td>91-02</td>
<td>Rocket Nozzles</td>
<td>20-01</td>
</tr>
<tr>
<td>Planetary Bases</td>
<td>91-02</td>
<td>Rocket Sounding</td>
<td>15-02</td>
</tr>
<tr>
<td>Planetary Exploration</td>
<td>91-02</td>
<td>Rocket Test Facilities</td>
<td>14-02</td>
</tr>
<tr>
<td>Planetary Landings</td>
<td>91-02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plasma Applications</td>
<td>75-01</td>
<td>Safety, Crew</td>
<td>54-02</td>
</tr>
<tr>
<td>Plasma Diagnostics</td>
<td>75-02</td>
<td>Safety and Safety Devices, Aircraft</td>
<td>03-06</td>
</tr>
<tr>
<td>Plasma Dynamics</td>
<td>75-02</td>
<td>Sandwich Construction</td>
<td>39-06</td>
</tr>
<tr>
<td>Plasma Jet Technology</td>
<td>75-01</td>
<td>Sandwich Materials</td>
<td>24-01</td>
</tr>
<tr>
<td>Plasma Physics</td>
<td>75-02</td>
<td>Sanitation, Hygiene and</td>
<td>54-01</td>
</tr>
<tr>
<td>Plasma Power Source</td>
<td>75-01</td>
<td>Satellites, Communication</td>
<td>32-01</td>
</tr>
<tr>
<td>Plasmas, Astrophysical</td>
<td>90-02</td>
<td>Satellites, Geophysical</td>
<td>15-04</td>
</tr>
<tr>
<td>Plastics</td>
<td>27-01</td>
<td>Satellites, Meteorological</td>
<td>47-01</td>
</tr>
<tr>
<td>Pneumatic Systems</td>
<td>06-01</td>
<td>Satellites, Scientific</td>
<td>15-04</td>
</tr>
<tr>
<td>Pollution Control</td>
<td>45-01</td>
<td>Silicones</td>
<td>27-01</td>
</tr>
<tr>
<td>Polymers</td>
<td>27-06</td>
<td>Simulation, Space Environment</td>
<td>14-03</td>
</tr>
<tr>
<td>Powder Metallurgy</td>
<td>26-07</td>
<td>Simulators</td>
<td>14-03</td>
</tr>
<tr>
<td>Pressure Measurement</td>
<td>35-06</td>
<td>Skylab Program</td>
<td>18-01</td>
</tr>
<tr>
<td>Probability</td>
<td>65-01</td>
<td>Sloshing</td>
<td>28-01</td>
</tr>
<tr>
<td>Probes, Space</td>
<td>15-03</td>
<td>SNAP Program</td>
<td>44-04</td>
</tr>
<tr>
<td>Propellants, Liquid</td>
<td>28-01</td>
<td>Solar Activity</td>
<td>93-02</td>
</tr>
<tr>
<td>Propellants, Solid</td>
<td>28-02</td>
<td>Solar Astronomy</td>
<td>89-01</td>
</tr>
<tr>
<td>Propulsion, Auxiliary</td>
<td>20-02</td>
<td>Solar Flares</td>
<td>93-02</td>
</tr>
<tr>
<td>Propulsion, Electric</td>
<td>20-03</td>
<td>Solar Radiation Hazards</td>
<td>93-02</td>
</tr>
<tr>
<td>Propulsion, Jet</td>
<td>07-01</td>
<td>Solar Simulators</td>
<td>14-03</td>
</tr>
<tr>
<td>Protective Clothing and Equipment</td>
<td>54-02</td>
<td>Solar Space Power</td>
<td>44-03</td>
</tr>
<tr>
<td>Psychological Factors</td>
<td>53-01</td>
<td>Soldering</td>
<td>37-06</td>
</tr>
<tr>
<td>Pumps</td>
<td>37-08</td>
<td>Solid Propellants</td>
<td>28-02</td>
</tr>
<tr>
<td>Pyrolytic Materials</td>
<td>34-09</td>
<td>Solid State Devices</td>
<td>76-01</td>
</tr>
<tr>
<td>Quality Control</td>
<td>38-01</td>
<td>Sondes</td>
<td>15-02</td>
</tr>
<tr>
<td>Quasars</td>
<td>89-02</td>
<td>Sonic Boom</td>
<td>03-06</td>
</tr>
<tr>
<td>Radar Equipment</td>
<td>33-01</td>
<td>Sound</td>
<td>71-01</td>
</tr>
<tr>
<td>Radar Photography</td>
<td>35-01</td>
<td>Sounding Rockets</td>
<td>15-02</td>
</tr>
<tr>
<td>Radiation, Cosmic</td>
<td>93-01</td>
<td>Space Cabin Atmospheres</td>
<td>54-01</td>
</tr>
<tr>
<td>Radiation, Electromagnetic</td>
<td>33-09</td>
<td>Space Communications</td>
<td>17-01</td>
</tr>
<tr>
<td>Radiation, Solar</td>
<td>93-02</td>
<td>Space Environment Simulation</td>
<td>14-03</td>
</tr>
<tr>
<td>Radiation Belts</td>
<td>93-03</td>
<td>Space Law</td>
<td>84-01</td>
</tr>
<tr>
<td>Radiation Effects, Biological</td>
<td>52-04</td>
<td>Space Photography</td>
<td>35-01</td>
</tr>
<tr>
<td>Radiation Hazards, Solar</td>
<td>93-02</td>
<td>Space Power, Isotopic</td>
<td>44-04</td>
</tr>
<tr>
<td>Radio Noise</td>
<td>32-05</td>
<td>Space Power, Nuclear</td>
<td>44-04</td>
</tr>
<tr>
<td>Reactor Activity</td>
<td>73-02</td>
<td>Space Power, Solar</td>
<td>44-03</td>
</tr>
<tr>
<td>Reactor Test Facilities</td>
<td>07-01</td>
<td>Space Probes</td>
<td>15-03</td>
</tr>
<tr>
<td>Recoverable Launch Vehicles</td>
<td>14-02</td>
<td>Space Programs (General)</td>
<td>84-01</td>
</tr>
<tr>
<td>Reentry Heat Transfer</td>
<td>15-01</td>
<td>Space Shuttle</td>
<td>16-01</td>
</tr>
<tr>
<td>Reentry Heat Transfer</td>
<td>15-06</td>
<td>Space Stations</td>
<td>16-01</td>
</tr>
<tr>
<td>Reentry Vehicles</td>
<td>15-06</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Refractory Metals</td>
<td>26-06</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reinforced Materials</td>
<td>24-02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reliability, Quality Control and</td>
<td>38-01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reliability, Structural</td>
<td>39-02, 39-08</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOPIC</td>
<td>NUMBER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>--------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spacesuits</td>
<td>54-02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spaceborne Computers</td>
<td>60-02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spacecraft, Manned</td>
<td>16-01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spacecraft, U.S.S.R</td>
<td>15-06</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spacecraft Attitude Control</td>
<td>18-01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spacecraft Instrumentation</td>
<td>19-01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spacecraft Reliability</td>
<td>39-08</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spacelab Program</td>
<td>16-01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stainless Steel</td>
<td>26-04</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Star Distribution</td>
<td>89-02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Star Tracking</td>
<td>17-02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Statistics</td>
<td>65-01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Steel</td>
<td>26-04</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stellar Astronomy</td>
<td>89-02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sterilization</td>
<td>14-04</td>
<td></td>
<td></td>
</tr>
<tr>
<td>STOL/VTOL Aircraft</td>
<td>03-03</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stress Analysis</td>
<td>39-07</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stress Corrosion</td>
<td>25-01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stresses and Loads</td>
<td>39-02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Structural Fatigue</td>
<td>39-05</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Structural Reliability</td>
<td>39-02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Structural Tests</td>
<td>39-08</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Structural Vibration and Damping</td>
<td>39-03</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Submillimeter Waves</td>
<td>33-11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Superalloys</td>
<td>26-06</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supercritical Wing</td>
<td>02-03</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Superconductivity</td>
<td>76-02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supersonic Transport</td>
<td>03-04</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Systems Analysis</td>
<td>61-01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Telemetry</td>
<td>32-04</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Telescopes</td>
<td>89-01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Television Systems</td>
<td>32-03</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature Measurement</td>
<td>35-04</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Test Facilities</td>
<td>14-02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Test Ranges</td>
<td>14-02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Test Stands</td>
<td>14-02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Testing, Nondestructive</td>
<td>37-10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tests, Structural</td>
<td>39-08</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thermal Insulation</td>
<td>34-08</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thermal Protection</td>
<td>34-08</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thermoplastics</td>
<td>27-01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thrust Chambers</td>
<td>20-01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Titanium</td>
<td>26-05</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Toxicity and Toxicology</td>
<td>52-01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tracking</td>
<td>17-04</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tracking Stations</td>
<td>17-04</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Training and Evaluation, Crew</td>
<td>53-01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trajectory Calculations</td>
<td>13-01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trajectory Control</td>
<td>17-03</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transducers</td>
<td>19-02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transistors</td>
<td>33-02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transonic Flight</td>
<td>02-03, 03-04</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transport, Supersonic</td>
<td>03-04</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Turbofan Engine</td>
<td>07-01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Turbojet Engine</td>
<td>07-01</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Turbomachinery</td>
<td>37-11</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>