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AGARD

ADVISORY GROUP FOR AEROSPACE RESEARCH & DEVELOPMENT
7 RUE ANCELLE, 92200 NEUILLY-SUR-SEINE, FRANCE

AGARD REPORT NO 802

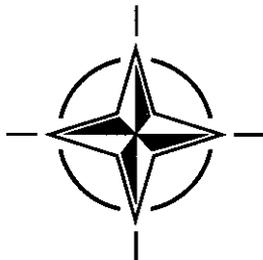
Directory of Defense and Aerospace Information Centers (Annuaire des centres de la défense et de l'aérospatiale civile)

*This publication was prepared at the request of the Technical Information
Panel (TIP) of AGARD.*

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NORTH ATLANTIC TREATY ORGANIZATION

Published March 1995

Distribution and Availability on Back Cover

UNCLASSIFIED

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial data. This includes not only sales and purchases but also expenses and income. The document provides a detailed explanation of how to categorize these transactions and how to use a double-entry system to maintain the accounting equation.

Next, the document covers the process of reconciling bank statements. It explains that this is a crucial step in ensuring that the company's records match the bank's records. The process involves comparing the company's cash account with the bank statement, identifying any discrepancies, and determining the reasons for them. Common causes of discrepancies include bank fees, errors in recording, and timing differences.

The document then discusses the preparation of financial statements. It outlines the steps involved in calculating the net income, preparing the balance sheet, and the income statement. It provides formulas and examples to illustrate how these statements are derived from the accounting records. The document also emphasizes the importance of reviewing these statements for accuracy and consistency.

Finally, the document touches upon the importance of internal controls. It explains that these controls are designed to prevent errors and fraud, and to ensure that the company's assets are protected. Examples of internal controls include segregation of duties, regular audits, and the use of standardized procedures.

AGARD

ADVISORY GROUP FOR AEROSPACE RESEARCH & DEVELOPMENT

7 RUE ANCELLE, 92200 NEUILLY-SUR-SEINE, FRANCE

AGARD REPORT NO 802

Directory of Defense and Aerospace Information Centers

(Annuaire des centres de la défense
et de l'aérospatiale civile)

This publication was prepared at the request of the Technical Information
Panel (TIP) of AGARD.



North Atlantic Treaty Organization
Organisation du Traité de l'Atlantique Nord

The Mission of AGARD

According to its Charter, the mission of AGARD is to bring together the leading personalities of the NATO nations in the fields of science and technology relating to aerospace for the following purposes:

- Recommending effective ways for the member nations to use their research and development capabilities for the common benefit of the NATO community;
- Providing scientific and technical advice and assistance to the Military Committee in the field of aerospace research and development (with particular regard to its military application);
- Continuously stimulating advances in the aerospace sciences relevant to strengthening the common defence posture;
- Improving the co-operation among member nations in aerospace research and development;
- Exchange of scientific and technical information;
- Providing assistance to member nations for the purpose of increasing their scientific and technical potential;

Rendering scientific and technical assistance, as requested, to other NATO bodies and to member nations in connection with research and development problems in the aerospace field.

The highest authority within AGARD is the National Delegates Board consisting of officially appointed senior representatives from each member nation. The mission of AGARD is carried out through the Panels which are composed of experts appointed by the National Delegates, the Consultant and Exchange Programme and the Aerospace Applications Studies Programme. The results of AGARD work are reported to the member nations and the NATO Authorities through the ACARD series of publications of which this is one.

Participation in AGARD activities is by invitation only and is normally limited to citizens of the NATO nations.

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Preface

This directory resulted from a joint effort by the Advisory Group for Aerospace Research and Development (AGARD) Technical Information Panel. It serves as a reference guide to defense and aerospace information centers. A description of the characteristics of defense and aerospace information centers located in NATO nations **is** provided for your use. There are ten data fields noted.

Information centers from fourteen countries and some international organizations are included. The directory is distributed to NATO countries as an unclassified, unlimited publication.

Please note that there is a submission/change form at the end of the directory for your use in updating **or** adding new information centers.

Préface

Cet annuaire résulte d'une initiative de la part du Panel AGARD de l'information technique (TIP). Il sert de guide de référence aux centres d'information de la défense et de l'aérospatiale civile. Il fournit la description des caractéristiques de ces centres dans les différents pays de l'OTAN. Il contient dix champs de données.

Des centres d'information situés dans quatorze pays et dans certaines organisations internationales y sont inclus. L'annuaire est diffusé dans les pays membres de l'OTAN en **tant** que publication sans classification et sans restriction.

Veillez noter qu'un formulaire de transmission/changement d'adresse est inclus à la fin de l'annuaire afin de permettre la mise à jour et l'ajout de nouveaux centres d'information.

Technical Information Panel

Chairman: Ms. Gladys Cotter
Assistant Director for Information
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National Biological Service,
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1849 C Street, N.W.
Washington, DC 20240
UNITED STATES

Deputy Chairman: Mr. Paul Ryan
Deputy Administrator
Defense Technical Info. Center
Cameron Station
Alexandria, VA 22304-6145
UNITED STATES

Sub-Committee on Directory of Defense and Aerospace Information Centres

Director:	Mr. Paul Ryan	(US)
Vice-Director:	Cdt. J. Sterken	(BE)
Members:	Mr. M. Brandreth	(CA)
	Mr. J. Villain	(FR)
	Lt. P. Karandreas	(GR)
	Mr. P. Hoogenberg	(NE)
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7 rue Ancelle
92200 Neuilly-sur-Seine
France

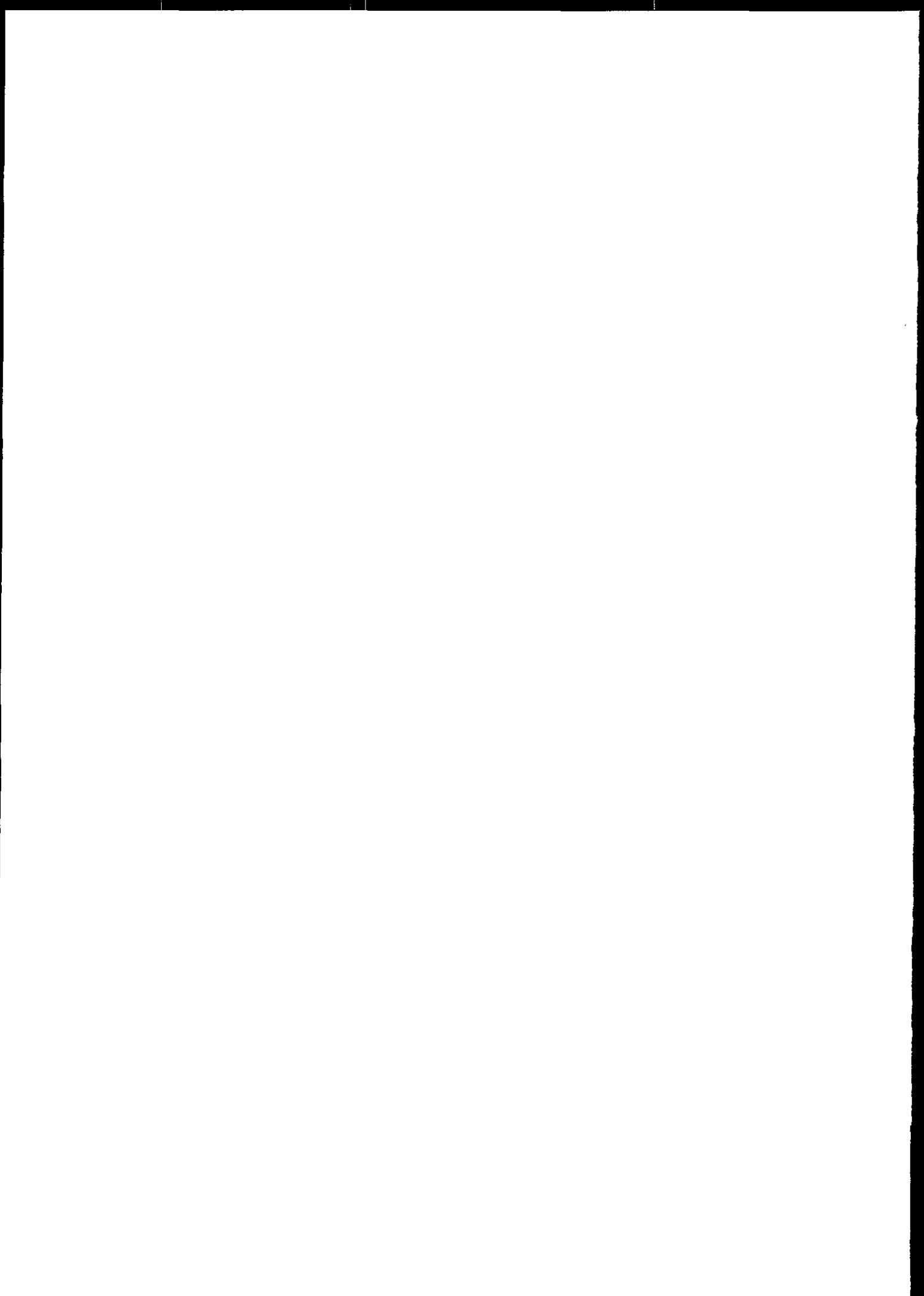
Mail from **US** and Canada:
AGARD-NATO/TIC
PSC 116
APO AE 09777

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**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
BELGIUM**

ORGANIZATION

TITLE: Centre National de Documentation Scientifique et
Technique (CNDST)

ADDRESS: Bibliotheque Royale
Boulevard de L' Empereur 4
B 1000 Bruxelles

PHONE NUMBER: 32 (2) 519-5640

FAX NUMBER: 32 (2) 519-5679, 519-5645

E-MAIL:

KEY CONTACTS: Mr. E. Lapeysen, and Mrs. I Clemens

Representing the following hosts in Belgium. ESA
IRS; QUESTEL; STN

DESCRIPTION: The CNDST has access *to* more than 1500 databases on the most diverse range of subjects from all over the world. To retrieve older literature we carry out an additional manual search in the most relevant printed reference works. If you have problems in finding the original document we can advise you where it can be obtained or order a copy for you. We are the Belgian national help desk for the host systems we represent and we'll be glad to assist with any problem.

The CNDST is also the National Aerospace Centre (NAC) in Belgium for the European Space Agency (ESA).

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
BELGIUM**

ORGANIZATION

TITLE: KMS - ERM Library

ADDRESS: Av de la RENAISSANCE Ln 30
B-11.40 BRUSSELS BELGIUM

PHONE: NUMBER: 32 (2) 737-6270

FAX NUMBER: 32 (2.) 737-6213

E-MAIL : library@rma.ac.be

KEY CONTACTS: J. Sterken

MAJOR PRODUCTS: Classical Library Services

DESCRIPTION:

Library:

- * Automation has started DOBIS-LIBIS
- * 100,000 vol. Scientific and Technical Books and Periodicals
- * Theses (4,000)
- * Biggest part of the collection is of general academic interest
- * Different CD-ROM STI databases (bibliographic, factual, full text)

General Scope:

- * The Royal Military Academy stands for a high level academic education on social sciences, applied and exact sciences

Research:

- * Small research projects are taken on in different fields on a regularly basis for civil, defense and aerospace purposes. Focal points are:
 - * Ballistics: small arms
 - * Physics: contribution to the European Research Projects of Nuclear Fusion
 - * Mechanics: flight mechanics, propulsion lubricants

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
BELGIUM**

**DESCRIPTION
CONTINUED:**

Research:

- * Electronics: Image Processing
- * Microwaves
- * Sensors

**DIRECTORY OF DEFENSIE AND AEROSPACE INFORMATION CENTERS
CANADA**

ORGANIZATION

TITLE : Directorate Scientific Information Service (DSIS)

ADDRESS : Research and Development Branch
Department of National Defence
MGen George Pearkes Bldg.
Ottawa, Ontario, Canada KIA OK2

PHONE: NUMBER: (613) 995-2971

FAX NUMBER: (613) 996-0392

E-MAIL: Mike.Schryer@crad.dnd.ca
Janet.Cathcart@crad.dnd.ca

KEY CONTACTS: M.J. Schryer - Director (613) 992-2033
J. Cathcart - Head, Information Services
(613) 992-2248

ACCESS

LIMITATIONS: DSIS products/services are available to the Canadian defence community. Requests from the international community are handled in accordance with established agreements.

SUBJECT

COVERAGE: The subject coverage includes aeronautics, applied sciences, communications, computer science, engineering, medical and biological sciences, military science, physical sciences, social and behavioral sciences.

MAJOR PRODUCTS: * automated literature searches
* DSIS Alert (current awareness service)
* DSIS database on CD-ROM: CANDID onsur CD-ROM
* bibliographic tape exchange with national defence information services

DESCRIPTION: The Directorate Scientific Information Services (DSIS) is the Department of National Defence service

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
CANADA

DESCRIPTION
CONTINUED:

which acquires, stores, retrieves, and announces defence-related scientific and technical information, especially reports which are classified or limited in distribution. DSIS provides a unique information resource of over one million documents. These documents include DND scientific and technical reports produced by the Defence Research Establishments, other DND directorates, DND contractors; and defence documents from other Canadian government departments, agencies and universities. DSIS also collects foreign defence documents issued under the auspices of NATO, AGARD, TTCP and other international agreements. DSIS records and accesses the collection through the use of an in-house on-line database (CANDID). DSIS, as the national defence scientific information service, provides services and liaison activities to the international defence community.

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
CANADA**

ORGANIZATION

TITLE: J. H. Parkin Branch, Canada Institute for Scientific and Technical Information, National Research Council Canada

ADDRESS: CISTI J. H. Parkin Branch
Bldg. M-2, National Research Council of Canada
Ottawa. Ontario CANADA K1A 0R6

PHONE: NUMBER: (613) 993-9361

FAX NUMBER: (613) 952-7158

E-MAIL: KathyWallace@NRC.CA
Joan.Leonardo@NRC.CA

KEY CONTACTS: Kathy Wallace - Branch Head (613) 993-5290
Joan Leonardo - Head, Information Services
(613) 993-2757

ACCESS

LIMITATIONS: Limited distribution reports are available to individuals with appropriate security clearance. Requests from the international community are handled in accordance with established agreements.

SUBJECT

COVERAGE: Aeronautics, mechanical and structural engineering, railway and road transportation, tribology, fuels and lubricants, hydraulics.

MAJOR: PRODUCT§: * literature searches
* document delivery
* referral services

DESCRIPTION:

The Canada Institute for Scientific and Technical Information maintains Canada's largest collection in the fields of science, technology and medicine. The J.H. Parkin Branch is the largest of 15 CISTI Branch

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
CANADA**

DESCRIPTION

CONTINUED:

libraries and is a depository for unclassified NASA publications. **CISTI** also has comprehensive holdings of reports issued by AGARD, AIAA, SAE, ASME, **SME**, RAE and DRA.

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
DENMARK**

ORGANIZATION

TITLE: Danish Defence Research Establishment

ADDRESS: Ryvangs Alle 1, Postboks 2715
DK 2100
København, Denmark

PHONE: NUMBER: 011 45 3927 2233

FAX NUMBER: 011 45 3120 3315

E-MAIL: ed@ddre.dk

KEY CONTACTS: Erik Dannenberg

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
FRANCE**

ORGANIZATION

TITLE: CEDOCAR

ADDRESS: 2, bis rue Lucien Bossoutrot
00460 Armees France

PHONE NUMBER: 33 (1) 45 52 45 02

FAX NUMBER: 33 (1) 45 52 45 79

E-MAIL:

KEY CONTACTS: ICA Alain MacLeod

MAJOR PRODUCTS: * Bibliographic on-line databases.
* Standard or personalized documentary studies,
library searches, descriptive bulletins.
* Supply or loans of documents.

DESCRIPTION: The Armament Resource Center (CEDOCAR) is responsible for seeking and satisfying the needs of the Ministry of Defense. It is also responsible for the administrations and organizations approved by the Minister of Defense for scientific, technical, industrial, economic, and financial information of any nature concerning armament.

The CEDOCAR belongs to the DGA (General Delegation for Armament) of the Ministry of Defense, it is attached to the DRET (Directorate of Research and Techniques of Armament). Its manpower is 230 people and its annual budget is 100 million Francs.

The CEDOCAR has a media library where the users can consult documents and borrow or reproduce certain ones from among them. The media library holds collections of periodicals, standards, patents, congressional reports, theses, and technical works and reports.

DIRECTORY OF DEFENSIE AND AEROSPACE INFORMATION CENTERS FRANCE

DESCRIPTION CONTINUED:

The CEDOCAR compiles a bibliographical database which covers all disciplines concerning armament. The notes are written in French and refer to open documents compiled in various languages, mostly in English.

The CEDOCAR is also a host center of bibliographical databases: the above-mentioned CEDOCAR database; AERO database and also databases for which it has acquired a user license: NTIS, INSPEC, METADEX, MATBUS, COMPENDEX, EIMEETLNGS, DMT and JAPINFO.

The CEDOCAR has document collections whose information is reserved to competent users having the need to know.

The CEDOCAR creates and distributes documentary products, periodic lists of thematic bibliographical references, standard or personalized, and library searches. It also carries out documentary studies.

Finally, the CEDOCAR is a technical center for documentary information which offers technical assistance and ensures training activities to the profit of the units of documentation of the establishments of the DGA.

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
FRANCE**

ORGANIZATION

TITLE: Societe Europeenne De Propulsion (SEP)

ADDRESS: 24 rue Salomon de Rothschild
92150 Suresnes France

PHONE NUMBER: 33 (1) 47 28 65 63

FAX NUMBER: 33 (1) 46 37 02 60

E-MAIL:

KEY CONTACTS: Jacques Villain

MAJOR PRODUCTS: Propulsion for space and missiles composite materials.

DESCRIPTION: Technological, economical and strategical information is shared in 3 sites: Suvresnes, Bordeaux (military) and Vernon (civil space). For that we have 22 persons and our budget is about 0.3% of turn over. We manage about 600 magazine subscriptions. Principal data bases are ESA/IRS, NASA, NTIS, French and int'l patents D.B, Dun and Bradstreet.

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
FRANCE****ORGANIZATION**

TITLE: ONERA (Office National d'Etudes et de Recherches
Aérospatiales)

ADDRESS: 29, avenue de la Division Leclerc
BP 7%
92322: Chatillon Cedex
France

PHONE NUMBER: 33 (1) 46 73 37 99

FAX NUMBER: 33 (1) 46 73 41 41

E-MAIL:

KEY CONTACTS: Mme Françoise Lhullier

MAJOR PRODUCTS: * Bibliographic data base
* Library search
* Loans of documents
* .Reproduction of documents
** Bulletin de la Bibliothèque
** Bulletin Intérieur d'Information
** Technical notes and publications
** Activities
** Print out of documents presented at congresses
or published in reviews
** Nouvelles de l'ONERA
** Recherche Aérospatiale (review edited with
Dunod)

DESCRIPTION: This Documentation Department was founded in
1950. Its purpose is mainly scientific, we also
provide administrative and law documents.

** 160,000 scientific and technical reports
** 13,000 microfiche

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS FRANCE

DESCRIPTION CONTINUED:

- ** 850 subscriptions (serials) but 1,200 titles in our inventory
- ** 1,000 dictionaries and mathematical tables
- ** 40,000 books
- ** 120,000 bibliographic references in our database

SUBJECT COVERAGE:

The main subject areas in our collection are: aerospace sciences, aeronautics, aerodynamics, propulsion energetics, optics, physics acoustics, computer science, chemistry, metallurgy, wind tunnel tests, and mechanics.

ACCESS:

The library is dedicated to the ONERA's customers, however, help is provided to librarians outside the disciplines of aeronautics and space. Students from universities and scientific schools also consult this library.

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS GERMANY

ORGANIZATION TITLES: Streitkraefteamt / Abt. III
Fachinformationszentrum der
Bundeswehr (FIZBw)

ADDRESS: Friedrich-Ebert-Allee 34
53113 Bonn
Germany

PHONE NUMBER: 49 (228) 947-1374

FAX NUMBER: 49 (228) 947-1385

E-MAIL:

KEY CONTACTS: Col. Dr. Hans-Juergen Rautenberg
(Head)

ACCESS LIMITATIONS: Access to FIZBw is possible for the Federal MoD and its subordinate offices and commands, all agencies of the Federal Armed Forces (FAF); the legislative bodies of the Federal Republic and the Laender, the Supreme and Higher Federal Authorities, NATO agencies, Allied Armed Forces. Special regulations apply for 'non-governmental' organizations, e.g., FAF contractors for R&D purposes.

SUBJECT COVERAGE: Defense-related information, e.g., defense policy, strategy, tactics, armament, military training and education, leadership, psychology and medicine. Research and technology in military related scientific and technical areas such as weapons, electronics and communications, aerospace, ships, materials, economy, management and logistics.

MAJOR PRODUCTS: Automatic Information Service (INFO Series and INFO Special Editions), Military Medicine and Defense Technology Research Reports, Special Report Series, List of Test Reports.

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS GERMANY

MAJOR SERVICES: Information Retrieval in internal and external databases, Current Awareness and Ad hoc Services, SDI Service, Full Text Copies.

DESCRIPTION: FIZBw serves as the central agency for documentation and information within the authority of the German MOD. In 1993 it became Division III of the Federal Armed Forces Office. Its mission includes the following main tasks:

- * To procure, select and process documents/pieces of literature, particularly of research reports and studies emanating from the defense community and contractors;
- * To build-up and maintain the central database where all 'document descriptions' are stored;
- * To build-up and maintain the document master collections (hard copies and microfiches);
- * To render Automatic Information Services in the form of periodically published abstract journals (INFO Series) and subject related bibliographies (INFO Special Series);
- * To render Demand Information Services upon specific user request with subsequent supply of updated information (SDI Service) if requested;
- * To supply full text document copies (hard copy or microfiche);
- * To procure documents via other technical information agencies in Germany or abroad

Input to the database is provided by FIZBw itself and so-called 'decentralized documentation units.' Additionally, selected documentation organizations not belonging to the defense

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS GERMANY

DESCRIPTION CONTINUED:

community, but specialized in certain defense-related disciplines, as well as professional on-pay contributors, work on a contract basis for the center. The data are stored on an IBM mainframe computer at the computation center of the Bundeswehr in Koblenz. The retrieval language is STAIRS. On-line literature searching can be performed in 11 national and international hosts. In its own databases FIZBw stores about 600,000 records of which 66,000 were compiled by the former NVA. About 520,000 documents are available as hard copies or microfiches. Numerous users within the FAF are provided with on-line access to the host computer.

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
GERMANY**

ORGANIZATION

TITLE: Fachinformationszentrum Karlsruhe, Gesellschaft für wissenschaftlich-technische Information mbH

ADDRESS: 76344 Eggenstein-Leopoldshafen, Germany

PHONE NUMBER: +49/(0)7247-808 200

FAX NUMBER: +49/(0)7247-808 132

E-MAIL: cc@fiz-karlsruhe.de

KEY CONTACTS: Mrs. Dr. A. Jacobs; Dipl. Phys. H. Meier

MAJOR PRODUCTS: DELURA(German Aerospace) Database including on-line service via STN international and database searches, SDI, bibliographies, etc.

DESCRIPTION: The DELURA Database comprises aerospace documents (reports, journal articles, books, conference papers, patents, theses, etc.) published in Germany. The annual growth is about 4,000 documents and the database is available on STN International for German users at the end of 1993.

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
GREECE**

ORGANIZATION

TITLE: National Documentation Centre (NDC)

ADDRESS: 48, Vas. Constantinou Avenue,
GR-116-35, Athens, Greece

PHONE NUMBER: (+301) 7246825, (+301) 7249029

FAX NUMBER: (+301) 7246824

E-MAIL: ekt@isosun.ariadne.t.gr

KEY CONTACTS: E. Bouboukas, Director
F. Tsimpoglou, Project Manager

MAJOR PRODUCTS: Production of the following databases:
* Union List of Periodicals of the Greek Scientific
Libraries (19,000 titles, 104 Libraries
cooperating).
* Greek Dissertation Index (2,500 records)
* On-going Research Projects (2,600 entries on
projects carried out by Greek Research Institutes,
Universities and Industries)
* Development, production and distribution of
Library Software: ABEKT.

MAJOR SERVICES: On-line search and retrieval services from more
than 1,000 international and national databases,
document ordering and delivery, photocopying,
library services (1,800 titles of scientific journals).

DESCRIPTION: NDC, established in 1980, operates under the
auspices of the General Secretariat of Research and
Technology of the Ministry of Industry, Energy and
Technology. Its activities include:

Information search, retrieval and related services
Database production

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS GREECE

DESCRIPTION CONTINUED:

- * Database hosting, on NDC's HERMES" host computer
- * Library services
- * Library networking and support
- * Participation in the following EEC Programmes:
VALUE II, STRIDE, IMPACT 2 (NFP/NAP)
NDC's objectives include the development of infrastructure to support the scientific and technological information flow at national level, the stimulation of the Greek information market, and the improvement of scientific information exchange with other nations.

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTER!;
GREECE**

ORGANIZATION

TITLE : Technical Chamber of Greece (TEE)
Documentation and Information Unit

ADDRESS: 23-25 Lekka Street
Athens, Greece

PHONE NUMBER: +30 1 3254591 -9 ext. 70
+30 1 3291706

FAX NUMBER: +30 1 3237525

E-MAIL :

KEY CONTACTS: A. Solomou - Director

SUBJECT

COVERAGE: Geology, Town Planning, Energy, Environment,
Chemistry, Engineering, Physics, Computer Sciences,
Materials.

MAJOR PRODUCTS: Production of a bibliographic database, including all
new studies, Conferences, Seminars, General and
Scientific editions of TEE "Technical Chronica", other
Greek technical journals, Greek dissertations.

TEE database is on-line available via the Host
HERMES of National Documentation Centre.

MAJOR SERVICES: Library Services (1,000 journal titles, 43,000 books),
On-line search and Retrieval Services from more
than 7 Hosts and 700 databases.

DESCRIPTION: The Documentation and Information Unit of
Technical Chamber of Greece (TEE) was established
in the middle '70s. Its objectives are the support of
TEE members in their scientific tasks.

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS ITALY

ORGANIZATION

TITLE: C.I.R.A. (Italian Center for Aerospace Research)

ADDRESS: Via Malorise - 81043 - CAPUA (CE)-ITALY

PHONE NUMBER: +39-823-623111

FAX NUMBER: +39-823-022024

E-MAIL:

KEY CONTACTS: Dr. Ferruccio Diozzi +39-823-629119

MAJOR PRODUCTS: Aerospace Research

DESCRIPTION: CIRA is an Aerospace Research Center founded in 1984. CIRA main goals are:

- * applied research to meet industries technological to provide scientific support and technical assistance to government and industries;
- * qualified services such as supercomputers and experimental testing facilities together with qualified expertise;
- * research coordination in order to promote know how exchange between academies and industries;
- * since December 1992 CIRA has 126 employees.
- * In the next five years this number is expected to be 500 employees.

Documentation Center:

The main aim of the CIRA Documentation Center is management, retrieval and the dissemination of technical and scientific information for the CIRA researchers and for the Italian aerospace community. The Documentation Center has:

- * technical library
- * on-line references service
- * off-line documents retrieval service
- * publishing

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
ITALY**

DESCRIPTION

CONTINUED:

Documentation Center carries on research activities in library and information science, especially for information management.

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
NETHERLANDS**

ORGANIZATION

- TITLE:** National Aerospace Laboratory (NLR)
Library and Documentation Department
- ADDRESS:** P.O. Box 90502, 1006 BM Amsterdam, The
Netherlands
- PHONE NUMBER:** 31 (20) 5113113 (Operator, Amsterdam)
31 (5274) 8317 (Librarian)
31 (20) 5113214 (Information Specialist)
- FAX NUMBER:** 31 (20) 5113210
- E-MAIL:**
- KEY CONTACTS:** Mr. R. Lammers (librarian)
Ir. A.S.T. Tan (information specialist)
- MAJOR PRODUCTS:** * Library acquisitions list (weekly)
* Coming conferences/meetings list (twice a year)
* Subject searches
- DESCRIPTION:** NLR is the central institute in the Netherlands for aerospace research. Its principal mission is to render support and technical assistance to industries and organizations, civil and military aircraft operators and governmental agencies concerned with aviation and spaceflight. The department maintains an up-to-date collection of reports and publications in support to the NLR staff performing national and international ongoing contract research projects on aerospace and related subject fields, such as theoretical and experimental fluid dynamics, structures and materials, aircraft development and operations, space technology and remote sensing, information systems and software engineering. An on-line database is maintained containing more than 60,000 records referring to documents acquired worldwide through ordering

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
NETHERLANDS**

DESCRIPTION

CONTINUED:

and exchange agreements. The department participates in national and international lending systems and also fulfills a national task to acquire reports within the scope of aerospace from other Dutch organizations for input purposes into international oriented databases such as, NASA and NTIS files.

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS NETHERLANDS

ORGANIZATION

TITLE: Scientific and Technical Documentation and
Information Centre of the Netherlands Armed Forces
(TDCK)

ADDRESS: IDL/TDCK
P.O. **Box** 20701
2500 **ES** The Hague
The Netherlands

PHONE NUMBER: 31 15 152 691

FAX NUMBER: 31 15 152 728

E-MAIL:

KEY CONTACTS: Ir. J.W.A. Boss van Charante Head
Ir. B.W.A. Zijlstra, Deputy

MAJOR PRODUCTS: * Current Awareness Bulletins in 15 sci. and/or
tech. fields
* Acquisition lists of selected reports
* Bibliographies
* On-line database for scientific and technical
* information

DESCRIPTION: The objective of TDCK is to support the work of the
Ministry of Defence by providing to its employees
documentary information (mainly in the form of
journal articles and reports) that serves the
technical, management and scientific needs of the
users.

This objective is accomplished by:

- * Selection of documentary information on
subjects relevant for the Defence organization.

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
NEW ZEALAND

DESCRIPTION
CONTINUED:

- * Acquisition of this information.
- * Cataloging, indexing and abstracting to make the information readily available to users in comprised form.
- * Dissemination of documentary information by producing an on-line bibliographic database, publishing 16 different current awareness bulletins.
- * Document delivery (reports and journal articles) to employees of the Ministry of Defence.

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS NORWAY

ORGANIZATION

TITLE: Technical University Library of Norway

ADDRESS: Hoegskoleringen 1, 7034 Trondheim, Norway

PHONE NUMBER: +47 73 59 51 10

FAX NUMBER: +47 73 59 51 03

E-MAIL:

KEY CONTACTS: Randi Gjersvik, Director of the Library
Aud Lamvik, Information Retrieval
Bjorn L. Hegseth, Document Delivery, Interlibrary Loan

MAJOR PRODUCTS: Information retrieval, document delivery, interlibrary loan.

DESCRIPTION: Collections and services: More than 1 mill. bound volumes of books and periodicals. 3.4 million patents and standards, about 250,000 research reports on microfiche, about 7,000 current periodicals. CD-ROM and video. 250,000 loans in 1993.

The Technical University Library of Norway (NTUB) is the national resource centre within technology and architecture. It serves universities, research institutions, industry, other libraries, the community. INFOSOEK is a special department which offers services in information retrieval.

Norsk DIANE Senter (Norwegian DIANE Centre) is an independent unit, situated at NTUB. It offers advice and information on the use of information databases and information retrieval. This is done both by personal contacts, by courses, and through papers.

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
NORWAY**

DESCRIPTION

CONTINUED:

The library is the national centre for the European Space Agency Information Retrieval Service. It is also an EU IMPACT NAP (National Awareness Partner) center.

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
PORTUGAL**

ORGANIZATION

TITLE: Airports & Air Navigation, ANA-EP

ADDRESS: Rua D - Edificio 121
Aeroporto de Lisboa
1700 Lisboa - Portugal

PHONE NUMBER: +351 1 808044

FAX NUMBER: +351 1 804344

E-MAIL:

KEY CONTACTS: Madalena Oliveira

SUBJECT COVERAGE: Airports and Air navigation

**MAJOR PRODUCTS
AND SERVICES:**

- * Bibliographic database on airports and air navigation
- * On-line database search service:
- * Document delivery;
- * Interlibrary loans.

DESCRIPTION: To provide scientific and technical information on the subject covered to management directors and airport and air navigation staff.

DIREXTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS PORTUGAL

ORGANIZATION

TITLES: Centiro de Documentação Força Aérea
- CDFA Air Force Documen'tation Centre

ADDRESS: Av. Leite de Vasconcelos
Alfragide
2700 Amadora - Portugal

PHONE NUMBER: +351 1 4115794 ext. 3265/3276

FAX NUMBER: +351 1 4712223

E-MAIL:

KEY CONTACTS: Capt. Francisco Labela

SUBJECT

COVERAGE: Multi-disciplinary library

MAJOR PRODUCTS AND SERVICES:

- * Information retrieval from in-house bibliographic database and CD-ROM;
- * Selective Dissemination of Information;
- * New acquisitions bulletin;
- * Reading room and loans desk;
- * Documentation and information interchange with external institutions based on **AGARD** reports;
- * Periodicals circulations;
- * Document delivery (periodicals, AGARD, Technical Orders).

DESCRIPTION:

According to its terms of reference, the PoAF Documentation Centre has the following main tasks:

- * To purchase, process and manage the scientific and technical documentation and information necessary to support operational activities, staff training and the management of human, material and financial resources:

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS PORTUGAL

DESCRIPTION CONTINUED:

- * To purchase, control and distribute all technical orders related with aircraft and weapons systems;
- * To support all POAF branches in terms of scientific, technical and legislative documentation and information, by means of general and selective dissemination;
- * **To** organize and control local libraries and information nucleus;
- * To study and propose the establishment of links with other documentation and information structures, either military or civilian, national or international.
- * In terms of organization, CDIFA is composed of the POAF Main Library, Information Services Sector, Documentation Analysis Sector and a Technical Orders Sector.

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
PORTUGAL****ORGANIZATION**

TITLE: Centro de Medicina Aeronautica - CMA
Portuguese Air Force Aeromedical Center

ADDRESS: Azinliaga da Torre do Fato
1600 Lisboa

PHONE NUMBER: +351 1 7593165 / 7575505 ext. 3444

FAX NUMBER: +351 1 1570339

E-MAIL:

KEY CONTACTS: Emilia Conceição

**ACCESS
LIMITATIONS:** Eventual limitations on a case-by-case basis

**SUBJECT
COVERAGE:** Aerospace and Aviation Medicine, General
Medicine

**MAJOR PRODUCTS
AND SERVICES:**

- * Information retrieval from in-house
database and CD-ROM
- * General and Selective dissemination of
information;
- * Document delivery;
- * Reading room and loans desk;
- * Periodicals circulations.

DESCRIPTION: The Medical Technical Library supports the PoAF
Hospital, Aeromedical Center and Psychology Center
Its main goal is to supply Scientific and Technical
Information to all medical doctors, psychologists,
nurses, and health technicians.

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
PORTUGAL**

ORGANIZATION

TITLE: Instituto da Defesa Nacional - Centro de Documentação
Institute of National Defense - Documentation Center

ADDRESS: Calçada das Necessidades, 5
1300 Lisboa

PHONE NUMBER: +351 1 601079 / 601516

FAX NUMBER: +351 1 3966480

E-MAIL:

KEY CONTACTS: Captain (Navy) Baptista dos Santos / Dr. Helena Barreira

ACCESS LIMITATIONS: Mainly MoD, military institutes and university entities

SUBJECT COVERAGE: Internacional policy, Strategy, Economics, Social/Cultural and Military matters related to defence and security.

MAJOR PRODUCTS AND SERVICES:

- * Information retrieval from bibliographic databases on subjects above referred.
- * Documentation and information exchange (internal and external);
- * Reading room and loans desk
- * Editions of reviews and periodical publications.

DESCRIPTION: The documentation center comprises the library and the database center.

The main task is to provide means of study and research to the institute staff members, to the

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
PORTUGAL**

**DESCRIPTION
CONTINUED:**

auditors of the defence courses, and, to exchange information with university and military entities.

The institute is also responsible for editing the quarterly "Nação e Defesa" and publications in the series, "Colecção Defesa Nacional."

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS PORTUGAL

ORGANIZATION

TITLE: INETI - Instituto Nacional de Engenharia e
Tecnologia Industrial

ADDRESS: Estrada do Paco do Lumiar
1699 Lisboa Codex - Portugal

PHONE NUMBER: +351 1 7165141/7164211/7165181/7162712
ext. 2984 or 2987

FAX NUMBER: +351 1 7164732

E-MAIL: CIT%SERVO1.LNETI.PT@PTEARNCE.FC.UL.PT

KEY CONTACTS: Dr. Ana Maria Ramalho Correia

**ACCESS
LIMITATIONS:** Access limited only by ability to pay

**SUBJECT
COVERAGE:** Science and Technology

**MAJOR PRODUCTS
AND SERVICES:**

- * INFOLNETI database (35,000 records covering mainly Science and Technology);
- * Advanced Training in Information Management;
- * Information Intermediaries for Industry;
- * MSc Information Management (in collaboration with University of Sheffield, United Kingdom);
- * Reading Room;
- * Document delivery (from internal and external sources);
- * On-line database search services (from internal and external databases);
- * National Focal Point/National Awareness Partner of the EU Programme IMPACT 2.

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS PORTUGAL

DESCRIPTION:

The Technical Information Center for Industry of INETI goal is to optimize the transfer of information for industry. At an internal level, the Technical Information Center for Industry allows the researchers and technical staff of INETI access to information sources which are important to their research, development and demonstration activities, through central library services, on-line databases searches, current awareness, and selective dissemination of information.

At an external level, the technical Information Centre for Industry grants the same services to the scientific community, in general, and in addition aims to serve the business community with products and services that specifically relate to them, such as:

Reference services for information sources

Fast question/answer services

Information Dossiers/Information Packs

For a specific problem, one can collect, analyze and interpret the relevant information available either in the country or abroad so as to build the knowledge basis or "intelligence" required to take informed decisions.

Training and Awareness

The Technical Information Centre for Industry provides a wide range of training and awareness actions in the use and management of information:

- * Seminars for the diffusion of information sources and services.
- * Seminars to demonstrate how to use the on-line databases available.

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
PORTUGAL**

**DESCRIPTION
CONTINUED:**

**Advanced Training in Information
Management**

The MSc in Information Management, in collaboration with the University of Sheffield, United Kingdom, is a co-organizer of the Msc in Electronic Information Management, within the framework of the EU impact2 programme.

Information on IMPACT 2 Programme

The Technical Information Centre for Industry has firsthand access to information about the IMPACT 2 programme activities and opportunities through a close collaboration with the Central Support Team in Luxembourg.

Information about "calls for proposals" and "calls for tenders" in the information services area is disseminated to target-groups, according to interest, through mailings, seminars and workshops and to all those who contact CITI directly.

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
PORTUGAL**

ORGANIZATION

TITLE,: Instituto de Altos Estudos da Forca Aerea - IAEFA
Portuguese Air Force Air War College

ADDRESS: Base Aerea n^o 1
Granja do Marques
2710 Sintra

PHONE NUMBER: +351 1 9271198 / 9271197

FAX NUMBER: +351 1 9270597

E-MAIL :

KEY CONTACTS: Cor. Martins Rodrigues / Maj. Ramiro Santos

**SUBJECT
COVERAGE:** Multi-disciplinary library

**MAJOR PRODUCTS
AND SERVICES:**

- * Bibliographic database on:
- * Defense Policy;
- * Strategy;
- * Alliances;
- * Air Power employment doctrine;
- * Strategic offensive;
- * Defensive counter air;
- * Offensive counter air;
- * Air interdiction;
- * Close air support;
- * Battlefield air interdiction;
- * Air transport;
- * Special operations;
- * ,Search and rescue;
- * Anti air warfare;
- * Anti surface warfare;
- * Anti submarine warfare;
- * Air refueling;
- * ,Suppression of enemy air defense;
- * .Electronic warfare:

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS PORTUGAL

MAJOR PRODUCTS AND SERVICES CONTINUED:

- * Reconnaissance;
- * Airborne early warning;
- * Weapons systems (platforms and armaments);
- * Command, control and communications systems and equipment;
- * Command and leadership;

DESCRIPTION:

The Air War College mission statement is to provide staff training for middle and high ranks of Portuguese Air Force officers.

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
PORTUGAL****ORGANIZATION****TITLE:** OGMA - Oficinas Gerais de Material Aeronautico**ADDRESS:** OGMA
2615 Alverca**PHONE NUMBER:** +351 1 9580401 / 9581288**FAX NUMBER:** +351 1 9270597**E-MAIL:****KEY CONTACTS:** Col. Eugenio Chaveiro**ACCESS
LIMITATIONS:** OGMA's internal use**SUBJECT
COVERAGE:** Aircraft maintenance, manufacturer and
aerospace technology**MAJOR PRODUCTS
AND SERVICES:**

Services based on the following documents:

- * AGARD publications;
- * US technical orders;
- * US military specifications and standards;
- * European standards;
- * Aircraft, engines, accessories, avionics and ground equipment technical data.

DESCRIPTION: To support the engineers and technical staff responsible for:

- * Overhaul and repair of aircraft, engines, accessories, avionics and ground equipment;
- * Manufacture of aircraft components and composite products.

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
SPAIN**

ORGANIZATION

TITLE:

Air University

ADDRESS:

Romero Bobledo, 8
28008 Madrid

PHONE NUMBER:

5440422

FAX NUMBER:

E-MAIL:

KEY CONTACTS:

Exomo Sr. General D. Valerio Delgado Pinto

MAJOR PRODUCTS:

Staff Courses, Promotion Courses

DESCRIPTION:

Monographic textbooks on related subjects.

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
SPAIN**

ORGANIZATION

TITLE : Army Polytechnic University

ADDRESS : Joaquin Costa, 6 - 28002 Madrid

PHONE NUMBER: 561 88 00

FAX NUMBER: 561 88 07

E-MAIL :

KEY CONTACTS: Tcol. Vega Lombana - Cte. Gonzalez Montiel

MAJOR PRODUCTS: Center of Superior Technical Education in
Armament, Material, Equipment and Infrastructures

DESCRIPTION: Training of Engineers and Doctors in Armament and
Material and in Construction and Electricity.

Monographic textbooks on related subjects

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
SPAIN****ORGANIZATION**

TITLE: INTA
AREA DE DOCUMENTACION Y BIBLIOTECA

ADDRESS: Carretera de Ajalvir Km. 4
Torrejon de Ardoz
28850 Madrid

PHONE NUMBER: 34 1 520 18 19

FAX NUMBER: 34 1 520 16 74

E-MAIL: meridaf@inta.es OR meridamf@vega.inta.es

KEY CONTACTS: Ricardo Lopez Velasco
(Head, Documentation and Library)

Fernando Merida Martin
(Head, Grey Literature Library)

MAJOR PRODUCTS: INTA OPAC from 1990 to date
TELEDOCUMENTATION — ESA-IRS National
Delegate
INTA STANDARDS
OTHER STANDARDS
INTA DATABASE

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
SPAIN****ORGANIZATION****TITLE::** Construcciones Aeronauticas S.A. (C.A.S.A.)**ADDRESS:** Dir. Proyectos
Information Center
GETAFE - Madrid Spain**PHONE NUMBER:** 34 (1) 624 25 48**FAX NUMBER:** 34 (1) 624 20 84**E-MAIL:****KEY CONTACTS:** Enrique Garate
Dolores Delueze**MAJOR PRODUCTS:** Journal Bulletin (monthly)
Documentation Bulletin (quarterly)
CASA Database**DESCRIPTION:** Technical Library:

- * Books, journals, technical documents, manuals, standards and specification
- * Bibliographic, automatic Data Bases with
- * approximately 18,000 records. Subject coverage:
- **Aeronautics, Engineering, Materials, Electronics, and Computer Science
- * Full-text Data Base in CD-ROM media of military and aerospace standards and specifications.

**INFORMATION AND
DOCUMENTATION****SERVICE:**

- * On-line access to Data Bases of the following Hosts:
- ** DIALOG, ESA-IRS, CEDOCAR, ECHO
- * Access to the primary document, contract and collaboration with various document distribution

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
SPAIN**

**INFORMATION AND
DOCUMENTATION**

SERVICE CONTINUED: centers
 * ESA, AIAA, BLLD, CEDOCAR, CINDOC.
 *Document Delivery

**DIREXTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
SPAIN****ORGANIZATION****TITLE :** E.N. Santa Barbara**ADDRESS:** Julian Camarillo, 32**PHONE NUMBER:** 5 85 0700**FAX NUMBER:** 3 271 833**E-MAIL:** 48 161CTME**KEY CONTACTS:** Federico Pena (DOCUMENTATION) TEL.NO.:5850366**MAJOR PRODUCTS:** Defense Products**DESCRIPTION :**

- * Arms systems
- * Propellants, explosives and munitions
- * Application of armor
- * Vehicles
- * Special situations

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
SPAIN**

ORGANIZATION

TITLE: Escuela Tecnica Superior de Ingenieros de Armas
Navales

ADDRESS: Arturo Soria, 287 C.P. 28033

PHONE NUMBER: 1 - 3795619

FAX NUMBER: 1 - 3795619

E-MAIL:

KEY CONTACTS: Dr. Manuel Laguna
Mr. Mauricio Bados

MAJOR PRODUCTS: Teaching and Investigation

DESCRIPTION: In this center are developed first, second and third
cycles of superior studies of naval ordnance
engineering.

This center also collaborates with other research
centers in several research fields connected with
defense area.

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
SPAIN****ORGANIZATION****TITLE :** GMV. S.A**ADDRESS:** C/Isaac Newton, II (P.T.M.)
28760 Tres Centos Madrid Spain**PHONE NUMBER:** +34-1-807 21 00**FAX NUMBER:** +34-1-807 21 99**E-MAIL:** raramburu@ gmv.es**KEY CONTACTS:** Rocio Aramburu**MAJOR PRODUCTS:**

- * Flight Dynamics and Avionics
- * Software Engineering
- * Simulation
- * Flight and Ground Operation

DESCRIPTION:

- * This is a small information and documentation service created to give technical support to GMV's projects.
- * To fulfill this purpose it keeps in touch with several Documentation Centres all over the world and it is connected to ESA IRS Database.
- * It subscribes to some 70 journals and distributes a bi-monthly technical information bulletin

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
SPAIN**

ORGANIZATION

TITLE: INASMET

ADDRESS: Camino de Portuetxe 12
Bo de Igara **Apdo.**; 1.689
20009 San Sebastian Spain

PHONE NUMBER: 943-218022

FAX NUMBER: 943-217560

E-MAIL:

KEY CONTACTS: Maite Jimeno

MAJOR PRODUCTS: R&D Materials Technology

DESCRIPTION:

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
SPAIN**

ORGANIZATION

TITLE:: SENER, Technical Industrial and Naval, S.A.

ADDRESS: Avda. de Zugozarto, 56
48930 Las Arenas (Vizcaya)

PHONE NUMBER: 481-7500

FAX NUMBER: 464-1260

E-MAIL:

KEY CONTACTS:

MAJOR PRODUCTS: Engineering

DESCRIPTION: The Documentation Service is a section of SENER, S.A.
Its library, fully automated, contains:

15,000 books
50,000 standards
10,000 reports
350 subscriptions or reviews

It holds contracts with the following distributors:

Dialog, ESA/IRS, Eurobases, ECHO, Spritel, etc.

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS SPAIN

ORGANIZATION

TITLE: Spanish Air Force
MALOG DMA SINGE
Department of Technical Orders

ADDRESS: Cuartel General Del Aire
C/ Romero Robledo No. 8
28008 Madrid Spain

PHONE NUMBER: 07 34 1 549 70 00

FAX NUMBER: 011 34 1 544 42 91

E-MAIL:

KEY CONTACTS: Coronel D. Miguel Canalda Gil

MAJOR PRODUCTS:

DESCRIPTION: The fundamental functions of the Department of Technical Orders are the following:

- * Organization of the System of Technical Orders of the Spanish Air Force.
- * All management of documentation currently in force and the like (acquisition, control and distribution).
- * Organization of the central services of the technical library for the Logistical Support Command (MALOG).
- * Assess, supervise, and receive all requests for technical documentation from the distinct units and organisms of the Air Force.
- * Proportional representation on the Boards, Committees, and Assemblies relative to questions of technical documentation.

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS TURKEY

ORGANIZATION

TITLE: : Technical Documentation and Information Center
(TDEM)

ADDRESS: Ministry of Defense (MSB)
Dept. of R&D (ARGE)
06650 Bakanliklar Ankara Turkey

PHONE NUMBER: 90 312 402 52 17

FAX NUMBER: 90 312 417 54 03

E-MAIL:

KEY CONTACTS: Maj. Salim BICI

MAJOR PRODUCTS: R&D Bulletin
TDEM Bulletin

DESCRIPTION: The TDEM serves as a defense documentation center. Technology industry and engineering are the center's working fields. In the collection of the center there are monographs, journal reports (national reports, NATO, AGARD, and Shape reports), theses, standards, specifications microfilms, microfiches and CD-ROMs. Data searching, dissemination of information on new documents, information retrieval, copying and multiplication, borrowing, publication, user education are in the serving fields of the center. In addition, it is the distributor of the NATO AGARD publications in Turkey. The Center has two CD-ROM databases namely NTIS and NATO-PCO's. automation background is very near has two databases. The center publishes and distributes a monthly bulletin which includes a list of the recently arrived publications. In addition, the center prepares and distributes the Bulletin of ARGE once every two months. The center can link

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
TURKEY**

DESCRIPTION

CONTINUED:

to national and international documentation and
information centers through internet and dial-up.

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS TURKEY

ORGANIZATION

TITLE:: Türkiye Bilimsel ve Teknik Araştırma Kurumu
(TUBITAK), Enformatik Dairesi Başkanlığı (EDB),
Enformasyon Hizmetleri Müdürlüğü (EHM)

The 'Scientific and Technical Research Council of
Turkey (TÜBİTAK), Informatics Division,
Information Services Department

ADDRESS: Atatürk Bulvarı 221
Kavaklıdere
06100 Ankara, Turkey

PHONE NUMBER: (90) (312) 427 23 92

FAX NUMBER: (90) (312) 426 04 89

E-MAIL : ehm@kalkan.tetm.tubitak.gov.tr (Internet)
ehm@trtetm (Bitnet)

WEB ON INTERNET: <http://www.tubitak.gov/>

KEY CONTACTS: Dr. Serhat Çakır,
Director of TÜBİTAK/EDB (90-312-427 23 92)

**ACCESS
LIMITATION :** TÜBİTAK/EDB products and services are available
to all R&D activities in the country (universities,
governmental institutions and industry).

**SUBJECT
COVERAGE:** TÜBİTAK/EDB provides information in all areas of
basic sciences, technology and medicine.

MAJOR PRODUCTS:

- * National Scientific, Technical and Medical
Databases (Bibliographic) (20,000 records)
- * The National Medical Database (Bibliographic)
- * The National Environmental Database
(Bibliographic)

DIRECTORY OF DEFENSE; AND AEROSPACE INFORMATION CENTERS TURKEY

MAJOR PRODUCTS CONTINUED:

- * The Scientific and Technical Events Database
- * Provides national data to the European Education
- * Documentation and Information System
- * Turkish/English Medical Thesaurus
- * Turkish/English Scientific and Technical Thesaurus

MAJOR SERVICES:

- * On-line International Information Retrieval Service
- * CD-ROM Information Retrieval Service
- * National Databases Retrieval Service
- * Document Supply Service
- * Library Service
- * Training, Promotion and Consulting Services
- * Bibliographies relating to scientific, technical and medical research

DESCRIPTION:

Founded in 1966, TÜBITAK/EDB provides information in all areas of basic sciences, technology and medicine. TÜBITAK/EDB is the central point for acquiring, storing, retrieving and disseminating scientific, technical and medical information. It is also the national focal point for international relations.

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
TURKEY**

ORGANIZATION

TITLE:: Yuksekogretim Kurulu
Dokumantasyon Merkezi
Documentation Center

ADDRESS: BILKENT 06539
Ankara Turkey

PHONIC NUMBER: (90) (312) 2664743

FAX NUMBER: (90) (312) 2664745

E-MAIL : AKBULUT@TRYOK

KEY CONTACTS: Prof. Dr. Mustafa Akbulut

MAJOR PRODUCTS: A database for serials, Turkish theses, printed catalogs of theses and subscribed serials.

DESCRIPTION: Established in 1983, the documentation center mainly collects serials. It has a subscription to 10,000 titles covering almost all subjects. Also, since 1987, thesis (MA, MS, Ph.D) prepared at the Turkish universities are collected, reaching over 16,000 at the present. Yearly acquisition is around 4,000. There is a microfiche collection (ERIC) totaling 160,000 items. Some general reference materials are also available. The entire collection consists of over 500,000 items. The center has two databases that can be accessed through the network Thesis and serials, both by title. The services include photocopying, on-line and CD-ROM searching, thesis and serials database which could be accessed through TUVAKA, a network among universities, searching and reference. One of the major services of the center is photocopying. The number of pages yearly provided to researchers are about 900,000.

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS TURKEY

DESCRIPTION CONTINUED:

On-line literature searching is done through DIALOG since 1984. In 1993 ERS and DIMDI were added. Yearly total on-line search number is about 9,000. ERIC, CAB, MEDLINE, BIOLOGICAL

ABSTRACTS, ABI/INFORM and COMPENDEX are used for retrospective searches.

The center gives service mainly to university staff, graduate students, and individuals working in other institutions who need information for research.

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
UNITED KINGDOM**

ORGANIZATION

TITLE : British Aerospace Space Systems Ltd

ADDRESS: Libraries and Information Service

FPC 310	or	F415
PO Box 5		Gunnels Wood Road
Filton		Stevenage
Bristol		Herts
BS12 7QW		SG1 2AS

PHONE NUMBER: +44(0117)9366181 +44(01438)736383

FAX NUMBER: +44(0117)9366819 +44(01438)736637

E-MAIL:

KEY CONTACTS: Alison Cramond Brenda King
Head of Library Librarian
Information Service +44(01438)736383
+44(0117)9366181

ACCESS

LIMITATIONS : Services are generally limited to British Aerospace Space Systems Ltd personnel, University Students with British Aerospace sponsorship and other British Aerospace Company Libraries/Information Centres. Enquiries are accepted from outside if information cannot be found elsewhere. A charge will be levied for extensive enquiries. Outside enquiries must be by letter or fax in the first instance.

SUBJECT

COVERAGE: STEVENAGE: Includes the mission analysis, design, qualification and manufacture of both commercial and military communications satellites plus communications and ground support equipment. Also, satellite launch vehicles to include research into launch and recovering systems.

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS UNITED KINGDOM

SUBJECT COVERAGE CONTINUED:

BRISTOL: 10,000 Volumes, 80 current periodicals. Standards and specifications. Comprehensive collection of NASA & ESA reports. Subject coverage: Space; Satellite Technology; Launch Vehicles; Astronomy; Earth Observation; Remote Sensing & Astrophysics; Health & Safety.

SERVICES:

The BAe Space Systems Ltd. Central Library & Information resource has units on both its Stevenage and Bristol Sites which provide facilities for staff to keep abreast of current technology, update expertise, pursue further research, obtain technical documentation, and assist in the provision of information geared to our specific business environment.

Books, directories, periodicals, external reports, conference proceedings and major abstracting journals of worldwide aerospace published literature are held. Literature searches of in-house stock are carried out from the CAIRS (Computer Aided Information Retrieval System). Our own documentation is supplemented by borrowing from the British Library Document Supply Centre and the librarians maintain contact with many other major industrial/academic libraries in the UK. Literature searches may be conducted on a large number of technical and commercial databases including those available via ESA-IRS and DIALOG.

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
UNITED KINGDOM**

ORGANIZATION

TITLE: : Defence Research Information Centre (DRIC)

ADDRESS: Kentigern House
65 Brown Street
Glasgow G2 8EX
United Kingdom

PHONE NUMBER: +44 (141) 224 2437

FAX NUMBER: +44 (141) 224 2470

E-MAIL:

KEY CONTACTS: Mr. A. P. Beattie, Head of DRIC

ACCESS

LIMITATIONS: Products and services available on a need-to-know basis to the UK Defence community. This community includes Ministry of Defence branches and establishments, armed service units, and military colleges. Organizations working on UK Government defence contracts have access to a more limited range of products and services. DRIC maintains links for technical information exchange between the UK and overseas government agencies.

SUBJECT

COVERAGE: Unpublished or controlled circulation material of defence interest in all areas of science and technology.

MAJOR

PRODIJCTS: Monthly announcement of documents by citation and abstract in Defence Research Abstracts and Standard Profiles (SDI).

Current awareness listings of published literature

Translations of scientific and technical documents

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS UNITED KINGDOM

SERVICES:

Searches of in-house databases and indexes

Provision of controlled circulation documents for MOD UK and its contractors.

Distribution of documents within UK and overseas in accordance with the originator's requirements and security considerations.

Translation of scientific and technical documents.

DESCRIPTION:

DRIC is part of the UK Ministry of Defence Chief Scientific Advisor's organization, and is the central facility for collection, distribution, archiving and dissemination of controlled-circulation scientific and technical material. Such material is usually the result of research, development of trials work. Documents are collected both from the UK and as a result of International Information exchange agreements, and are catalogued and documented by scientific staff, resulting in an in-house database which is exploited in various ways to provide DRIC's information products, but which is not available for on-line access.

Ministry of Defence and Defence Research Agency branches have access to the full range of services detailed above; contractors and organizations working on government projects can also receive certain products.

All products and services are provided on a need to-know basis.

**DIREXTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
UNITED KINGDOM**

ORGANIZATION

TITLE: GEC - Marconi Research Centre

ADDRESS: West Hanningfield Road,
Great Baddow,
Chelmsford, Essex CM2 8HN

PHONE NUMBER: +44 1245 473331

FAX NUMBER: 4-44 1245 475244

E-MAIL:

KEY CONTACTS: **C.J. Bigger**, Chief Librarian

MAJOR PRODUCTS: Monthly technical bulletin. Monthly report bulletin
Six monthly research reports. Technical &
commercial library and information services.

DESCRIPTION: Full library and information service provided to engineers and researchers at the centre and other GEC and Marconi companies. Stocks of relevant journals, books, conferences and reports plus a collection of standards. On-line access to numerous external databases, on-line systems and an internal database running on CAIRS. The centre and the Library cover Electrical/Electronic R&D, communications, computing, radar, avionics, mechanical engineering.

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
UNITED KINGDOM**

ORGANIZATION

TITLE: Ministry of Defence
Headquarters Library Services

ADDRESS: 3-5 Great Scotland Yard
London SW1A 2HW
England

PHONE NUMBER: 0171-218-4445

FAX NUMBER: 0171-218-5413

E-MAIL:

KEY CONTACTS: Chief Librarian
0171-218-0266

MAJOR PRODUCTS:

DESCRIPTION: Library and information services provided to all staff serving in the UK Ministry of Defence. An information and enquiry service is maintained and enquiries dealt with from outside the Ministry. Loans are made to libraries outside government service through national interlibrary loan services.

DIREXTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS UNITED STATES

ORGANIZATION

TITLE: NASA Scientific and Technical Information Program

ADDRESS: NASA Headquarters
Code JTT
Washington, D.C. 20546

PHONE NUMBER: NASA Access Help Desk
(301) 621-0390

FAX NUMBER: (301) 621-0134

EMAIL: via the Internet: help@sti.nasa.gov

KEY CONTACTS:

STI Program Management Team

Sylvia Kramer Act. Dir., Scientific & Technical Informalion Program (202) 358-1397	Richard C. Tuey Resources (202) 358-1395	J. Paul Bennett Ames Research Center (415) 604-5824	Lex O. Pierce Kennedy Space Center (407) 867-2430
Kay Voglewede NASA Liaison (202) 358-1396	Fred Moore Printing Manager (202) 358-1389	Gregory A. Shell Dryden Flight Research Facility (805) 258-3012	Andrew J. Hansbrough Langley Research Center (804) 864-2494
Roland Ridgeway, Acting STI Information Servs.. (202) 358-1397	Carl H. Eberline Center for AeroSpace Information (301) 621-0100	Vacant Goddard Space Flight Ctr (301) 286-8488	Christopher Kennedy Lewis Research Center (216) 433-5980
Vacant Policy and Program Integration (202) 358-1388		Charles B. Chapman, III Jet Propulsion Laboratory (818) 354- 3684	Annette K. Tingle Marshall Space Flight Center (205) 544-4522
vacant International Liaison (202) 358-3063	Joseph A. Langdon NASA Headquarters Library (202) 358-0177	Carol Homan Johnson Space Center (713) 483-0281	Robert Jeffries Stennis Space Center (601) 688-2002

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS UNITED STATES

MAJOR PRODUCTS: NASA STI Program products include the NASA formal report series (Conference Publications, Contractor Reports, Reference Publications, Technical Memorandums, Technical Papers, Technical Translations, and Special Publications) and a wide range of bibliographic tools. Two of the best known and most popular of these tools are STAR (Scientific and Technical Aerospace Reports) and NOVA (NASA Open Volumes on Aerospace). Published monthly, these companion abstract and index journals contain announcements of R&D reports and journals contain announcements of R&D reports and journal articles in 76 aerospace related categories.

NASA STI Program services include information management consultation and such varied tasks as performing literature searches, building databases, providing original photography and graphics, publishing NASA research, creating custom thesauri, and translating documents to or from 34 foreign languages.

DESCRIPTION: Founded in 1958, the National Aeronautics and Space Administration (NASA) is the civilian agency that oversees the internationally renowned U.S. space program. Since its founding, NASA has been dedicated to ensuring U.S. leadership in aeronautics and space science. The NASA Scientific and Technical Information (STI) Program plays an important part in helping NASA maintain that leadership role.

Headquartered in Washington, DC, the NASA STI Program offers researchers access to the largest collection of aeronautical and space science STI in the world. The Program is also NASA's institutional mechanism for disseminating the results of its

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
UNITED STATES**

DESCRIPTION

CONTINUED:

research and development activities.

The NASA STI Program provides access to an array of additional databases around the globe ...

producing an unrivaled aerospace information network. A number of specialized services help round out the Program's diverse offerings.

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
UNITED STATES**

ORGANIZATION

TITLE: Defense Technical Information Center (DTIC)

ADDRESS: Defense Technical Information Center
Cameron Station, Building 5
Alexandria, VA 22304-6145
USA

PHONE NUMBER: +1-800-225-3842

FAX NUMBER: +1-703-617-7718

E-MAIL: ryan@dgis.dtic.dla.mil.us

KEY CONTACTS: Kurt N. Molholm, Administrator
R. Paul Ryan, Deputy Administrator
703-274-6800, 703-274-6882

ACCESS

LIMITATIONS: DTIC products and services are available to DoD and its contractors and to other U.S. Government agencies and their contractors. Organizations may also become eligible for service under the Potential Defense Contractors Program, the Historically Black Colleges and Universities Program, the University Research Initiative Program, or the Small Business Innovation Research Program.

SUBJECT

COVERAGE: Research and technology in all areas of military science such as aeronautics, missile technology, navigation and nuclear science. DoD has a wide interest to include such subjects as: biology; chemistry; energy; environmental sciences; oceanography; computer sciences; sociology; and human engineering.

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS UNITED STATES

MAJOR PRODUCTS AND SERVICES:

- Technical Report database
- Work Unit Information System (WUIS) database
- Independent Research & Development (IR & D) database
- Manpower and Training Research Information System (MATRIS)
- Defense RDT and E On-line System (DROLS)
- Automatic Document Distribution System (ADD)
- DoD Gateway Information System (DGIS)
- Automatic Magnetic Tape Distribution (AMTD)
- Technical Report Database on CD-ROM
- World Wide Web Server

DESCRIPTION:

DTIC is the central point within the Department of Defense (DoD) for acquiring, storing, retrieving and disseminating Scientific and Technical Information (STI). This includes information in support of the DoD research, development, engineering, and studies programs. DTIC also provides direct support to the office of the Under Secretary of Defense for (Acquisition). Other services include: customized subscription products: on-line connection services to other federal, foreign and domestic commercial databases; technical reports, bibliographies and referrals; and access to specialized DoD centers of expertise and information.

DTIC acquires documents and non-print products generated by or for DoD. Among the information DTIC receives are technical reports; technical notes; technical memoranda; bibliographies; documents relating to planned, ongoing, and completed research, development, test, and evaluation; software, data files, and databases; and videotapes.

DTIC's major databases include summary descriptions and references to planned, ongoing, completed, and independent research and development efforts. The Research and Technology Work Unit Information System (WUIS) contains summaries of ongoing DoD research and technology efforts at the work unit level.

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS UNITED STATES

DESCRIPTION CONTINUED:

The Manpower and Training Research Information System (MATRIS) supports technical information needs of the Training and Personnel Systems Technology community. The MATRIS database is only accessible by U.S. Department of Defense organizations.

DTIC's World Wide Web Services are a source for finding information about, and of interest to the United States Department of Defense. The DTIC Web Server may be accessed via the internet using a Web client such as MOSAIC. The universal resource locator is <http://www.dtic.dla.mil>.

DTIC's role is to ensure that all significant scientific or technological observations, findings, recommendations and results derived from DoD endeavors are accessible to authorized users. Services are available to U.S. Government organizations and their contractors. Others register for DTIC services under the Potential Defense Contractors Program, the Historically Black Colleges and Universities Program, the University Research Initiative, and the Small Business Innovation Research Program.

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
UNITED STATES**

ORGANIZATION

TITLE: National Library of Medicine (NLM)

ADDRESS: National Library of Medicine
8600 Rockville Pike
Bethesda, MD 20894

PHONE NUMBER: 301-496-6221
1-800-272-4787 (General information)

FAX NUMBER: 301-496-4450

E-MAIL : smith@lhc.nlm.nih.gov
siegel@nlm.nih.gov

KEY CONTACTS: Kent A. Smith, Deputy Director 301-496-6661
Elliot R. Siegel, Ph.D., Associate Director for Health
Information Programs Development 301-496-8834

ACCESS

LIMITATIONS: NLM products and services are available to individuals and institutional users in the United States and abroad. NLM also serves as a national resource for all U.S. health science libraries.

SUBJECT

COVERAGE: Within its broad mission to collect materials pertinent to medicine, NLM collects scholarly literature in the fields of medicine concerned with the health affects of air and space flight. Basic research materials in space medicine as it applies to human health and physiology are collected, although plant physiology is not. Since NLM's general subject coverage is extremely broad, space medicine may be included in such subjects as biology, medical informatics, behavioral sciences, and human engineering.

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS UNITED STATES

MAJOR PRODUCTS AND SERVICES:

Bibliographic and factual databases on all aspects of medical, health care delivery and research, and toxicology information. These include information related to space medicine. Services include document delivery, historical collections, research and development in medical informatics and biotechnology.

DESCRIPTION:

The National Library of Medicine (NLM) is the world's largest research library in a single scientific and professional field. The Library collects materials exhaustively in all major areas of the health sciences and to a lesser degree in such areas as chemistry, physics, botany and zoology. The collections today stand at 5 million items--books, journals, technical reports, manuscripts, microfilms, and pictorial materials. Housed within the Library is one of the world's finest medical history collections of rare medical texts, manuscripts, and incunabula.

The Library's extensive collections and information services may be used by health professionals and health-science students. Books and journals may be consulted in the reading room; they may also be requested on interlibrary loan.

NLM serves as a national resource for all U.S. health sciences libraries. Lending and other services are provided through a National Network of Libraries of Medicine (NN/LMTM) consisting of 3,500 'primary access' libraries (Mostly at hospitals), 125 Resource Libraries (at medical schools), 8 Regional Libraries (covering all geographic regions of the U.S.) and the NLM itself as a national resource for the entire Network. More than 2 million interlibrary loan requests are filled each year within this Network.

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS UNITED STATES

MEDLARS®

The Library's computer-based Medical Literature Analysis and Retrieval System (MEDLARS®) was established to achieve rapid bibliographic access to NLM's vast store of biomedical information. Over the years of its evolution, MEDLARS has come to represent a family of databases of which the MEDLINE® database is the most well known. Essentially index Medicus, on-line, MEDLINE enables individuals and organizations with computer terminals to query the NLM computer's store of journal article references on specific topics. MEDLINE currently contains seven million references going back to 1966.

All of the MEDLARS databases are available through NLM's on-line network of more than 70,000 institutions and individuals in the United States. They performed some 6 million searches in 1994. User fees are charged by NLM to recover the full costs of providing access to the system. The availability of the user-friendly microcomputer-based access software, GRATEFUL MED®©, has resulted in an upsurge of individual health professionals joining the NLM network. Access to the MEDLINE database is also available through commercial and academic networks, and on CD-ROM from several private companies.

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
UNITED STATES**

ORGANIZATION

TITLE: National Technical Information Service (NTIS)

ADDRESS: 5285 Port Royal Road
Springfield, VA 22161
USA

PHONE NUMBER: 703-487-4650

FAX NUMBER: 703-321-8547 or
703-321-9038

E-MAIL: rbunge@access.digex.net

KEY CONTACTS: Donald R. Johnson, Director
703-487-4636

**ACCESS
LIMITATIONS:** None

**SUBJECT
COVERAGE:** Defense and aerospace coverage include more than 550,000 titles from the National Aeronautics and Space Administration and the Departments of Defense and Energy. The collection also includes other scientific, technical, business and management reports, manufacturing studies, translations of foreign reports, foreign and domestic trade, general statistics, environment and energy, health and the social sciences, and many other areas. Coverage is worldwide; nearly one-third of new titles are from foreign sources.

MAJOR PRODUCTS:

- More than two million technical information items
- NTIS Bibliographic Database
- Federal Research In Progress (FEDRIP) Database
- Government Reports, Announcements, and Index Journal
- Software and computerized data files
- Selected Research in Microfiche

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS UNITED STATES

MAJOR SERVICES: Technical Information Ordering and Delivery.

FedWorld is an on-line information service. It provides a user-friendly, central resource for government information in electronic format. It is accessible from the Internet and by dial-up, at no charge. This gateway to more than 60 different government agencies and program serves clients with limited experience and those that are more sophisticated. The FedWorld Marketplace is a unique area within FedWorld that allows customers to purchase certain products on-line.

DESCRIPTION:

The National Technical Information Service (NTIS) is a self-supporting agency of the U.S. Department of Commerce that actively collects, organizes, and distributes technical information generated by United States and foreign governments in all areas of science and technology. The NTIS collection exceeds two million works, all of which are permanently available. Approximately 90,000 new works are added each year. In addition to printed reports and documents, NTIS provides government generated computer software and computerized data files on tape, diskette, and CD-ROM through its Federal Computer Products Center. In recent years, NTIS has increased its holdings in the area of foreign technology -- up to a third of the reports entering the collection are from foreign sources.

The NTIS Bibliographic Database contains summaries of items in the collection from 1964 to the present. It is updated twice a month and is available on-line via the following vendors: CD-PLUS Technologies (800) 950-2035; Canada Institute for Scientific and Technical Information, (613) 993-1210; Dialog/Data-Star, (800) 221-7754; ESA/IRS in Italy, fax +11 39/6 94180361; NERAC, Inc. (203) 872-7000; Questal.Orbit, Inc. (800) 955-0906; STN International, (614) 447-3600.

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS UNITED STATES

DESCRIPTION

CONTINUED:

On-line access to ongoing U.S. research is available on the Federal Research in Progress (FEDRIP) Database. DIALOG and Knowledge Express offer this database.

NTIS operates the CALS/CE Information Center to promote the widespread understanding, acceptance, and use of CALS principles through an effective flow of CALS-related technical information including standards and specifications, technical reports, training materials, computer data files, and the CALS/CE electronic bulletin board system available on FedWorld.

FedWorld is an NTIS pilot project which provides 1) an electronic gateway to selected U.S. Government systems, 2) other information resources such as databases, software, press releases, and 3) a one-stop shopping center for news about Government reports, software, and CD-ROM projects. The FedWorld Internet address is fedworld.gov.

**DIRECTORY OF DEFENSIE AND AEROSPACE INFORMATION CENTERS
INTERNATIONAL**

ORGANIZATION

TITLE:: Shape Technical Centre

ADDRESS: P.O. Box 2501 CD
The Hague
The Netherlands

PHONE NUMBER: 31 70 3142100

FAX NUMBER: 31 70 3142111/2

E-MAIL: walker@stc.nato.int

KEY CONTACTS: Head, Information and Registry Services

ACCESS

LIMITATIONS: Services are generally limited to SHAPE Technical Centre Personnel and employees of the NATO Organization. Enquiries from NATO Nations will be accepted on a case-by-case basis, preferably when channelled via national defence authorities.

SUBJECT

COVERAGE: Defence-command and control systems, communications, information systems and operations research.

**MAJOR PRODUCTS
AND SERVICE:**

Scientific and technical publications: reports, conference proceedings, bibliographies and databases.

DESCRIPTION:

Shape technical centre is a NATO agency subordinate to the Supreme Headquarters Allied Powers Europe (SHAPE). The centre acts as a technical advisory body to the Supreme Commander Europe (SACEUR) performing scientific defence research using state of the art test beds, simulations and information systems. STC accepts commissions from other NATO bodies when

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
INTERNATIONAL**

**DESCRIPTION
CONTINUED:**

supported by **SACEUR**. Typical projects involve coordination across national systems and may result in prototype systems, reports and direct advice to the military/operational element of NATO.

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
INTERNATIONAL****ORGANIZATION**

TITLE:: AGARD
(Advisory Group for Aerospace
Research and Development)

ADDRESS: 7 rue Ancelle
92200 Neuilly-sur-Seine
France

PHONIC NUMBER: +33 (1) 47 38 57 00

FAX NUMBER: +33 (1) 47 38 57 99

E-MAIL:

KEY CONTACTS: Scientific Publications
Executive and Secretary
+33 (1) 41 38 57 95/97

ACCESS

LIMITATIONS: None for unclassified publications

PRODUCTS: Scientific and technical publications

DESCRIPTION: AGARD (the Advisory Group for Aerospace Research and Development of NATO) is a coordinating agency that arranges meetings, lecture series and courses, sponsors publications, and supports the interchange of experts between NATO nations. It also provides technical assistance to Greece, Portugal and Turkey.

AGARD unclassified publications are freely available. Each NATO nation has a distribution centre for AGARD publications; and there are also three sales agencies that sell photocopies or prints from microfiche, in the US, UK and France. These are all listed on the back cover of this publication. In addition, AGARD HQ sells original copies of

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS INTERNATIONAL

DESCRIPTION

CONTINUED:

publications, within the limit of available stocks

AGARD has published a series of 3-year indexes to its publications. They contain full bibliographical details and abstracts of each publication and its constituent papers, as well as subject, personal author and corporate source indexes. Copies should be available from the sources listed in the previous paragraph.

The same information, up to 1993 (and possibly later), is available on a 4.7" **CD-ROM** which also contains similar information about NATO Scientific Affairs Division publications (NATO Advanced Scientific Institutes, etc). This disc is available from:

Publication Coordination Office
Elcerlyclaan 2
B-3090 Overijse
Belgium
Tel: +32 (2) 687 66 36
Fax: +32 (2) 687 98 82

DIREXTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS INTERNATIONAL

ORGANIZATION

TITLE: European Space Agency, Information
Retrieval Service: ESA-IRS

ADDRESS: ESRIN, Via Galilei Galilei
I00044 Frascati, Italy

PHONE NUMBER: (39/6) 94180276

FAX NUMBER: (39/6) 94180653

E-MAIL: GMUEHLHA@ESRIN.BITNET

KEY CONTACTS: Gerd A. Muehlhauser. H/IRS

ACCESS

LIMITATIONS: ESA-IRS is a public service within all the ESA
Member States. Users have access to all databases,
hut can he excluded from private data.
Non-Member State access is governed by an ESA
Delegate body.

SUBJECT

COVERAGE: Scientific and Technical reference information with
system support to reach/order the complete
inforination in the area of aerospace, transport,
materials, chemistry, environment, earth
observation. life sciences.

MAJOIR PRODUCTS

AND SERVICES: Operation of a classical on-line information retrieval
service, including related support services like SDIs,
and on-line document ordering.

DESCRIPTION:

The ESA-IRS collection of databases and databanks
contains more than 50 million records with a broad
scope of information. There is reference material
and factual data as well as the full text of many
publications.

DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS INTERNATIONAL

DESCRIPTION CONTINUED:

Reference records may be directory entries referring to companies or products; or they may be bibliographic citations and abstracts describing journal articles, conference papers or other original sources. Data records may describe specific properties of materials or components or they may give financial information about a particular company. Full-text records are typically of news items. All files are regularly updated, giving the user access to the most recent information. Many of them are unique to ESA-IRS.

**DIRECTORY OF DEFENSE AND AEROSPACE INFORMATION CENTERS
INTERNATIONAL****ORGANIZATION**

TITLE: North Atlantic Treaty Organization
SACLANT Undersea Research Centre

ADDRESS: CMR 426, APO AE 09613 (from North America)
Viale San Bartolomeo 400, 19138 San Bartolomeo,
La Spezia, Italy

PHONE NUMBER: +39-187-540361

FAX NUMBER: +39-187-524600

E-MAIL : green@saclantc.nato.int
N.B. further detailed information is available
on the World Wide Web on the Internet at URL:
<http://j/www.saclantc.nato.int/welcome.html>

KEY CONTACTS: The Librarian

MAJOR PRODUCT§: Classified and unclassified reports

DESCA:IPTION : The essence of the Centre's work is to:

- * Understand and predict the undersea environment in relation to performance of antisubmarine warfare and mine counter measure systems.
- * Create innovative system concepts and demonstrate their potential through sea trials.
- * Perform operational research on force deployment options and undertake operational analysis of ASW exercises to improve tactics.
- * Indicate best use of existing and projected systems.

ENTRY SUBMISSION/CHANGE FORM

**ORGANIZATION
TITLE:**

ADDRESS:

PHONE NUMBER:

FAX NUMBER:

E-MAIL:

KEY CONTACTS:

**ACCESS
LIMITATIONS:**

SUBJECT COVERAGE:

**MAJOR PRODUCTS/
SERVICES:**

DESCRIPTION:

POINT OF CONTACT: M . George T. Hart
AGARD/NATO
7 rue Ancelle
92200 Neuilly-sur-Seine
France
Phone 33 1 41 38 57 95/97
Fax 33 1 41 38 57 99

INDEX OF ORGANIZATIONAL TITLES

- | | |
|---|---|
| <p>Advisory Group for Aerospace Research and Development
(AGARD)
7 rue Ancelle
92200 Neuilly - sur - Seine
France
phone number +33 (1) 47 38 57 00
fax number +33 (1) 47 38 57 99</p> | 7 8 |
| <p>Airports and Air Navigation, ANA-EP
Rua D - Edificio 121
Aeroporto de Lisboa
1700 Lisboa, Portugal
phone number +351 1 808044
fax number +351 1 804344</p> | 2 9 |
| <p>Air University
Romero Bobledo, 8
28008 Madrid, Spain
phone number 5440422</p> | 4 1 |
| <p>Army Polytechnic University
Joaquin Costa, 6
28002 Madrid, Spain
phone number 561 88 00
fax number 561 88 07</p> | 4 2 |
| <p>British Aerospace Space Systems Ltd
Libraries and Information Services
FPC 310
P.O. Box 5
Filton
Bristol
BS12 7QW
phone number +44(0117)9366181
fax number +44(0117)9366819</p> | 5 8 |
| <p style="text-align: center;">or</p> | <p>F415
Gunnels Wood Road
Stevenage
Herts
SG1 2AS
+44(01438)736383
+44(01438)736637</p> |

INDEX OF ORGANIZATIONAL TITLES;

- CEDOCAR** 9
 2, bis rue Lucien Bossoutrot
 00460 Armees, France
 phone number 33 (1) 45 52 45 02
 fax number 33 (1) 45 52 45 79
- Inta Area de Documentacion y Biblioteca** 4 3
 Carretera de Ajalvir Km. 4
 Torrejon de Ardoz
 28850 Madrid
 phone number 34 1 520 18 19
 fax number 34 1 520 16 74
- Centro de Documentação Força Aerea - CDFFA Air Force** 3 0
Documen'tation Centre
 Av. Leite de Vasconcelos
 Alfragide
 2700 Amadora, PORTUGAL
 phone number +351 1 4715794 ext. 3265/3276
 Fax number +351 1 4712223
- Centro de Medicina Aeronautica - CMA** 3 2
Portuguese Air Force Aeromedical Center
 Azinhaga da Torre do Fato
 1600 Lisboa
 phone number +351 1 7593165 / 7575505 ext. 3444
 fax number +351 1 7570339
- C.I.R.A. (Italian Center for Aerospace Research)** 2 1
 Via Malorise
 81043 CAPUA (CE) ITALY
 phone number +39-823-623111
 fax number +39-823-022024

INDEX OF ORGANIZATIONAL TITLES

- Centre National de Documentation Scientifique
et Technique (CNDST)** 1
 Bibliotheque Royale
 Boulevard de L' Empereur 4
 B 1000 Bruxelles, Belgium
 phone number 32 (2) 519-5640
 fax number 32 (2) 519-5679/5645
- Construcciones Aeronauticas S.A. (C.A.S.A.)** 4 3
 Dir. Proyectos
 Information Center
 Getafe, Madrid Spain
 phone number 34 (1) 624 25 48
 fax number 34 (1) 624 20 84
- Danish Defence Research Establishment** 8
 Ryvangs Alle 1, Postboks 2715
 DK 2100
 Kobenhaven, Denmark
 phone number 011 45 3927 2233
 fax number 011 45 3120 3315
 e-mail ed@ddre.dk
- Defense Research Informatbon Centre (DRIC)** 6 0
 Kentigern House
 65 Brown Street
 Glasgow G2 8EX
 United Kingdom
 phone number +44 (141) 224 2437
 fax number +44 (141) 224 2470

INDEX OF ORGANIZATIONAL TITLES

- Defense Technical Information Center (DTIC)** 6 7
 Cameron Station, Building 5
 Alexandria, VA 22304-6145
 USA
 phone number +1 800 225-3842
 fax number +1 703 617-7718
 e-mail ryan@dgis.dtic.dla.mil.us
<http://www.dtic.dla.mil>
- Directorate Scientific Information Service (DSIS)** 4
 Research and Development Branch
 Department of National Defence
 MGen George Pearkes Bldg.
 Ottawa, Ontario, Canada KIA OK2
 phone number (613) 995-2971
 fax number (613) 996-0392
 e-mail Mike.Schryer@crad.dnd.ca
 Janet.Cathcrad.dnd.ca
- E.N. Santa Barbara** 4 6
 Julian Camarillo, 32
 phone number 5850700
 fax number 3271833
- Escuela Tecnica Superior de ingenieros de Armas Navales** 4 7
 Arturo Soria, 287 C.P. 28033
 phone number 1 - 3795619
 fax number 1 - 3795619
- European Space Agency, Information Retrieval Service: ESA - IRS** 8 0
 Esrin, Via Galilei
 100044 Frascati, Italy
 phone number (39/6) 94180276
 fax number (39/6) 94180653
 e-mail GMUEHLHA@ESRIN.BITNET

INDEX OF ORGANIZATIONAL TITLES

- Fachinformationszentrum Karlsruhe, Gesellschaft für
wissenschaftlich-technische Information mbH 1 7
 76344 Eggenstein-Leopoldshafen, Germany
 phone number +49/(0)7247-808 200
 fax number +49/(0)7247-808 132
 e-mail cc@fiz-karlsruhe.de
- GEC - Marconi Research Centre 6 2
 West Hanningfield Road,
 Great Baddow,
 Chelmsford, Essex CM2 8HN
 phone number +44 1245 473331
 fax number +44 1245 475244
- GMV.S.A.** 4 8
 C/Isaac Newton, II (P.T.M.)
 28760 Tres Centos Madrid, Spain
 phone number +34 - 1 - 807 21 00
 fax number +34 - 1 - 807 21 99
 e-mail raramburu@gmv.es
- INASMET 4 9
 Camino de Portuetxe 12
 Bo de Igara Apdo.; 1.689
 20009 San Sebastian Spain
 phone number 943 - 218022
 fax number 943 - 217560
- Instituto da Defesa Nacional - Centro de Documentação 3 3
 Institute of National Defense - Documentation Center
 Calçada das Necessidades, 5
 1300 Lisboa
 phone number +351 1 601079 / 601516
 fax number +351 1 3966480

INDEX OF ORGANIZATIONAL TITLES

- Instituto de Altos Estudos da Forca Aerea - IAEFA 3 8
 Portuguese Air Force Air War College
 Base Aerea n° 1
 Granja do Marques
 2710 Sintra
 phone number +351 1 9271198 / 9271197
 fax number +351 1 9270597
- INETI - Instituto Nacional de Engenharia e Tecnologia 3 5
 Industrial
 Estrada do Paco do Lumiar
 1699 Lisboa Codex - Portugal
 phone number +351 1 7165141/7164211/7165181/7162712
 ext. 2984 or 2987
 fax number +351 1 7164732
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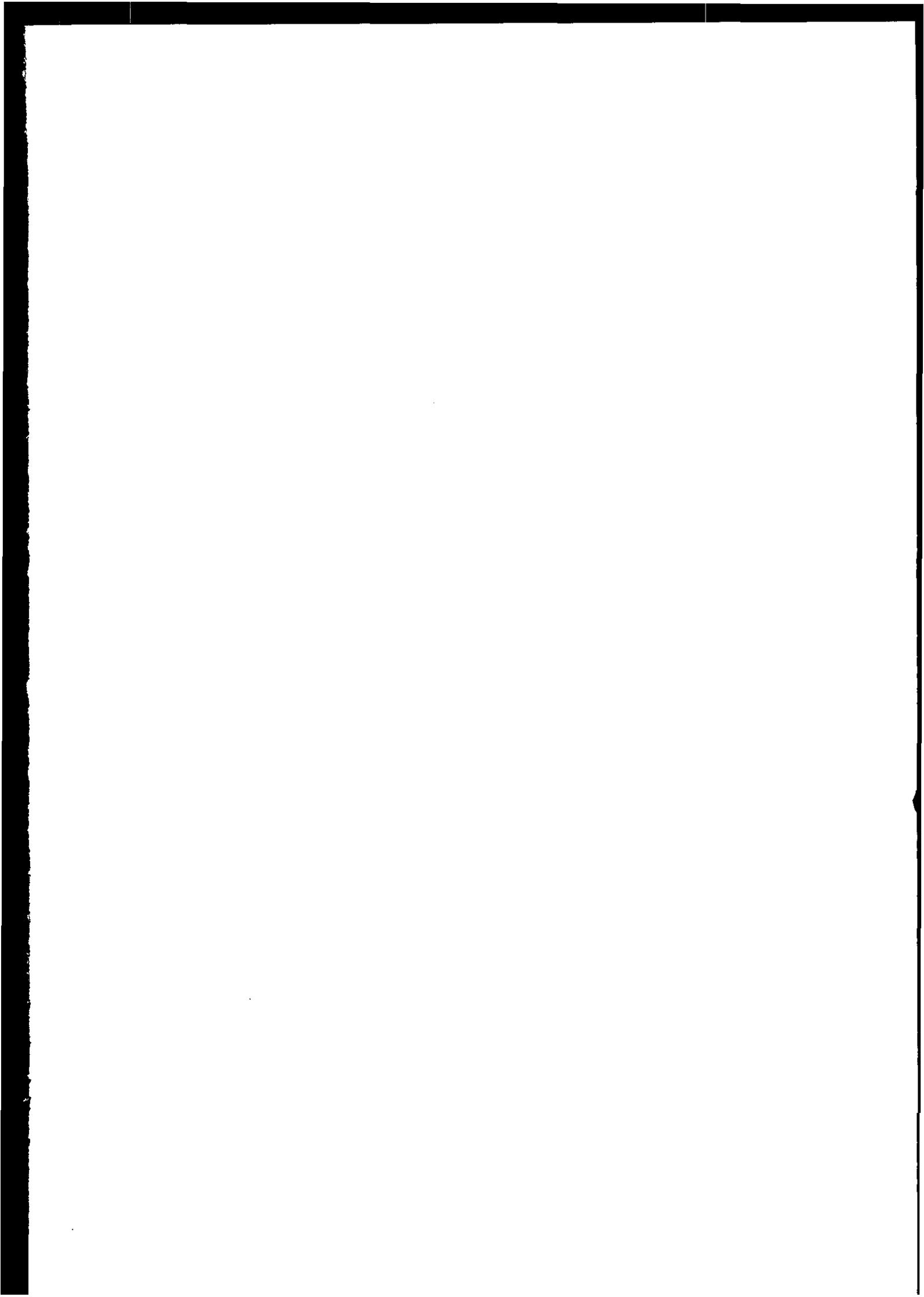
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<p>The Directory of Defense and Aerospace Information Centers is a reference guide to information centers located in NATO Nations. The information provided represents submissions from forty eight information centers across fourteen countries.</p> <p>The guide provides assistance in locating scientific and technical information resources from several countries' information centers. Points of contact are provided for each center. The directory includes information on: points of contact, subject coverage, description of major products and services, access limitations where applicable, e-mail addresses, phone and fax numbers. An index to centers by organizational title is included for quick reference.</p>			

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. This includes not only sales and purchases but also expenses and income. The document provides a detailed list of items that should be tracked, such as inventory levels, accounts receivable, and accounts payable. It also outlines the procedures for reconciling these accounts and identifying any discrepancies.

The second part of the document focuses on the classification of expenses. It explains how to distinguish between capital expenditures and operating expenses, and how to allocate costs to different departments or projects. This section includes a table showing the breakdown of various expense categories and the methods used to allocate them. The document also discusses the importance of proper documentation for all expenses, including receipts and invoices, and provides guidelines for how to handle these documents.

The third part of the document deals with the preparation of financial statements. It provides a step-by-step guide to calculating key financial ratios and metrics, such as the current ratio, debt-to-equity ratio, and return on investment. It also includes a sample financial statement and explains how to interpret the results. The document concludes with a summary of the key points discussed and a final note on the importance of regular financial review and reporting.



The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. This includes not only sales and purchases but also expenses, income, and any other financial activity.

The second part of the document provides a detailed explanation of the accounting cycle. It outlines the ten steps involved in the process, from identifying the accounting entity to preparing financial statements. Each step is described in detail, with examples provided to illustrate the concepts.

The third part of the document discusses the various types of accounts used in accounting. It explains the difference between assets, liabilities, and equity accounts, as well as the classification of expenses and revenues. It also covers the concept of debits and credits, and how they are used to record transactions.

The fourth part of the document discusses the importance of adjusting entries. It explains how these entries are used to ensure that the financial statements reflect the true financial position of the company at the end of the accounting period. Examples are provided to show how adjusting entries are recorded.

The fifth part of the document discusses the preparation of financial statements. It explains how the adjusted trial balance is used to prepare the income statement, balance sheet, and statement of owner's equity. It also discusses the importance of comparing the financial statements to the company's performance and the industry as a whole.

The sixth part of the document discusses the importance of internal controls. It explains how these controls are used to prevent and detect errors and fraud, and to ensure the accuracy and reliability of the financial information. Examples are provided to show how internal controls are implemented.

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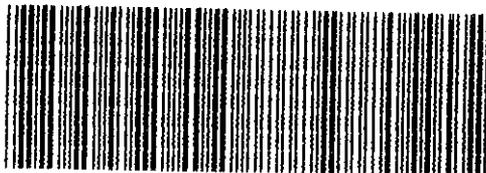
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