

## Additif - Addendum

### VOLUME I

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*Australie*

*Australia*

AUSTRALIA - University of Sydney

**NAME: Disaster Management Studies Centre**

Established in 1989, the Disaster Management Studies Centre (DMSC) conducts research across a range of theoretical and empirical aspects relating to sociological, psychological, organizational, administrative and health consequences of largescale social crisis impact. DMSC offers a series of teaching programmes leading to either an Associate or Graduate Diploma in Disaster Management. Training programmes providing short in-country courses in South-West Pacific and South-East Asia are to be conducted. DMSC has established an information clearing house facility which will assist the dissemination of disaster relevant material throughout the Asia-Pacific region. DMSC staff are available for consultant work to provide expert advice on crisis/disaster management to governments, emergency services, voluntary and/or professional agencies, and local communities.

**ADDRESS:** Cumberland College of Health Sciences, University of Sydney  
East Street, P.O. Box 170, LIDCOMBE, Sydney 2141, Australia

**Telephone:** (61 2) 749-1927/646-6228  
**Telex:** CUMCOL AA123589  
**Telefax:** (61 2) 6464853

**CONTACT PERSON(S):** Dr Neil R. BRITTON, Director

**TYPE OF TRAINING**

The Diploma Course has three major aims:

1. To develop knowledge and understanding of concepts of social crisis and collective stress with particular reference to disaster phenomena.
2. To develop competence in the application of analytical and planning skills, with particular reference to formulating and implementing counter-disaster strategies;
3. To develop knowledge and understanding of the characteristics of the Emergency Social System, with particular reference to organization and management in the disaster context.

**DURATION:** Associate Diploma in Disaster Management and Graduate Diploma in Disaster Management: two years part-time both.

(Provision for overseas students to undertake course: one year full-time to be considered).

**LANGUAGE(S):** English

## DISASTER MANAGEMENT STUDIES CENTRE

**BASIC DOCUMENTATION:** Lectures, specific course documentation, research publications including DMSC Impact Assessment Reports, Occasional Papers, and Working Papers. College Handbook available for further information.

### **PARTICIPATION:**

Admission requirements (Graduate Diploma):

- (1) Successful completion of undergraduate course at bachelor/diploma level in a relevant field and two years recognized work experience; or
- (2) Completed overseas training and experience deemed by the College to be equivalent to the above or satisfy the Head of Department that applicant possesses some other form of qualification and experience which is of sufficient merit to warrant admission to the programme.

### **MISCELLANEOUS:**

1. Associate Diploma of Applied Science (Disaster Management)  
Programme available in external teaching mode only.
2. Graduate Diploma of Applied Science (Disaster Management)  
Programme available on-campus and external teaching mode.
3. Master of Applied Science (Behavioural Sciences).

Graduate Diploma to commence 1990.

Associate Diploma and Masters Programme to commence 1991.

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BRAZIL - Sao Paulo University

**NAME: Faculdade de Saúde Pública da Universidade de Sao Paulo  
Departamento de Saúde Ambiental**

The School of Public Health was created in 1918. The first course on Sanitation Management was implemented in 1925. Through its Department of Environmental Health (Departamento de Saúde Ambiental) the School of Public Health, Sao Paulo University, provides long (one year) and short (one week) term courses in the field of emergency sanitation management : water supply, excreta, waste water and solid wastes disposal; rodent and arthropoda control; food, shelter and housing sanitation; and other related matters. The School's professors and technical team have considerable field experience on the subject and have done plenty of consulting work and given personal assistance during disaster (flood) events to other Brazilian States.

ADDRESS: Avenida Dr. Arnaldo, 715, C.E.P. 01255, SAO PAULO - SP, Brazil

Telephone: (00-55-11) 282-3842

CONTACT PERSON(S): Prof. Dr. Diogo PUPPO NOGUEIRA, Head,  
Departamento de Saúde Ambiental

Technical Team :

Prof. Dr. ARLINDO PHILIPPI Junior, Co-ordinator, Environmental Engineering Course

Prof. Dr. Antonio CARLOS ROSSIN, Supervisor

Prof. José ARAÚJO DE OLIVEIRA SANTOS, Supervisor

**TYPE OF TRAINING:**

- Health and sanitation aspects of disaster preparedness and management
  1. Long-term (basic knowledge)
  2. Short-term (specific knowledge)
- Disaster preparedness and management courses for national and international institutions, such as Ministério da Habitação e Urbanismo and also the United Nations Development Programme (UNDP) in the country.

DURATION: One year (basic knowledge), annually offered, and one week (specific knowledge), provided upon request

LANGUAGE(S): Portuguese

PARTICIPATION: Long-term training is intended for engineers and other professional people. Short-term training is specific for officials and other people involved in civil defence and disaster preparedness and management

BASIC DOCUMENTATION: Faculty prospects on Public Health and Environmental Engineering Courses (Basic training for disaster sanitation management). Course Programme (Specific training on basic sanitation management in case of flood occurrence).

MISCELLANEOUS: Certificates of Attendance are being delivered.

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**CANADA - Alberta Public Safety Services****NAME: Alberta Public Safety Services Training School**

The Alberta Public Safety Services (APSS) Training School, which was officially opened in June 1986, is considered to be the most modern training facility of its type in Canada. The facility now provides in school training for about 2000 students every year and carries out extension courses all over the Province for a further 4000 students. Recently, the School was re-organized into two branches, a Training Delivery Branch and a Training Development Branch. The overwhelming majority of students who receive training either at the School or on extension courses are Albertans, but recently individuals from other provinces in Canada have attended courses and this trend is expected to increase in the future. The innovative Emergency Public Information Officers Course, which started as a four-day pilot course in May 1989 as part of the School's annual curriculum, emphasizes the importance of working together with the media, to seek their help and co-operation to get accurate information out quickly to the community when disaster strikes. Among training programmes which are being developed in addition to the School's existing curriculum is the on-highway dangerous goods inspectors' refresher course.

**ADDRESS:** P.O. Box 10000, EDMONTON, Alberta T5J 2P4, Canada  
10320 - 146 Street, EDMONTON, Alberta T5N 3A2, Canada

**Telephone:** (403) 427-2772  
**Telefax:** (403) 4277782

**CONTACT PERSONS:** Scott BRICKER, Director of Training, APSS Training School  
Grahame BLUNDELL, Director of Communications  
(for the Emergency Public Information Officers Course)

**TYPE OF TRAINING:**

- The training at the School covers a wide range of courses. There are seminars, workshops and specific training courses designed to meet the needs of the rural and urban municipalities as well as the industrial communities in Alberta.
- The various courses cover everything from minor incidents involving a local municipality to the major emergencies which could require provincial government response.

## ALBERTA PUBLIC SAFETY SERVICES TRAINING SCHOOL

- The curricula include courses on:
  - emergency planning
  - response to dangerous goods incidents
  - health
  - social services
  - rescue (a practical five day course trains qualified rescue workers as leaders)
  - emergency public information.

### Emergency Public Information Officers Course:

intended for public information officers trained to assume responsibility for public affairs at disaster sites (it became part of the Training School's annual curriculum in 1989);

teaching topics such as what the media need to know, how to work with the media and the public, the elements of an emergency public information plan, and how to run a news conference.

**DURATION:** Courses which are conducted at the School, from September to June, vary in length from two to five days. The extension courses vary from one to four evenings.

**LANGUAGE(S):** English.

**PARTICIPATION:** Candidates are nominated by their respective local authorities. Candidates from outside Alberta can attend by special request.

**BASIC DOCUMENTATION:** Course materials. Of primary importance for the School is the development of the audiovisual aids which supplement the training programmes. **INSIGHT**, the new publication of the Alberta Public Safety Services (APSS) - first issue in March 1989 - aims to inform readers about current developments concerning topics which relate to the mandate of APSS: to prepare for, respond to and follow up on man-made or natural disasters in Alberta. It is therefore an important tool for training activities.

**MISCELLANEOUS.** Attendance Certificates delivered.

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CANADA - Private Sector Corporation

**NAME: Canadian Disaster Resource Centre**

The Canadian Disaster Resource Centre (CDRC) is a Canadian Organization incorporated to support civilian participation related to disaster planning and research. It has been established as a national resource centre for data, personnel and equipment. A major focus is to assemble current literature related to search, rescue and recovery from collapsed buildings - commonly referred to as heavy rescue. It is housed at the Alberta Vocational Centre (AVC), a provincially administered post-secondary institution recognized nationally for its emergency response training programmes. AVC, in Lac La Biche, Alberta, offers modern, up-to-date information processing capabilities using Digital-VAX computers.

ADDRESS: P.O. Box 1557, LAC LA BICHE, Alberta, Canada, TOA 2C0.

Telephone: (403) 623-5551

Telefax: (403) 623-5639

CONTACT PERSON(S): John BAUMAN, John NICKLIN, Mark HOYE

**TYPE OF TRAINING:**

All courses are performance based and consist of theoretical and practical components.

1. Through its affiliation with AVC, CDRC can arrange for:
  - Rope rescue training (levels I, II and III)
  - Wilderness emergency care training
  - Emergency medical attendant training (EMT-A).
2. CDRC also enables access, through its networking system, to:
  - Emergency response team training for large industrial sites
  - Underground mine rescue training and surface mine rescue training.

DURATION: Ranging from five days to four months

LANGUAGE(S): English

## CANADIAN DISASTER RESOURCE CENTRE

**BASIC DOCUMENTATION:** Information and documentation provided at AVC, Lac La Biche

**PARTICIPATION:** Open to applications from the general public, municipalities and corporations

**MISCELLANEOUS:** Certifications and Diplomas are awarded to students upon successful completion of courses.

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*Chine*

*China*

CHINA - State Seismological Bureau

**NAME: Institute of Engineering Mechanics**

The Institute of Engineering Mechanics (IEM) was initiated in 1952 and formally established in 1954 under the Academia Sinica. In 1984, the Institute was shifted to the State Seismological Bureau of China. IEM started a Programme on earthquake engineering research as early as 1955, growing up from a small group to the present status according to which most part of the Institute is devoted to earthquake engineering research in full scope, covering strong-motion seismology, seismic risk analysis, ground motion characteristics, structural dynamics, soil dynamics and earthquake resistant structures of various kinds. This Institute is well equipped with experimental facilities, computer systems and a comprehensive library for disaster mitigation research.

ADDRESS: 9, Xuefu Road, HARBIN 150080, China

Telephone: 61304  
Telex: 87051 IEM CN  
Telefax: 5504

CONTACT PERSON(S): Professor Li-Li XIE, Vice-Director of IEM

**TYPE OF TRAINING:**

Periodical short training courses on earthquake hazard mitigation. By combining seminars with training courses, an exchange of information on the state of the art in the following areas can be archived.

- Earthquake prediction
- Strong earthquake motion observation
- Seismic hazard analysis and microzonation for cities and engineering sites
- Compilation of seismic zoning map
- Near-field seismology
- Earthquake resistance of building constructions
- Dynamic design of offshore platform and dam
- Earthquake resistance of lifelines
- Soil mechanics and geotechnical earthquake engineering
- Wind disaster and wind resistant engineering.

DURATION: Four weeks in the summer, yearly

LANGUAGE(S): English, Chinese, Japanese, Korean

CHINA - State Seismological Bureau

INSTITUTE OF ENGINEERING MECHANICS

**BASIC DOCUMENTATION:** Many kinds of publications written by Chinese authors for training courses are available upon request

**PARTICIPATION:** Engineers and research fellows from countries prone to natural hazards. 20 participants per course, partly from China and partly from South and East Asia. The calibre of the attendants will be set at college graduate with several years experience in engineering practice or research.

**MISCELLANEOUS:** A Certificate of Attendance is delivered at the end of the course.

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U.S.A. - Independent Non-Profit Research and Educational Corporation

**NAME: Industrial Crisis Institute**

**The Industrial Crisis Institute, Inc. (ICI) is a non-profit research and educational organization. Its associates are individuals and organizations from all over the world, concerned about economic, social and cultural problems associated with industrial activities. Its objectives are to conduct theoretical and empirical studies of crises, and to develop practical solutions to crises caused by industrial/technological hazards.**

ADDRESS: 649 East 19th Street, BROOKLYN, New York 11230, USA

Telephone: (718) 859-3435

CONTACT PERSON(S): Paul SHRIVASTAVA, Executive Director

**TYPE OF TRAINING:**

Crisis seminars and workshops:

Preventing and coping with industrial crisis requires innovative corporate policies, new managerial skills, changes in government policies and community action. Custom designed seminars are offered for corporate, government and community groups to help them develop crisis coping capabilities. Seminars focus on assessment of their crisis environment, potential triggering events, crisis processes and crisis management procedures. Custom tailored workshops are designed for training corporate Executives in crisis management techniques.

The Crisis Management Behavioral Simulation (CRIMBS) which is a simulation exercise designed for training management to develop crisis management, crisis planning, crisis leadership and decision-making skill.

Conferences:

To establish communications between crisis stakeholders, conferences are organized on industrial crisis issues, which bring together members of academic, corporate, government and non-government organizations to share their perspectives and experiences.

DURATION: Training workshops last one or two days. Conferences last generally two days.

LANGUAGE(S): English

## INDUSTRIAL CRISIS INSTITUTE

**BASIC DOCUMENTATION:** Course materials are available at the Institute. A list of publications describing ICI's studies is available on request

**PARTICIPATION:** Participation is open to all. Fees vary with the various types of programme.

**MISCELLANEOUS:** Several independent studies of industrial accidents and crises have been conducted and others are in progress. These include the Bhopal disaster, the Chernobyl Nuclear Power Plant accident, the Space Shuttle Challenger explosion and the Tylenol poisonings.

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U.S.A. - Voluntary organization

**NAME: Interchurch Medical Assistance**

The Interchurch Medical Assistance, Inc. (IMA) is a non-profit, private voluntary agency for the procurement and distribution of medical and hospital supplies for overseas health care ministries of Protestant churches and relief organizations, which was created in 1961. Its objectives are (1) to solicit in-kind contributions from the pharmaceutical, medical and dental materials supplies industry -- materials appropriate for Third World health care programmes and for disaster relief and inventory replenishment; (2) to facilitate the distribution of such materials and procurement through purchase where necessary of additional, appropriate materials for use in non-profit, humanitarian facilities without regard to any discriminating factor; (3) to supplement medical and nursing and primary health care facilitators training/educational programmes by soliciting and distributing appropriate medical/nursing textbooks solicited from American medical book publishers; and (4) to provide consultation in appropriate health care materials and the management thereof in natural disaster relief and rehabilitation. Many humanitarian NGO's have access to the inventory of medical supplies, especially in times of urgent replenishment of crucial hospital inventories.

ADDRESS: College Avenue, Box 429, NEW WINDSOR, Maryland 21776, USA

Telephone: (301) 635-6474

Telex: 9102508820 IMAINC UQ. EasyLink Mailbox: 62762435

Telefax: (301) 635-6171

CONTACT PERSON(S): Paul A. McCOMBS MAXEY, Associate Executive Director

**TYPE OF TRAINING**

- Consultation service on appropriate drug and medical supplies for immediate and intermediate release in disasters.

Interchurch Medical Assistance, Inc. is the medical materials resource for Church World Service of the National Council of Churches of Christ in the US. Through this service, IMA is in constant contact with CWS's Disaster Relief office and Material Resources Programme immediately following each natural disaster. Materials at hand in its inventory and special acquisitions of recommended materials are constantly reviewed during those early days for appropriateness and management issues.

Similar services are provided to Adventist Development and Relief Agency, International, Lutheran World Relief and Mennonite Central Committee. In addition, these

## INTERCHURCH MEDICAL ASSISTANCE

and several mission boards are called upon to replenish destroyed inventories of some hospitals. During these intermediate, rehabilitation experiences, IMA provides consultation on priorities, appropriateness, as well as sources for intermediate assistance.

- Consultation in appropriate materials for pre-disaster storage.

Executive Director has previous experience as Director of Disaster Response for a significantly large mission board for ten years. Executive Director and Associate Executive Director have both served IMA for 9 years in its materials storage for appropriate response. Associate Executive Director has experience in computer managed inventory control. Offered is direct consultation, based on that experience, in decision making on what can and/or should be stored in certain disaster prone areas and the difficulties in storage without rotation of other materials.

**DURATION:** Offered is direct consultation for the direct time it may take, as half-day to one day. Also offered is on site consultation if deemed appropriate, for what ever time is necessary, but certainly less than a week.

**LANGUAGE(S):** English

**BASIC DOCUMENTATION:** IMA does not produce documentation/course materials, but it does have an inventory of donated medical/nursing books produced by the US medical publishing industry which could be surveyed for appropriate texts for such consultations as are offered above.

**PARTICIPATION:** Consultation is offered on a one-to-one basis, especially appropriate for agencies considering disaster relief or assistance.

**MISCELLANEOUS:** IMA is not prepared to offer attendance certificates or diplomas. Senior staff is prepared to provide discussions based on years of experience in disaster response.

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U.S.A. - University of Nebraska

**NAME: International Drought Information Center**

The International Drought Information Center (IDIC) has been established at the University of Nebraska in 1988, in recognition to the need for an improved understanding and awareness of the problems associated with drought management. The purpose of the Center is to promote a better understanding of drought through improved communication of information about prediction, monitoring, impact assessment, adjustment and adaptation, and planning and response. The IDIC is an outgrowth of the International Symposium and Workshop on Drought, held at the University of Nebraska in the fall of 1986. One of the main objectives of IDIC is to train persons from developed and developing countries in the science of drought planning and management and the purpose of its seminars to improve the ability of governments in developing countries to plan for and cope with drought.

**ADDRESS:** Department of Agricultural Meteorology, University of Nebraska  
L.W. Chase Hall, LINCOLN, Nebraska 68583-0728, USA

**Telephone:** (402) 472-3679

**Telex:** UNL Comm LCN 484340

**Telefax:** (402) 4726338

**CONTACT PERSON(S):** Dr. Donald WILHITE, Director

**TYPE OF TRAINING:**

Training activities are organized in the science of drought planning and management. They consist of regional training seminars planned for Africa, Asia and Latin America. These seminars have the main following objectives: the main following objectives:

1. To exchange ideas on the strengths and weaknesses of current drought prediction, monitoring, impact assessment, adjustment, and response efforts
2. To share information and experiences among the participating nations on current national approaches to drought assessment and response
3. To identify research and information that is needed to improve national capability to assess and respond to drought
4. To review national needs for the development of more effective drought mitigation strategies and to promote the formation of these strategies

## INTERNATIONAL DROUGHT INFORMATION CENTER

LANGUAGE(S): According to region(s) concerned

BASIC DOCUMENTATION: Course materials provided by IDIC

The newsletter of IDIC, *Drought Network News*, published in co-operation with the World Climate Programme of the World Meteorological Organization (WMO), provides among other information reports on drought management and planning seminars arranged by IDIC.

PARTICIPATION: Selection of technical experts and policy makers from each region.

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U.S.A. - Intergovernmental Oceanographic Commission

**NAME: International Tsunami Information Center**

The Tsunami Warning System in the Pacific under the auspices of the Intergovernmental Oceanographic Commission (IOC) of UNESCO, is an international co-operative effort involving 24 Member States of the Pacific Region. IOC established in 1968 an International Co-ordination Group for the Tsunami Warning System in the Pacific (ICG/ITSU) which meets every two years. IOC maintains the International Tsunami Information Center (ITIC), which is responsible for monitoring the international tsunami warning activities in the Pacific and for recommending improvements with regard to communications, data networks, data acquisition, and information dissemination; bringing to Member and non-member States information on tsunami warning systems; assisting Member States of ITSU in the establishment of national warning systems and improving preparedness for tsunamis for all nations throughout the Pacific Ocean; and gathering and promulgating knowledge on tsunamis as well as forecasting tsunami research and its application to prevent loss of life and damage to property.

ADDRESS: Box 50027, HONOLULU, Hawaii 96850-4993, USA

Telephone: (808) 541-1658

Telefax: (808) 5411678

CONTACT PERSON(S): Dr George PARARAS-CARAYANNIS, Director

TYPE OF TRAINING.

The ITIC Visiting Experts Programme has a short-term training curriculum which includes:

1. A comprehensive coverage of the Tsunami Problem - generation, propagation, terminal effects, state of the art,
2. In-depth familiarization with the operation procedures of the Pacific Tsunami Warning Center in Honolulu;
3. Thorough coverage of the Pacific Tsunami Warning System and of Wave Reporting Procedures;
4. Training in tidal, seismic and communications instrumentation used by the Tsunami Warning System;
5. Training in regional Tsunami Warning Systems,

INTERNATIONAL TSUNAMI INFORMATION CENTER

6. Familiarization with disaster prevention measures and emergency procedures used by Civil Defense Agencies;
7. Simulated earthquake and tsunami exercises;
8. Training on hardware automation, computer techniques, software development and risk analysis;
9. Training on post-disaster surveys;
10. Numerical modelling.

DURATION: Training sessions: six weeks yearly; Workshops: every 2-4 years

LANGUAGE(S): English

BASIC DOCUMENTATION: Training materials

PARTICIPATION: Scientists and administrators involved in tsunami disaster mitigation, warning and research

MISCELLANEOUS: Attendance Certificates.

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U.S.A. - International Emergency Management and Loss Reduction Services

**NAME: The Mitigation Assistance Corporation**

The Mitigation Assistance Corporation (TMAC) provides comprehensive emergency management services to local, regional and national governments preparing for, or recovering from disasters. TMAC specializes in reducing hazard losses by developing, managing and evaluating hazard mitigation systems and programmes. TMAC assists governments in analyzing existing strengths and weaknesses in preparedness, response and recovery capabilities, and co-ordinates improvements to short and long-term loss-reduction programmes. Staff has extensive experience with development of U.S. programmes and through on-site experience on more than 25 disasters.

ADDRESS: P.O. Box 382, BOULDER, Colorado 80306-0382, USA

Telephone: (303) 494-4242 (24 hours)

Telefax: (303) 4497100, Attn. TMAC @ 494-4242

CONTACT PERSON(S): Clancy PHILIPSBORN, President  
Nancy STONE, Senior Associate

**TYPE OF TRAINING:**

- Hazard Mitigation (basic to advanced), tools, techniques, identification of opportunities, co-ordination, financing, timing
- Interagency Co-ordination analysis of existing capabilities. Identifying need, working as effective teams, capability resource co-ordination.
- Disaster Recovery and Response, resource co-ordination, damage assessments, recovery with mitigation, multi-objective planning, financing
- Damage Assessment: managing information for effective and co-ordinated relief, maximizing available assistance, establishing teams, field work
- Exercise Design: developing scenarios, co-ordinating the necessary resources, comparing to real-time, conducting and evaluating, 3 types
- Industrial Floodproofing: calculating floodable areas by building, using warnings effectively, response/stage plans, preparedness actions, recovery and cleaning up, minimizing down-time.

## THE MITIGATION ASSISTANCE CORPORATION

**DURATION:** All training is customized and on-site. Courses can be from 1-day to 1-week, and can include exercises, field trips, and other assignments.

**LANGUAGE(S):** Courses developed and conducted in English. Simultaneous translation can be provided.

**BASIC DOCUMENTATION:** Course materials are designed for each class, and include localized disaster and recovery information (statistics, agencies, problem areas). Each participant receives a workbook that includes all necessary worksheets, and copies of visuals used by instructors. TMAC has successfully managed workshops, seminars, courses and developed instructor/student manuals.

**PARTICIPATION:** A key element to successful disaster preparedness, response and recovery is to include the right participants in the available training. TMAC will work with sponsors to identify the candidates, and determine the level of sophistication that is necessary for the proposed training.

TMAC trains students of all levels - introductory to experts.

**MISCELLANEOUS.** TMAC can meet any arrangements as necessary. Past efforts have included damage assessments, co-ordinating all classroom arrangements, and travelling from location to location in order to provide on-site local government training. TMAC uses all format of visual training aids.

Other services have included project management, stand-by response and recovery contracts, video production, historical documentation, research and planning.

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