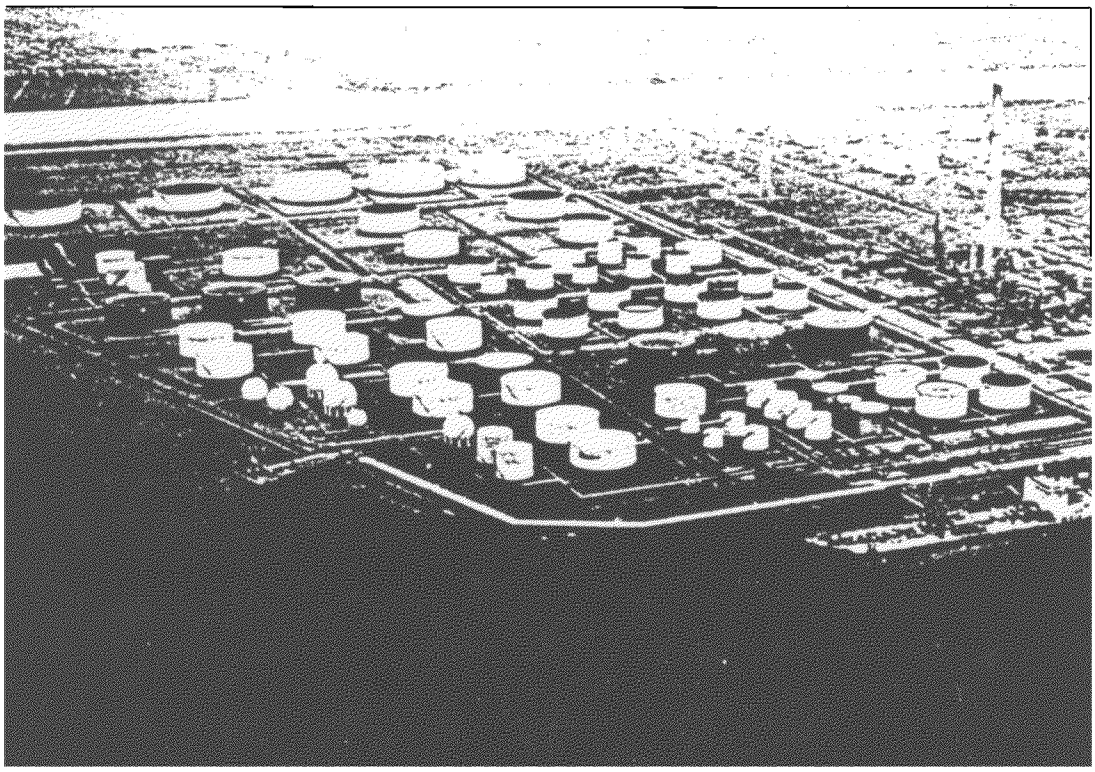
DIE UBUNG 19 MAI 1992

L'EXERCISE 19 MAI 1992



'EUROPA '92'

May 19, 1992

INTRODUCTION

The 'EUROPA '92' exercise is being conducted within the context of European co-operation in the area of large-scale disaster control and relief The exercise is an initiative of the Fire Services Directorate of the Ministry of Home Affairs, the Regional Fire Brigade of Amsterdam and Surroundings and the European Community Commission.

■ General Objectives

The primary objective of the exercise is to arrive at an international exchange of knowledge and experience Secondary objectives include the development of international co-operation, the implementation of decision-making processes and the application of tactics and techniques during a co-ordinated effort by international organisations and services in a disaster area The various aspects involved will be presented by means of demonstrations

■ Operational Objectives

The operational objectives include deployment of personnel and equipment, rescue, receiving and transporting the casualties, and specifically for the control of a large-scale chemical incident, reconnaissance, measuring and decontamination

■ Target Groups

The target group of the exercise consists of disaster and relief organisations throughout Europe in the fields of
- rescue
- large-scale fire-fighting
- medical care
- the control of chemical accidents

PROGRAMME

The 'EUROPA '92' exercise will consist of three parts
1 large-scale relief
2 control of a large-scale chemical incident
3 large-scale water transport

The exercise is of a demonstrative nature All sectors and units being utilised are deployed from the very beginning of the exercise In this way, as an observer you can view and compare the various countries and units during the time the exercise is being carried out. Each part of the exercise is held twice, once in the morning and once in the afternoon
The guests will be divided into two groups of 125 persons each, so that you can visit both exercises You change exercise locations as a group after lunch

■ Time schedule for the exercises on May 19, 1992

Large-scale relief and large-scale water transport

08.30 h	RAI Congress Centre	registration
09:00 - 10.00 h	Blauwe zaal (RAI)	introduction to the exercise
10 00 - 10:30 h	Forum zaal (RAI)	opening exhibition Brand '92

10 30 h	departure by bus from the RAI Congress Centre to the exercise-site
11 00 - 11.15 h	large-scale water transport
11 15 - 12 30 h	deployment of emergency services and static show

Chemical incident exercise

11 00 - 12.30 h	deployment of source control units, measuring units and static show
12 30 - 13 30 h	lunch

Large-scale relief and large-scale water transport

13 30 - 13 45 h	large-scale water transport
13 45 - 15:00 h	deployment of emergency services and static show

Chemical incident exercise

13 30 - 15 00 h	deployment of source-control units, measuring units and static show
15:15 - 16 15 h	word of thanks to the units evaluation of the exercise
16 15 h	end

EXERCISE LEADERSHIP AND ORGANISATION

You can direct specific questions concerning the deployment/procedures and auxiliary equipment of the units to the appropriate personnel from each country or unit appointed for that purpose. They are identifiable by special armbands In addition there is supplementary written or audio-visual information available in the relevant exercise unit's tent set up in the training area

The exercise will be observed by 125 Dutch and 125 other European guests
The number of participants in the exercise amounts to some 400 persons from 9 countries Approximately 70 transport vehicles will be deployed Furthermore, there will be another 150 Lotus casualties deployed, and a large number of persons will be involved in the preparations, supervision, supplies and services, and organisation

■ **Organisation of participants**

The units from the various European countries will control the disaster according to their own individual procedures and forms of organisation, under the leadership of two disaster area commands These two disaster area commands are under the supervision of the central area commander. The latter supervises the units in the disaster area, and is formally accountable to the administratively responsible authorities

■ **Exercise leadership**

The exercise leadership is in the hands of the Commander of the Regional Fire Brigade of Amsterdam and Surroundings, Mr Ernst. The contact person on the exercise leadership staff is Mr G G. Dral The location of the quarters of the exercise leaders and disaster area commands can be found on the map on page 18 and 19
The deployment areas for the relief operation, the chemical incident and the large-scale water transport are also indicated

EXERCISE PLAN "EUROPA '92"

General situation

A transport plane has just taken off from Schiphol Airport For yet unknown reasons, the plane explodes and falls apart in large sections over the 'Havens West' area of Amsterdam The nose of the plane, with the crew inside, crashes in the North Sea Canal, and is no longer considered a part of the exercise

Parts of the left wing and engines crash on the eastern sector of the Mobil Oil refinery where at just that moment a major maintenance operation is being carried out. Fires and buildings collapsing are the result. The number of casualties in this sector is probably high

The body, tail and right wing of the plane crash in the western sector of the Mobil Oil refinery (dangerous substances are released, but there are no fires)

Particular situation

■ **Chemical incident**

Ammonia, among other things, is produced as a by-product at the Mobil Oil refinery
On the day of the incident, a major maintenance operation is just getting underway. The company's technical services unit is responsible for inspecting the ammonia storage tank. The tank is emptied by means of a drainage pipeline with an inside diameter of approximately 30 cm. At the time of the disaster, the tank is completely full of liquid ammonia (pressure approximately 3 bar; tank volume 80 m^3)
Sections of the plane fall on the drainage line, causing ammonia to be released which overcomes the maintenance technicians
The fire brigade arrives quickly, and begins a gas safety-suit operation. In addition to rescuing the casualties and stopping the leakage, measurements have to be taken in the 'surrounding area'. (It is assumed that the discharge of gas/liquid ammonia through the small openings in the pipeline is continuous)

■ **Relief and fire-fighting efforts**

Parts of the left wing and engines fall on the eastern sector of the refinery. Due to the disaster, a large fire starts and the some buildings collapse. At the time of the disaster, a large number of technicians are in this sector of the refinery performing a major maintenance operation. Because of this, the number of casualties is high. By means of a large-scale water transport and extinguishing operation, the fire will be brought under control, after which the relief units can begin with the rescue, care and transport of the many casualties

DEPLOYMENT OF PARTICIPATING COUNTRIES

A Large-scale relief

The countries and units listed below will participate in the relief exercise. During this exercise, attention will be focused on the elements: rescue (RD), pockets of casualties (GN), assembly point for the casualties (VG), treatment centre (BC), transport (TR) and other similar systems

The Netherlands (2 emergency relief chains)

RD	Regional Volunteer Relief (rescue group), Regional Fire Brigade of Amsterdam and Surroundings
GN	Red Cross Corps
TR	Red Cross Corps
VG	Red Cross Corps
RD	Fire Brigade Ambulance Service of the Haarlemmermeer Municipality
GN	National Organisation of Trauma Teams (LOTT), Rapid Deployment Group for Medical Assistance (Sigma), Amsterdam Municipal Health Service
BC	Red Cross Corps
TR	Amsterdam Municipal Health Service

Greece

RD	Earthquake Planning and Protection
GN	Fire Brigade Special Unit for Disasters (EMAK)
TR	National Emergency Medical Services (EKAB)

United Kingdom

RD	Surrey Fire and Rescue Service
GN	Municipal Health Services
TR	Municipal Health Services

Ireland

RD	Fire Brigade Dublin
GN	Southern/North Eastern/Eastern/Western
TR	Health Board

Germany

RD	THV/Seeba Nordrhein Westfalen
GN	German Red Cross
VG	German Red Cross
TR	German Red Cross

Belgium

RD	Civil Protection, Antwerp
GN	Medical Care Unit (MUG) Brugge, Leuven
VG	Belgium Red Cross
TR	Belgium Red Cross

B Large-scale water transport

Italy

Command and Controll
Civil Protection, emergency satellite communications system (ARGO)

C Chemical incident

A small fire will be started to give an impression of large-scale water transport. Deployment and execution by the Netherlands

The countries and units listed below will participate in the chemical incident. During this exercise, attention will be focused on the elements reconnaissance and measuring (VM), source control (BB), decontamination (DM) and advice (AD)

The Netherlands

VM	Ouder Amstel/Diemen measuring unit and the Amsterdam unit for Dangerous Substances Accident Control (OGS)
BB	Amsterdam OGS unit
DM	Amsterdam OGS unit
AD	Chemical Advisory Department of the Amsterdam Fire Brigade

Denmark

VM	Civil Defense Column South-Jutland
BB	Civil Defense Column South-Jutland
DM	Civil Defense Column South-Jutland
AD	Civil Defense Column South-Jutland

United Kingdom

VM	Gwent Fire Brigade
BB	Gwent Fire Brigade
DM	Gwent Fire Brigade
AD	Grampion Fire Brigade

France

VM	Fire Brigade prefecture de la Seine (CAR/PSRT/CMIC/VSAB)
BB	Fire Brigade prefecture de la Seine (CAR/PSRT/CMIC/VSAB)
DM	Fire Brigade prefecture de la Seine (CAR/PSRT/CMIC/VSAB)
AD	Fire Brigade prefecture de la Seine (CAR/PSRT/CMIC/VSAB)

Luxembourg

VM	Civil Protection Luxemburg
BB	Civil Protection Luxemburg
DM	—
AD	Civil Protection Luxemburg

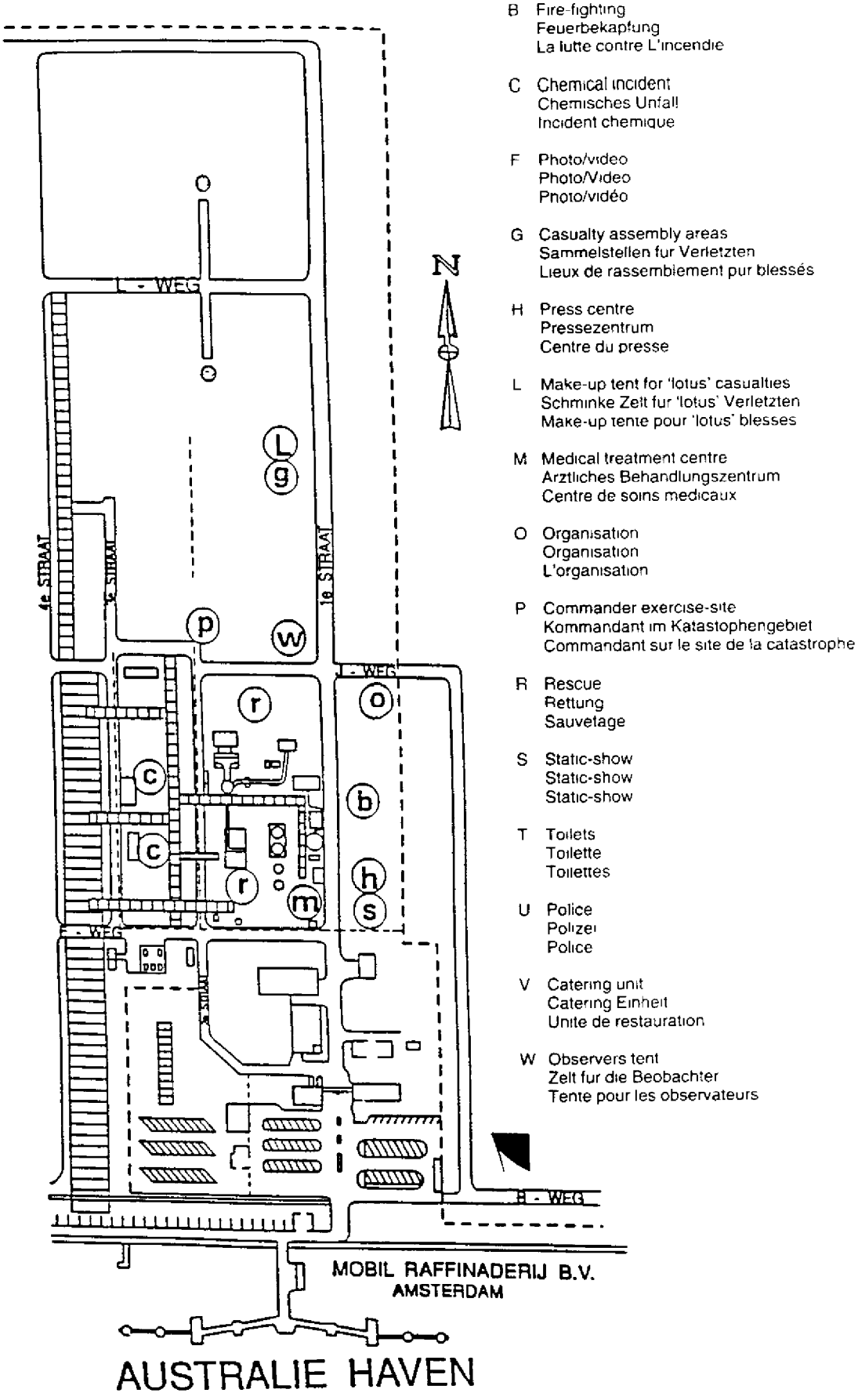
Belgium

VM	Civil Protection Antwerp
BB	Fire Brigade Hasselt, Genk
DM	Fire Brigade Hasselt, Genk
AD	Fire Brigade Hasselt, Genk

Germany

VM	Fire Brigade Hamburg/Hazardous Materials Platoon Ludwighafen
BB	Fire Brigade Hamburg/Hazardous Materials Platoon Ludwighafen
DM	Fire Brigade Hamburg/Hazardous Materials Platoon Ludwighafen
AD	Fire Brigade Hamburg/Hazardous Materials Platoon Ludwighafen

PRACTICAL INFORMATION	The exercise will take place on MOBIL OIL's company property in the Amsterdam Westpoort Industrial Estate In case of possible unforeseen, urgent business you can be reached via Mobil Oil b v Hornweg 10 Amsterdam Tel 020-5863110 A First Aid station is located at the Disaster Area Command
MAP OF MOBIL OIL PROPERTY	– overview of Amsterdam-Havens West – Mobil Oil property sectors per country per exercise and disaster area command lunch, etc



B Fire-fighting
Feuerbekapfung
La lutte contre L'incendie

C Chemical incident
Chemisches Unfall
Incident chemique

F Photo/video
Photo/Video
Photo/vidéo

G Casualty assembly areas
Sammelstellen fur Verletzten
Lieux de rassemblement pur blessés

H Press centre
Pressezentrum
Centre du presse

L Make-up tent for 'lotus' casualties
Schminke Zelt fur 'lotus' Verletzten
Make-up tente pour 'lotus' blesses

M Medical treatment centre
Arztliches Behandlungszentrum
Centre de soins medicaux

O Organisation
Organisation
L'organisation

P Commander exercise-site
Kommandant im Katastophengebiet
Commandant sur le site de la catastrophe

R Rescue
Rettung
Sauvetage

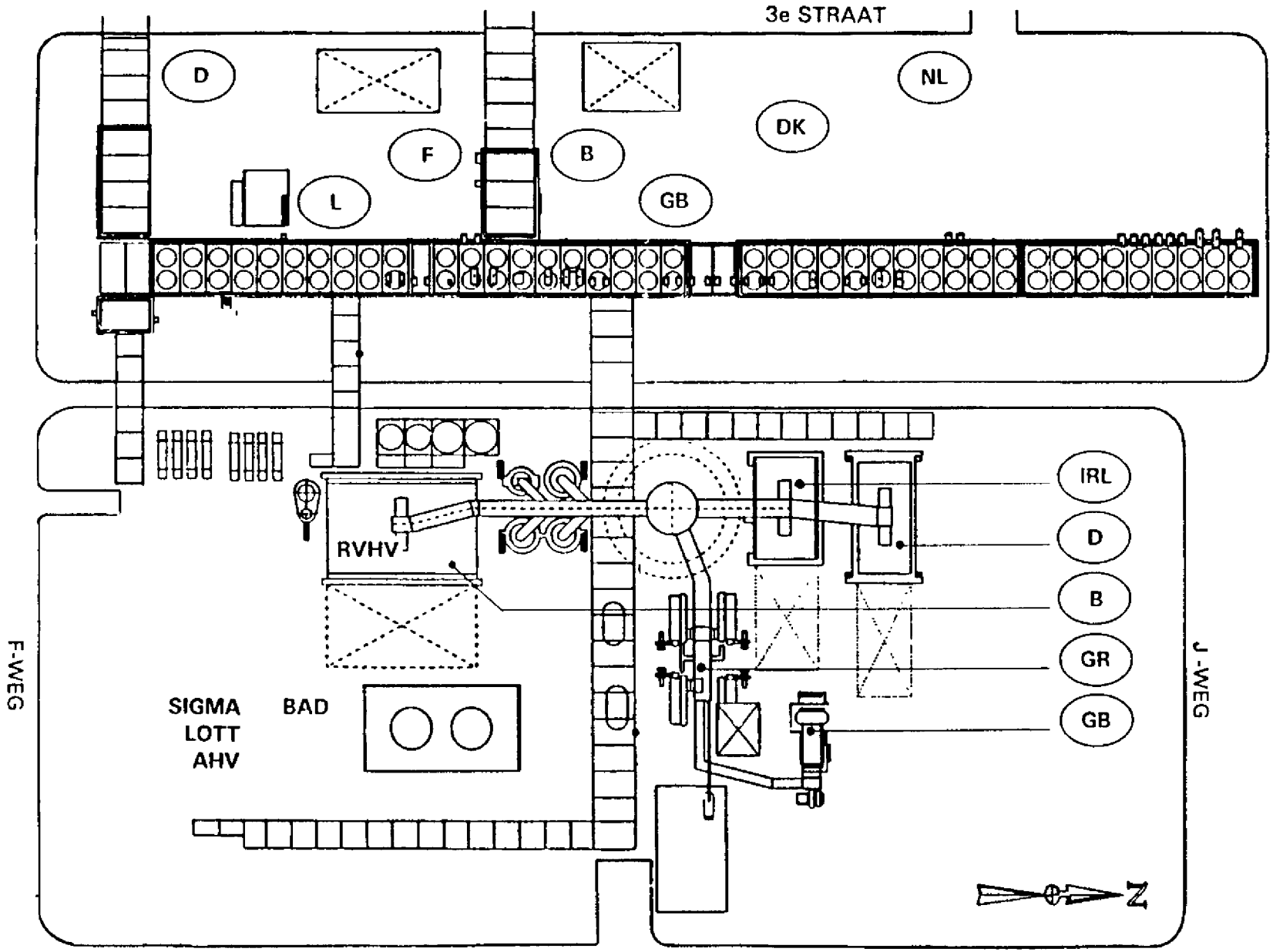
S Static-show
Static-show
Static-show

T Toilets
Toilette
Toilettes

U Police
Polizei
Police

V Catering unit
Catering Einheit
Unite de restauration

W Observers tent
Zelt fur die Beobachter
Tente pour les observateurs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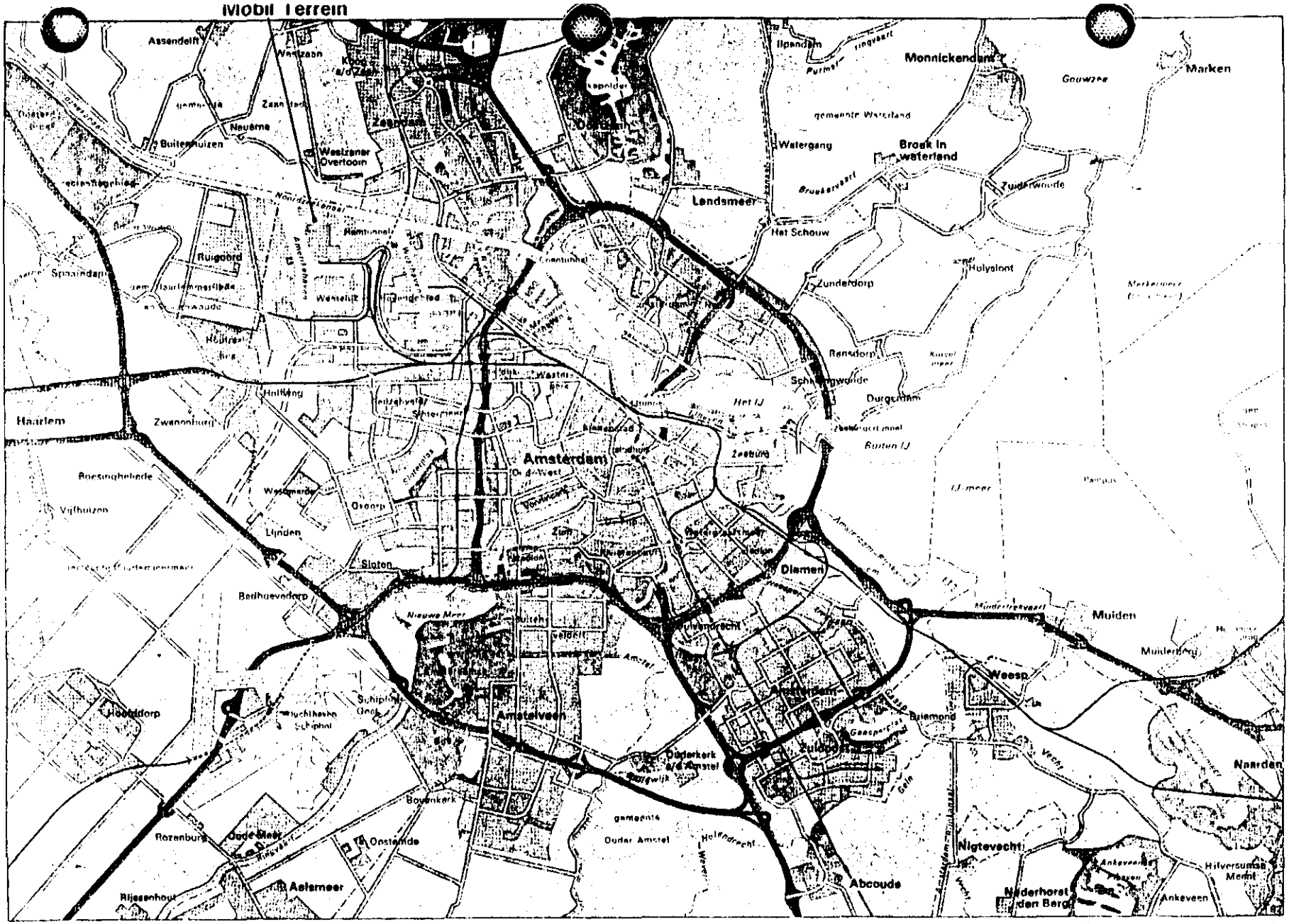
Mobil Terrein
Assendelft
Westzaan
Zaandam
Zaandijk
Monnickendam
Marken
Gouwzee
Ilpendam
Purmer
ringvaart
gemeente Waterland
Buitenhuizen
Neuteme
Westzaner Overtoom
Watergang
Broek in Waterland
Landsmeer
Het Schouw
Zunderdorp
Hulyalont
Ruigoord
Spaarndam
Haarlem
Zwanenburg
Halfweg
Het IJ
Amsterdam
Oud-West
Ransdorp
Durgerdam
Buiten IJ
IJmeer
Diemen
Muiden
Weesp
Amsterdam-Zuidoost
Amstelveen
Ouderkerk a/d Amstel
Bijlmermeer
Nigtevecht
Abcoude
Naarden
Aalsmeer
Oude Meer
Rijsenhout
Hoofddorp
Badhoevedorp
Sloten
Osdorp
Linden
Nieuwe Meer
Amstel
Gaasperplas
Gein
Vecht
Ankeveen
Hilversumse Meent
Nederhorst den Berg
1 : 125 000

Attachment 2

PROGRAMME

of the meeting of the

NATO-CCMS Pilot Study Group

"Disaster preparedness planning for chemical accidents"

20 and 21 May 1992,

TNO

Apeldoorn

(the Netherlands)

version dd. 18.05.'92

Wednesday 20 May 1992

9.00 am	Welcome and introduction
9 30 am	opening by the Chairmen
9 45 am	introduction TNO by Mr. C.M Pietersen, leader of the Section Risk Analysis of the Department of Industrial Safety (TNO)

Session 1: INTRODUCTION AND MODEL DEVELOPMENT

10.00 am	presentation chapter I - "Introduction" - M. Murttomaa
10 20 am	presentation and discussion of revisions of the draft of chapter III - "Health hazard assessment" - D. de Weger/E. Alp
10 40 am	discussion of chapters I and III
11 00 am	coffee

Session 2· ENVIRONMENTAL ASPECTS OF CALAMITIES

11.30 am	presentation "The Dutch authorities' approach in handling the environmental aspects of a chemical accident" - L. de Bruijn (Dutch Ministry of Environment) Dr De Bruijn is project leader of the Dutch government project "POBM", concerned with responsibilities of the several Ministries involved in handling the environmental aspects of chemical accidents

12.30 - 2.00 pm lunch

Session 2 ENVIRONMENTAL ASPECTS OF CALAMITIES (continued)

2.00 pm	presentation chapter II - "Environmental health issues" - G. Rodgers
2.45 pm	presentation "Toxic combustion products" - M. Molag (TNO) Mr. Molag is a senior risk analyst with the TNO Department of Industrial Safety, who has amongst others a broad experience in the field of formation of toxic combustion products.
3 15 pm	coffee
3 45 pm	discussion presentations session 2

Session 3. MEDICAL CARE CHAIN

4.30 pm	presentation "Introduction to the medical management of chemical disasters" - dr. Michel de Backer (Belgium); Dr. De Backer (who also attended the Bruges meeting) is a colonel in the Belgian Army, and for a long time involved in medical care.
5.30 pm	End of Day 1

Thursday 21 May 1992

Session 3: MEDICAL CARE CHAIN (continued)

9.00 am	*presentation dr J de Boer (WVC) - "Recent international medical-technical developments" Dr. De Boer is a member of the NATO Joint Medical Group, and chairman of the Dutch Committee for Medical Technical Affairs of the Medical Defense Council He has been closely involved in the development of triage categories for mechanical injuries, which are now commonly used in the Dutch medical emergency services.*
9.45 am	*presentation D de Weger - "Evaluation of sub-lethal health effects after exposure to toxic gases"*
10 15 am	*coffee*
10 45 am	*presentation/discussion based on text Dr Y I Musijchuk - System of classification and Identification of Emergency Situations when Handling Dangerous Chemicals*
11.30 am	*discussion of presentations session 3*
12 30 am	*Lunch*

Session 4 DEMONSTRATION OF TNO SOFTWARE

2 00 pm	*EFFECTS, a software package for the calculation of physical effects (Yellow Book models)*
2 20 pm	*FACTS, the TNO accident database containing over 15,000 smaller and larger accidents*
2.40 pm	*RADE-AID, a decision support system to determine the optimal intermediate and long-term countermeasure strategy after a nuclear accident*
3.00 pm	*coffee and opportunity to familiarize with the demonstrated software*
3.30 pm	*Follow-up, conclusions of the meeting*
5.00 pm	*End of Day 2*
Evening	*Dinner at Restaurant "Het Jachthuis", Hoog-Soeren (invited)*

Friday 22 May, from 10.00 - ca 11.00 am there will be an organized visit to the TNO-stand on the Fair at the RAI in Amsterdam

Attachment 3

Meeting Attendees
NATO/CCMS Pilot Study on Health and Medical Response to Hazardous Materials Releases
Amsterdam/Apeldoorn
The Netherlands
May 19 - 22, 1992

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Mr. Menso MOLAG
Mrs. Ing. Jose BLOM-BRUGGEMAN
Mr. Piet VAN BEEK
Drs. Gerard WAGENAAR

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