

## CHAPTER 5. COMMUNICATIONS AND THE FORMS

### 5.1. General Communications

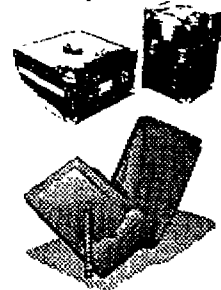
Our Combined System is looking for the future and developing enhancements. Information Technology is constantly changing and what is a new system today is an old one tomorrow. The most important improvement to our system is to make also the searches with other than dental characteristics automatic with a similar algorithm as with dental data. At the moment it still is, like the others, a simple search mode application. But before that some practical remarks.

If we are taking computers and other communications equipment with us on scene we just have to have proper transport boxes. The violin must be in tune before the *virtuoso* can play with it. Because computers don't like pushing or kicking we recommend here special heavy-duty aluminium or some other durable light-weight material containers. This makes your Mission Abroad (and the domestic too) much safer. The computer transport boxes of the Finnish DVI-Team, Interpol-Helsinki, are photographed and presented here as a small icon on the right. There are similar boxes both for the computers and laser printers. But in case of emergency the same styrox fillings which came along with the original hardware packages will do fine, if the transport is done with for example police crime scene vans. The laptops, like the Mac Powerbooks, and the brand new *Newtons* (for AM and PM forms filling and communicating) will fit in the suitcase of the traveller.

If different electrical current is expected, it's better to take a converter with you. Electricity will be no problem. Either we connect us to a common electricity network or use electricity generators with UPS (Uninterrupted Power Supply). The UN Rescue Forces mentioned earlier seemed to have much hardware of this kind. Especially interesting is their communications equipment.

If we have the possibility to link the micros to the telephone network, we can send data to the Identification Centre and naturally get information from the ID-Centre. This communications possibility with a modem will be supplemented with a fax machine. The whole wide world is then open to us straight from the scene. But now the Communications Technology makes the contacts possible from G2 Himalaya or lower places in Nepal with no terrestrial communications at all. Inmarsat's global satellite coverage means the transportable systems, like the TLC Lite, photographed in the Air Force HQ, Finland, (see Appendix # 11) work totally independent of local networks. We blow up here the picture presented already on page 7.

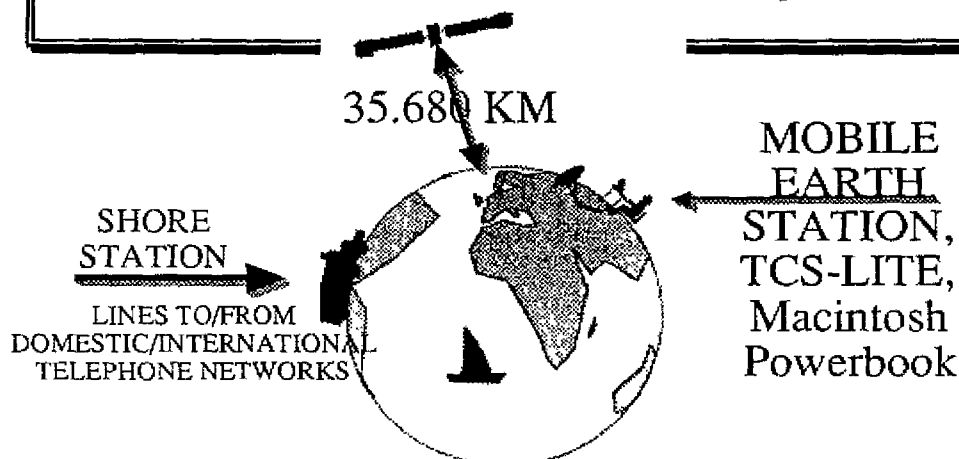
Heavy Duty Transport Boxes



Converters, Uninterrupted Power Supply



### Inmarsat Communications Anywhere



LTC-LITE,  
see  
Appendix # 11



## 5.2. Access to Medical Databanks, Dental Data Gathering

Access to Medical Databanks for the various types of important patient records in Finnish Hospitals and Health Care Centres is not a technical problem any more. All of them are equipped with telefaxes and the Finnish DVI-Team has combined a facsimile-directory. By scanning this list it is possible to put it in the memory of a modern fax machine and send simultaneously hundreds of messages. Thus the letter containing the victim list and the necessary ID-Numbers asking the medical care institutions to check their patients and then to contact the nearest Central Criminal Police Sub-Division (by fax, of course) is ready to be sent by one press of a button. A real time saver in case of emergency.

A Network called "Sinuhe" links the Finnish hospitals together. This makes the Electronic Mail as suitable means for communicating AM-information between the hospitals in the various parts of the country and the DVI-Centre in the capital, Helsinki.

There can be problems to get in touch with the appropriate dentist in time. In many cases experience has shown it impossible to get this piece of information in connection with the Interpol AM-FORMS from the relatives. They do not know or remember

The Finnish DVI-Team has created a database of all dentists and dental technicians in the country. This was done by merely copying the appropriate files of the National Board of Medicine. The operation should be repeated at least annually. With the Mail Merge-function of a standard word-processor (two parts: the "main document" with the same text, and a "data document" for the addresses etc.) and the help of the Postal Services of the Republic we can reach most of them at latest in a couple of days. The computer creates a standard text in personalized manner stating first politely: According to the Disaster Investigations Act and the Cause of Death Enquiry Act you are obliged to give the needed dental information to the Police."

This kind of start is a must. As a rule of thumb the first thing to come to the minds of people in medical professions when hearing or seeing the word "Police" is SECRECY. This phenomenon is very similar to the famous Pavlov-reaction. Maybe it is the fault of a wrong education, medical doctors are not all good lawyers. But back to the Mail-merge letter: "If you find names of your patients in the following Suspected Victim List, please, contact the nearest subdivision of the Central Criminal Police (Addresses and Contact ##)". All of them are equipped with telefaxes, those extremely useful and cheap communications instruments. Nowadays even most dental care stations have them and The Finnish DVI-Team has received to the ID-Centre good and accurate information in minutes. Both in text and graphic format.

## 5.3. The New (1989) Interpol AM and PM FORMS

The Manual and the Forms are the cornerstones of mutual international understanding and communications. It is a pity that in reality they still are unknown and widely misunderstood. They should be made available not only in all five (5) Interpol languages, but with the 120 or so additional ones used in the various member countries. Modern micros and lasers print all the necessary fonts (from Japanese and Chinese to Hebrew as well). Some weeks ago we sent the English/German version to Jerusalem. The digitized bunch is really easy to convert to any language. Just type on the German text and you will get a version in Hebrew and English.

There is much sense to have the English and local language text side by side, as is done here with the Finnish and Icelandic Forms (see Appendices # 6 b and 6 c). We include here the German version as Appendix # 6 d. This side-by-side lay-out was originally the idea of Mr. Tommy Lindström, Chief, Swedish DVI-Team, with the old 2nd generation Forms. We can thus now use of only one form in every case, be it domestic or international. This innovation has had practical value especially in the rapid international exchange of AM-PM-information with telefaxes. When using Forms Programs most text remains just the same. No need to go for pharmacies or crime lab handwriting experts

The text will be very clear when the forms have been scanned-in and set up with a Forms Program (TrueForm for example). There are then individual data fields for each item of the Interpol AM and PM Forms. The program combines the form image with the field information to produce a master form, which can be used. The

data entry is then streamlined to be very quick and easy. The forms are filled out either by entering information or by merging in data from another source. The printed result looks like the Ante Mortem A 1 (see Appendix # 10 ). The readability is important when we are faxing the forms internationally

Because of the confusion (as the following: "We feel improvements can be made. Since these forms are compatible with data processing, would it not be possible for the different language versions of the form to be stores, as we have already mentioned, in the data processing system?, ICPR, DVI-Special #, p. 31) we present here some print screens from one Forms program. PageMaker files have here been imported to True Form quite easily.

Please, Herr Kriminaloberat *Berndt Geide*, Head South-East Asia and far East Unit at the BKA, just start filling the blanks below!



TrueForm Fill-Out

File Edit Form Page Field Formula Group

Name Info X ✓ + -

Recovery of Body from Scene

Victim Identification Form

DEAD BODY / UNBEKANNTE LEICHE

Nature of disaster / Unfallart  No: Field 2

Place of disaster / Unfallstelle  Sex unknown   
Geschlecht unbekannt

Date of disaster / Unfallzeit  Day  Month  Year  Male  Female   
Tag  Monat  Jahr  Männlich  Weiblich

a- Data not available / Daten nicht erhältlich b- Photo / Lichtbild c- Further information on page G / Weitere Angaben auf Blatt G

RECOVERY OF BODY FROM SCENE / BERGUNG DER LEICHE AM UNFALLORT		a	b	c
20	Apparent age / Scheinbares Alter  1 <input type="checkbox"/> 0-1 <input type="checkbox"/> 2 <input type="checkbox"/> 2-5 <input type="checkbox"/> 3 <input type="checkbox"/> 6-15 <input type="checkbox"/> 4 <input type="checkbox"/> 16-25 <input type="checkbox"/> 5 <input type="checkbox"/> 26-50 <input type="checkbox"/> 6 <input type="checkbox"/> > 50  7 <input type="checkbox"/> Unknown <input type="checkbox"/> Nicht feststellbar			
21	Place where the body was found / Fundstelle der Leiche  01 Map reference / Lokalisation Coordinates: <input type="checkbox"/> <input type="checkbox"/> Koordinaten: <input type="checkbox"/> <input type="checkbox"/>  02 Photographs / Lichtbilder 1 <input type="checkbox"/> No <input type="checkbox"/> Yes Nein <input type="checkbox"/> Ja  Field 18			
22	State of body / Zustand der Leiche  01 Head / Kopf 02 Right arm / Rechter Arm  1 <input type="checkbox"/> Complete <input type="checkbox"/> Incomplete <input type="checkbox"/> 3 <input type="checkbox"/> No <input type="checkbox"/> Yes Vollständig <input type="checkbox"/> Unvollständig <input type="checkbox"/> Nein <input type="checkbox"/> Ja  No: 1 <input type="checkbox"/> Damaged <input type="checkbox"/> 2 <input type="checkbox"/> Burns <input type="checkbox"/> 3 <input type="checkbox"/> De-composed <input type="checkbox"/> 4 <input type="checkbox"/> Sterilized <input type="checkbox"/> 5 <input type="checkbox"/> Missing Verletzt <input type="checkbox"/> Verbrannt <input type="checkbox"/> Verwest <input type="checkbox"/> Sterilisiert <input type="checkbox"/> Fehlt			



As an exercise we can try to fill the English - Finnish - version in the latter language. This is for more secure international communications. A secure fax is written in Finnish. According to the U.S. Embassy standards Finnish is rated in the **Hardship Category # 5**, just before Chinese.

新

Form: "04. AM-A2"

Anti-Mortem

(yellow/blue/white)

**VICTIM IDENTIFICATION FORM**

A 2

MISSING PERSON / KADONNUT HENKILO

Family name / Sukunimi : \_\_\_\_\_ No: **Field 3**

Forename(s) / Etunimet : \_\_\_\_\_ **Field 2**

Date of birth / Syntymaika :  Day Päivä  Month Kuukausi  Year Vuosi Male Mies  Female Nainen

a= Data not available / Tiedot eivät ole saatavissa b= Photo / Valokuva c= Further information on page G / Lisätiedot sivulla G

INFORMATION RELATING TO MISSING PERSON / KADONNUTTA HENKILOÄ KOSKEVAT TIEDOT				a	b	c
14	Ever fingerprinted? / Sormenjäljet tallioitu?	1 <input type="checkbox"/> No Ei	2 <input type="checkbox"/> Yes / When / Kyllä / Milloin	<b>Field 9</b>	Date / Päivä	
	If not, are prints obtainable? / Ellei, ovatko jäljet saatavissa?	3 <input type="checkbox"/> No Ei	4 <input type="checkbox"/> Yes / When / Kyllä / Milloin	<b>Field 13</b>		
15	Family doctor / Lääkäri	Name / Nimi		<b>Field 14</b>		

Form: "07. AM-C3"

Anti-Mortem

(yellow/blue/white)

**VICTIM IDENTIFICATION FORM**

C 3

MISSING PERSON / KADONNUT HENKILO

Family name / Sukunimi : \_\_\_\_\_ No: **Field 3**

Forename(s) / Etunimet : \_\_\_\_\_ **Field 2**

Date of birth / Syntymaika :  Day Päivä  Month Kuukausi  Year Vuosi Male Mies  Female Nainen

a= Data not available / Tiedot eivät ole saatavissa b= Photo / Valokuva c= Further information on page G / Lisätiedot sivulla G

JEWELLERY / KORUT						a	b	c
30	Rings, chains etc. / Sormukset, ketjut jne.	No.	1 Material / Materiaali	2 Colour / Väri	3 Design / Muoto	4 Inscription / Kirjoitus	5 Where worn / Käyttöpaikka	
	01 Wedding ring / Kiva sormus 02 Other finger rings / Muut sormukset		<b>Field 7</b>					

### 7. CONCLUSIONS

In the Ad Hoc Strategy Model we have presented several ideas of the future development and research. The question is not only the new techniques made available by information technology, but even more of the wisdom of the decision makers listed on the right hand column. They are the key persons and the results in global scale depend on them. Their awareness about Disaster Victim Identification should be raised. When DVI is understood on the highest levels of the governmental and nongovernmental bodies, the operational personnel, the Interpol DVI-Team members, will get the necessary resources. There is the possibility to build a cooperation and back-up system by concerting the Interpol and UNDRO efforts.

On the general level we would like to warn about *Quasi Experts* as a hidden risk and cite again the wise words of Dr. Rolf Endris, to be found in his excellent and comprehensive book "Forensische Katastrophenmedizin", Heidelberg, 1982, Vorwort, Seite vi

*"Die Forensische Katastrophenmedizin lebt grösstenteils vom Know-How" -  
The Forensic Disaster Medicine lives mostly from Know-How.*

But not only doctors of medicine are worth citing here. The motto of the dissertation of Captain Hannu Mäkelä is the words of a Sergeant Major (SgtMaj. Mark Berett, 101 U.S. Airborne Division, in the Operation "Desert Storm", February, 1991):

**"FAIL TO PREPARE - PREPARE TO FAIL"**

