# Expert meeting on cyber crime: Data retention

| Date | Start | 11 April 2002 h. 10:00 | End | 11 April 2002 h. 11:00 |
|------|-------|------------------------|-----|------------------------|
| Place | Europol Building, Raamweg 47, The Hague | | | |
| Chair | Europol (to be decided) | | | |

## [DRAFT] AGENDA

## Closed session: discussion amongst experts from Law Enforcement

| No. | Subject | Document reference |
|-----|---------|--------------------|
| 1 | Welcome and introduction | |
| 2 | Adoption of the agenda | 5121-20020411Agr1 |
| 3 | High Tech Crime Centre at Europol - Brief presentation of outcome of HENU meeting 12-13 April 2002.<br><br>Experts to comment | 2565-50r3 – Project Initiation Document |
| 3 | Data retention:<br><br>• Presentation regarding outcome of the questionnaire (Nicola Dileone – Europol)<br><br>• Proposal for common European Union law enforcement viewpoint on data retention<br><br>Experts to comment and agree to proposal when appropriate | 5121-20020411-Summary Questionnaire |

| 4 | Creating a common and standard template for asking information to ISP/Telephone companies | Template to be provided |
|---|---|---|
| | Experts to comment and agree to proposal when appropriate | |
| 5 | List of contact points – including both Member States | 2570-40rev3 |
| | Experts to agree when appropriate | |

## List of minimum and optional data to be retained by Service Provider and Telcos

Data that must be retained by Internet Service Providers:

| 1. Network Access Systems. | | |
|---|---|---|
| | (NAS) *Access logs specific to authentication and authorization servers such as TACACS+ (Terminal Access Controller Access Control System) or RADIUS (Remote Authentication Dial in User Service) used to control access to IP routers or network access servers* | Member State comments: |
| A<br>Minimum<br>List | Date and time of connection of client to server<br><br>User-id and password<br><br>Assigned IP address NAS Network attached storage IP address<br><br>**Number of bytes transmitted and received**<br><br>**Caller Line Identification (CLI)** | |

| B<br>Optional<br>List | User's credit card number / bank account for the subscription payment | |
|---|---|---|
| **2. Email servers** | | |
| | **SMTP (Simple Mail Transfer Protocol)** | **Member States comments:** |
| Minimum<br>List | Date and time of connection of client to server<br><br>IP address of sending computer<br><br>Message ID (msgid)<br><br>Sender (login@domain<br><br>Receiver (login@domain) .<br><br>Status indicator | |
| | **POP (Post Office protocol) log or IMAP (Internet Message Access Protocol) log** | **Member States comments:** |
| Minimum<br>List | Date and time of connection of client to server<br><br>IP address of client connected to server<br><br>User-id<br><br>In some cases identifying information of email retrieved | |
| **3. File upload and download servers** | | |
| | **FTP (File Transfer Protocol) log** | **Member States comments:** |

| A<br>Minimum<br>List | Date and time of connection of client to server<br><br>IP source address<br><br>**User-Id and password**<br><br>**Path and filename of data object uploaded or downloaded** | |
|---|---|---|
| B<br>Optional<br>List | | |

## 4. Web servers

| | *HTTP (HyperText Transfer Protocol) log* | Member States comments: |
|---|---|---|
| A<br>Minimum<br>List | Date and time of connection of client to server<br><br>IP source address<br><br>Operation (i.e. GET command)<br><br>Path of the operation (to retrieve html page or image file)<br><br>**Those companies which are offering their servers to accommodate web pages should retain details of the users who inserts these web pages (date, time, IP, User ID, etc.)** | |
| B | "Last visited page" | |

| Optional List | Response codes | - |
|---|---|---|

## 5. Usenet

| | *NNTP (Network News Transfer Protocol) log* | **Member States comments:** |
|---|---|---|
| Minimum List | Date and time of connection of client to server | |
| | Protocol process ID (nnrpd[NNN...N]) | |
| | Hostname (DNS name of assigned dynamic IP address) | |
| | Basic client activity (no content) | |
| | Posted message ID | |

## 6. Internet Relay Chat

| | *IRC log* | **Member States comments:** |
|---|---|---|
| A Minimum List | Date and time of connection of client to server | |
| | Duration of session | |
| | Nickname used during IRC connection | |
| | Hostname and/or IP address | |
| B General Optional List | Copy of the contract | |
| | Bank account / credit card for the payment | |

**7. Data that must be retained by telephone companies for fixed numbers' users:**

|  |  | Member States comments: |
|---|---|---|
| A<br><br>Minimum<br><br>List | Called number even if the call was not successful | |
|  | Calling number even if the call was not successful | |
|  | Date and time of the start and the end of the communication | |
|  | Type of communication (incoming, outgoing, link through, conference) | |
|  | In case of conference calls or call to link through services, all intermediate numbers | |
|  | Information both on the subscriber and on the user (name, date of birth, address) | |
|  | Address where the bill is sent | |
|  | Both dates (starting and ending) from when the subscription has been signed and dismissed | |
|  | Type of connection the user has (normal, ISDN, ADSL etc., and whether it is for in-out calls or for incoming only) | |
|  | **The forwarded called number** | |
|  | **The time span of the call** | |

| | Bank account number/other means of payment | |
|---|---|---|
| B<br><br>Optional<br><br>List | Copy of the contract<br><br>**For a better investigative purpose Telcos should be able to know the nature of the telecommunication: voice/modem/fax etc.** | |

**8. Data that must be retained by telephone companies for mobile / satellite numbers' users:**

| | | Member States comments: |
|---|---|---|
| A<br><br>Minimum<br><br>List | Called number even if the call was not successful | |
| | Calling number even if the call was not successful | |
| | Date and time of the start and the end of the communication | |
| | Type of communication (incoming, outgoing, link through, conference) | |
| | For conference calls or call to link through services, all intermediate numbers | |
| | Information both on the subscriber and on the user (name, date of birth, address) | |
| | IMSI and IMEI numbers | |
| | Address where the bill is sent | |

| | |
|---|---|
| Both dates (starting and ending) from when the subscription has been signed and dismissed | |
| The identification of the end user device | |
| The identification and geographical location of the cells that were used to link the end users (caller, called user) to the telecommunication network | |
| Geographical location (coordinates) of the mobile satellite ground station | |
| Type of communication (incoming, outgoing, link through, conference) | |
| WAP service | |
| SMS service (date and time incoming / outgoing and telephone number) | |
| GPRS service | |
| For conference calls or call to link through services, all intermediate numbers | |
| **The forwarded called number** | |
| **The time span of the call** | |
| **Bank account number/other means of payment** | |
| **As GPRS and UMTS work on Internet base, thus all the data above mentioned (as IP address) should be** | |

| | preserved | - |
|---|---|---|
| B<br><br>Optional<br><br>List | Copy of the contract<br><br>**For a better investigative purpose Telcos should be able to know the nature of the telecommunication: voice/modem/fax etc.** | |

## 9. Numbers format:

| | *All telephone numbers (for both ISP and telephone companies) should be composed by:* | Member States comments: |
|---|---|---|
| | Country number<br><br>Area number<br><br>Subscribers number<br><br>**All information in ASCII code with tab separators and carriage return**<br><br>**As some services allow users to connect to a foreigner IPS through the use of a national toll free number, thus the structure of this number is required** | |

## 10. Time synchronisation:

| | *Telecommunication operators, internet access providers and internet service providers have to* | Member States comments: |
|---|---|---|

synchronise their servers with a time server of their countries with the specification of GMT