

## Expert meeting on cyber crime: Data retention

Date	Start	11 April 2002 h. 10:00	End	11 April 2002 h. 17:00
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	5121-20020411 Agr1
3	High Tech Crime Centre at Europol - Brief presentation of outcome of HENU meeting 12-13 April 2002.  Experts to comment	2565-50r3 - Project Initiation Document
3	Data retention: <ul style="list-style-type: none"> <li>• Presentation regarding outcome of the questionnaire (Nicola Dileone - Europol)</li> <li>• Proposal for common European Union law enforcement viewpoint on data retention</li> </ul> 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 Experts to comment and agree to proposal when appropriate	Template to be provided
5	List of contact points – including both Member States and Industry Experts to agree when appropriate	2570-40rev3

# EUROPOL

The Hague, 28 December 2001  
 File n° 5121-20020411LR-Questionnaire

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

Data that must be retained by Internet Service Providers:

### 1. Network Access Systems.

	<p>(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</p>	<p>Member State comments:</p>
<p>A            Minimum List</p>	<p>Date and time of connection of client to server            User-id and password            Assigned IP address NAS Network attached storage IP address  <u>Number of bytes transmitted and received</u>  <u>Caller Line Identification (CLI)</u></p>	

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

<p>A Minimum List</p>	<p>Date and time of connection of client to server IP source address <u>User-Id and password</u> <u>Path and filename of data object uploaded or downloaded</u></p>	
<p>B Optional List</p>		
<p><b>4. Web servers</b></p>		
<p><b>HTTP (HyperText Transfer Protocol)</b></p>		
<p>A Minimum List</p>	<p>Date and time of connection of client to server IP source address Operation (i.e. GET command) Path of the operation (to retrieve html page or image file) <u>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.)</u></p>	<p>Member States comments:</p>
<p>B</p>	<p>"Last visited page"</p>	

Optional List	Response codes	
<b>5. Usenet</b>		
<b>NNTP (Network News Transfer Protocol) log</b>		<b>Member States comments:</b>
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	
<b>6. Internet Relay Chat</b>		
<b>IRC log</b>		<b>Member States comments:</b>
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:**

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

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

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

<b>Member States comments:</b>	
A Minimum 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



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

	<p><u>preserved</u></p> <p>Copy of the contract</p> <p><u>For a better investigative purpose Telcos should be able to know the nature of the telecommunication: voice/modem/fax etc.</u></p>
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9. Numbers format:

	<p><i>All telephone numbers (for both ISP and telephone companies) should be composed by:</i></p> <p>Country number</p> <p>Area number</p> <p>Subscribers number</p> <p><u>All information in ASCII code with tab separators and carriage return</u></p> <p><u>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</u></p>	<p>Member States comments:</p>
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10. Time synchronisation:

	<p><i>Telecommunication operators, internet access providers and internet service providers have to</i></p>	<p>Member States comments:</p>
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	<i>synchronise their servers with a time server of their countries with the specification of GMT</i>	
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