

Government of India
Ministry of Communications
Department of Telecommunications
Sanchar Bhawan, 20, Ashoka Road, New Delhi - 110 001
(Data Services Cell)

No. 820-01/98-LR /Vol. (VII) Part-II

Dated: 03/04/2021

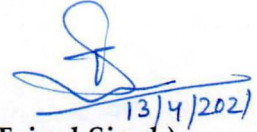
To,

All Internet Service Licensee's {ISP license 2002/2007/UL(ISP)/UL(VNO)-ISP}

Kind reference is invited to the following security conditions mentioned in Unified License(UL) ISP license or corresponding security conditions mentioned thereof in respective ISP licenses:

- i. The Licensee shall maintain all commercial records/ Call Detail Record (CDR)/Exchange Detail Record (EDR)/ IP Detail Record (IPDR) with regard to the communications exchanged on the network. Such records shall be archived for at least one year for scrutiny by the Licensor for security reasons and may be destroyed thereafter unless directed otherwise by the Licensor. Licensor may issue directions /instructions from time to time with respect to CDR/IPDR/EDR.
 - ii. For security reasons, domestic traffic of such entities as may be identified / specified by the Licensor shall not be hauled/ routed to any place outside India.
 - iii. The Licensee shall not transfer the following to any person/place outside India:
 - a) Any accounting information relating to subscriber (except for international roaming/billing)
 - b) User information (except pertaining to foreign subscribers using Indian Operator's network while roaming and IPLC subscribers).
2. Subsequently, DoT has issued the following Instruction/Guidelines:
- i. **"Instructions under the Internet service License regarding provision of Wi-Fi Internet service under delicensed frequency band"** (DoT letter No. 820-1/2008-DS Pt. II dated 23.02.2009). (Copy enclosed)
 - ii. **"Parameter of IPDR and SYS LOG of Network Address Translation(NAT)"** (DoT letter No.820-01/98-LR/Vol.(IX) PL. I dated 01.10.2013). (Copy enclosed)
3. In light of the above, all Internet Services Providers are again instructed to scrupulously comply the above said license conditions/Instructions.

4. In addition, as per para (3) of instruction "**Parameter of IPDR and SYS LOG of Network Address Translation(NAT)**" dated 01.10.2013, TSPs/ISPs shall ensure that all subscribers other than individual subscribers shall record and maintain NAT SYS Log parameters in India as per specified format. In no case, the subscriber data/IPDR data/NAT SYS Log data shall be taken outside country.



13/4/2021

(Tejpal Singh)

Director (DS-II)

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Government of India
Ministry of Communications & IT
Department of Telecommunications
Sanchar Bhawan, 20, Ashoka Road, New Delhi - 110 001
(DS-Cell)

No. 820-1/2008-DS Pt.II

Dated: 23.02. 2009

To

All Internet Service Providers

Subject: Instructions under the Internet Service Licence regarding provision of Wi-Fi Internet service under delicensed frequency band

In the recent past concerns have been raised that Wi-Fi Networks were being misused by anti-social elements. Insecure Wi-Fi networks are capable of being misused without any trail of user at a later date. In order to address the issue related to insecure Wi-Fi network, all the Internet Service providers are hereby instructed to follow the following procedure for the secure use of Wi-Fi services under the delicensed frequency band in the interest of security of the nation with immediate effect:

(I) (a) Internet services (wired/wireless) provided by Licencee to new Subscriber

- (i). Licencee will ensure a registered and secure Internet service including Wi-Fi connectivity through user Login ID and password to all the subscribers with central authentication mechanism.
- (ii). Licencee shall deploy suitable Customer Premises Equipment (CPE) for wired / wireless internet connectivity at subscriber

end, keeping in view the further deployment of Wi-Fi connectivity for implementing the (i) above.

- (iii). Licencee shall ensure that unique user ID and Password do not have provisions for simultaneous multiple logins. Licencee may give more than one user ID and Password to a single subscriber for multiple usage for his internet account.
- (iv). Licencee shall put a clause in Subscriber Agreement of new subscribers that any Wi-Fi connectivity deployed by subscriber has to be activated only after it is registered for centralized authentication with the Licencee.

(b) Wi-Fi services provided at public places i.e Hotels, Restaurant, Airports Malls, Shops, Railway Stations through hotspot.

- (i). Licencee shall create bulk Login IDs at each Wi-Fi hotspot location for controlled distribution. The authentication shall be done at a centralized server only which could be a POP location of the service provider.
- (ii). Licencee or its Franchisee shall register the Subscribers for providing temporary Login ID and password for the use of public Wi-Fi spot through either of the following methods:
 - a. Retaining a copy of Photo Identity of the subscriber with Licencee which shall be preserved by the Licencee for a period of one year.
 - b. Provisioning of Login-ID and Password through SMS on subscriber's mobile phone through automated process and keeping mobile number of subscriber as the identity of the internet subscriber with reference to

Login-ID provided for a period of one year. In such cases, photo identity may not be necessary.

(c) Internet subscriber on Lease Lines

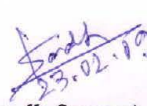
- (i). Licencee will direct and take compliance from Leased line based internet subscribers to setup and maintain centralized authentication themselves for Internet Services including Wi-Fi usage. Leased line based internet subscribers shall also have the option to get the centralized authentication for their internet usage by the respective Licencee.

(d) Wi-Fi services deployed by existing subscriber

- (i). Licencee shall ensure compliance to Para (I)(a)(i) to (I)(a)(iii) for all existing Wi-Fi customers who have taken Wi-Fi services from the Licencee.
- (ii). Licencee will inform their Internet subscriber about registering Wi-Fi connectivity with Licencee through monthly bills, emails etc. at regular interval.
- (iii). Efforts shall also be made to create awareness among public for using registered Wi-Fi connectivity.
- (iv). Licencee shall direct its existing Internet subscribers, including those who have deployed Wi-Fi routers themselves, to get the Wi-Fi Internet connectivity registered with Licencee within four months.
- (v). If it comes to the notice of Licensee that the internet subscriber has not registered with the licensee and is using Wi-Fi connectivity, Licensee is hereby directed to suspend the

internet services to such subscribers till they are registered with the Licencee.

- (II) Para I(a)(i) to I(a)(iii) shall also be applicable for provisions in Para (I)(b)&(c) also. All the above actions shall be implemented within four months.


(Subodh Saxena)
Director(DS-II)
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Copy to:

1. Secretary, TRAI, New Delhi
2. Wireless Advisor, WPC Wing, New Delhi
3. DDG(Security), DoT, New Delhi
4. DDG(AS-I), DoT, New Delhi
5. DDG(AS-II), DoT, New Delhi
6. DDG(C&A), DoT for posting on the DoT website

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Government of India
Ministry of Communications & IT
Department of Telecommunications
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(Data Services Cell)

No. 820-01/98-LR/Vol.(IX) Pt..I

Dated : 01.10.2013

To
All Internet Service Providers
All UASL/CMTS/UL(AS)/UL Licensees

Subject: Parameters for Internet Protocol Detail Record (IPDR) and SYS LOG of Network Address Translation (NAT)

The Internet Protocol Detail Record (IPDR) format for Internet and GPRS Services and Parameters to be stored for SYS Log of Network Address Translation (NAT) have been finalized.

2. The Internet Service Providers and the UASL/CMTS/UL(AS)/UL Licensees are hereby directed to maintain log for the following parameters with immediate effect:

(i) IPDR Parameters to be stored in respect of Internet and GPRS Services:

Sr. No.	Parameters
1*	Name of person/organization
2*	Address
3	Contact No.
4**	Alternate Contact No.
5**	E-mail Address
6	Landline /MSISDN/ MDN /Leased circuit ID for Internet Access
7	User ID for Internet Access based on authentication
8	IP address assigned
9	Static /Dynamic IP Address Allocation
10	Source port of the public IP Address in case of NATING
11	IST Start Time of IP address allocation (hh:mm:ss)
12	IST end Time of IP address allocation (hh:mm:ss)
13	Start Date of IP address allocation(dd/mm/yyyy)
14	End Date of IP address allocation(dd/mm/yyyy)
15****	Source MAC Address / Other device Identification number

(Sr. 1 to 5 above may be stored from Customer Acquisition Form (CAF))

(* - Photo ID & Address Proof are required to be maintained separately by the Service Providers)

(**:- Optional)

(***- In place of customer device MAC address, virtual MAC Address of DSLAM/routing device is captured in some of the systems.)

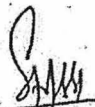
- (ii) Parameters to be stored in SYS LOG of Network Address Translation (NAT) for Internet Access:

Sr. No.	Parameters
1	Start Date (mm:dd:yyyy) & Time (hh:mm:ss)
2	End Date (mm:dd:yyyy) & Time (hh:mm:ss)
3	Source IP Address
4	Source Port
5	Translated IP Address
6	Translated Port
7	Destination IP Address
8	Destination Port

- Term SYSLOG here refers to Logs for Network Address Translation.
- Aforesaid parameters shall also be applicable for NAT mechanism for Dual Stack in IPv6 Network.

3. Internet Service Providers and UASL/CMTS/UL(AS)/UL Licensees shall communicate to their subscriber, other than individual subscribers for recording and maintaining of NAT SYS Log Parameters as mentioned in Para 2 (ii) above for any NAT mechanism deployed by them for access of Internet over the Internet connectivity. The Service Providers shall also obtain the compliance from them in this regard.

Compliance may kindly be communicated immediately.


01.10.2013
(S.T. Abbas)

Director (DS-II), DoT