I/3060392/2022

No: 820-01/98-LR/Vol.(X)Pt.-III
Government of India
Ministry of Communications
Department of Telecommunications
Sanchar Bhawan, 20, Ashoka Road, New Delhi-110001
(DS-Cell)

Dated: $approved date$

To,
All Licensees providing Internet Service

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

Reference: (i)   DOT instructions vide letter No.8520-01/98-LR/Vol. (IX) Pt. I dated 16.11.21
(ii)   Minutes of meeting held on 12.4.22 issued vide DOT No. 820-1/98-LR/(Vol(x)(Part-1) dated 21.4.22
(iii)   DOT letter No. DS-16/13/2017-DS-III (Vol-II) dated 22.6.22
(Copies enclosed for ready reference)

        This is with reference to the compliance of DOT instruction regarding revised IPDR format under reference (i) above. The said requirement is related to security and is accordingly required to be complied with on top priority.

2.   The said revised format was to come into effect w.e.f. 31.03.22. The last date of compliance of was extended from 31.3.22 to 31.5.22 and then to 30.6.22 vide DOT communications under reference (ii) and (iii) above, respectively, considering the representation of industry.

3.   The last date for compliance of the said DOT instructions has now been extended till **31.10.22.**

4.   The compliance of the DOT instructions under reference (i) above shall be submitted to the respective LSAs of your operation **latest by 3.11.22** This compliance is being sought as per condition No 39.20 of Chapter-VI- Security Conditions of Unified License / Clause 34.23 of Internet Service License 2007.

U.C. Meena ADG (DS-II)
Subodh Saxena

Encl. As above

Copy to:

1. DGT with request to kindly arrange to intimate the list of non compliant Licensees, with regard to above, to the undersigned on email id dirds2-dot@nic.in latest by **10.11.22.**

I/3060392/2022

Copy for kind information to:

1. Chairman DCC & Secretary (T)
2. Member (T)

No 8520-01/98-LR/Vol.(IX) Pt.I   Dated: 16.11.2021

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

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

      Internet Protocol Detail Record (IPDR) format for Internet (Wireless and Wire line) Services and Parameters to be stored for SYS Log of Network Address Translation (NAT) issued vide letter no No 8520-01/98-LR/Vol.(IX) Pt.I. dated 01.10.2013 are hereby revised as per the details given below.

2. The Internet/Telecom Services 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 (for IPv4/IPv6) to be stored in respect of Wireless/Wire line Internet Services:

Sr. No.	Parameters	Remarks
1	Name of person/organization	Photo ID & Address Proof are required to be maintained separately by the Service Providers
2	Address	
3	Contact No.	
4	Alternate Contact No.	Optional
5	E-mail Address	
6	Landline/MSISDN /MDN/Leased circuit ID for internet Access	
7	User ID for internet Access based on authentication	
8	Source IP address with Source Port *	Refer note (b) for NATing
9	Static/Dynamic IP Address Allocation	Whether Static/ Dynamic
10	Destination IP with destination port*	Refer note (b) for NATing
11	IST Start Time of IP address allocation (hh:mm:ss)	
12	IST end Time of IP address allocation (hh:mm:ss)	In case of dynamic IP allocation or change of IP
13	Start Date of IP address allocation (dd/mm/yyyy)	

14	End Date of IP address allocation (dd/mm/yyyy)	In case of dynamic IP allocation or change of IP
15	Source MAC Address/IMEI/ Other device Identification number	in place of customer device MAC address, virtual MAC address of DSLAM/routing device is captured in some of the systems
16	IMSI and SIM type	Only in case of Mobile, IMSI and type of SIM (Physical or e-SIM) to be stored

Note: a. Sr. No. 1 to 5 above may be sourced from Customer Acquisition Form (CAF)

b. *In case of Private IP address, SYS LOG and NAT details as per 2(ii) are also required.

(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

Note: a) Term SYSLOG here refers to Logs for Network Address Translation.

b) 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 this regard. The revised IPDR format will come into effect w.e.f 31.03.2022.

16/11/21

Director (DS-II), DoT
Phone: 011-23036860