

Government of India
Ministry of Communications
Department of Telecommunications
Sanchar Bhawan, 20, Ashoka Road, NewDelhi-110001
(Data Services Cell)

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.	Optional
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	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
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