

Government of India
Department of Telecommunications
(Data Services Cell)

No. 820-1/98-LR/Vol(X)(Part-1)

Date: 04.05.2022

To,
DGT (DOT)
Sanchar Bhawan, New Delhi.

Respected Sir,

Subject: Compliance of revised IPDR format notified vide DOT letter no 8520-01/98-LR/Vol.(IX) Pt. I dated 16.11.2021.

Kindly refer to the revised IPDR format notified vide DoT letter no. 8520-01/98-LR/Vol.(IX) Pt. I dated 16.11.2021 (**Annexure III**). On the request of Licensee associations, the competent authority has agreed to extend the timelines for submission of compliance from 31.03.2022 to 31.05.2022 vide minutes of the meeting held on 12.4.2022 (**Annexure IV**).

2. In view of above, the undersigned has been directed to request DGT office, DoT HQ to kindly arrange to seek compliance from the operators in the respective Service Areas in the format enclosed as **Annexure I**. Thereafter DGT office is requested to arrange to provide consolidated report on email id adgds2-dot@gov.in or dirids2-dot@nic.in latest by **05.06.2022** in the format enclosed as **Annexure II**.

Vivek Narayan

(Vivek Narayan)
DDG (DS)
Tel:011-23717050

Encl. As above.

Copy to:

1. Member(T), DoT
2. DDG(AS)/DDG(CS)/DDG(SA)
3. BSNL / MTNL / RJIO/ Airtel / Vodafone Idea / All other ISPs / UASL / CMTS / UL(AS) / UL Licensees.
4. COAI / ISPAI / ACTO

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Annexure-I

S. No.	Particulars	Reply of Licensee
(i)	Name of the Licensee	
(ii)	License No. for Internet Service authorization	
(iii)	Service Area	
(iv)	Whether each of the fields required in IPDR as per DoT letter no. 8520-01/98-LR/Vol.(IX) Pt. I dated 16.11.2021 are being maintained and can be retrieved and provided to LEAs on request (request as per stipulated procedure) in respect of:	
	(a) IP Traffic for IPv4 without NATing	Yes / No
	(b) IP Traffic for IPv4 with NATing	Yes / No
	(c) IP Traffic for IPv6 without NATing	Yes / No
	(d) IP Traffic for IPv6 with NATing	Yes / No
	(e) Any other Scenario deployed by ISP, please specify for each Scenario	Yes / No
	(f) Whether compliance has been obtained from each of the subscribers (other than individual subscriber) for maintaining NAT sys LOG as per para 3 of DoT letter no. 8520-01/98-LR/Vol.(IX) Pt. I dated 16.11.2021	Yes / No
(v)	In case the response to any of the scenarios in Para (iv) (a) to (f) is no, please specify reason for non-compliance.	

Annexure II

LSA wise report from the office of DGT regarding Compliance of revised IPDR format notified vide DOT letter no 8520-01/98-LR/Vol.(IX) Pt. I dated 16.11.2021.

S.No.	Name of LSA	Total No. of ISP/UASL/ CMTS / UL(AS) Licensees in the LSA	No. of Licensees complying to each of the requirements in said DOT letter dated 16.11.2021 iro all parameters.	No. of Licensees not complying to requirements in said DOT letter dated 16.11.2021 iro any parameter. (Enclose list of such Licensees LSA Wise)	Remarks
A	B	C	D	E	F

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Government of India
Ministry of Communications
Department of Telecommunications
Sanchar Bhawan, 20, Ashoka Road, New Delhi-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)	


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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

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

No. 820-1/98-LR/Vol(X)(Part-1)

Dated: 21.04.2022

Subject: Minutes of Meeting of Review of implementation status of revised IPDR format notified vide DOT letter no 8520-01/98-LR/Vol.(IX) Pt. I dated 16.11.2021 and representation dated 29.03.2022 from the operator associations.

A review meeting was held on 12.04.2022, under the chairmanship of Member (T), in 2nd floor Committee room in Sanchar Bhawan, New Delhi at 11:00 Hrs. on the subject. List of participants is enclosed as **Annexure-I**. Member (T) welcomed the representatives of COAI, ISPAL, ACTO, participating Telecom Service Providers.

2. After initial introduction, DDG (DS), appraised relevant License condition i.e. Clause 7.1 in Chapter-IX- Internet Service and Clause 2.6 in Chapter-VIII- Access Services with reference to requirement of maintenance of IPDR as per directions/instructions issued time to time by Licensor.

3. Further, with regard to the three points raised by associations in letter dated 29.03.2022, it was clarified that:

- (i) The format of IPDR as specified by DOT vide letter dated 16.11.21 is very much technically feasible in all cases including IPV4 (with / without NATING), IPV6 (with / without NATING), etc. In case required by operators, readymade solutions are available in market.
- (ii) DOT has never mandated NATING. Further, even as per directions of DOT dated 1.10.2013 regarding format of IPDR, IPDR was required to be maintained even in case of IP traffic without NATING.
- (iii) DOT had sought compliance of its directions dated 16.11.2021. 28 ISPs and 1 Access Service Provider namely BSNL have given compliance to the revised format of IPDR as on 12.04.2022.
- (iv) On the point regarding request of associations for consultation with industry, it was highlighted that the guidelines have been issued only after consultation for which a joint group was constituted on 30.08.2017 consisting of representatives of COAI, ISPAL, AUSPI, DoT and LEAs.

4. The seriousness of the issue was impressed on the operators. It was also pointed out that the data traffic is bound to increase phenomenally on roll out of 5G services in India. There will be substantial IPV6 traffic in case of 5G.

5. The time line of compliance was 31.3.2022 which is already over. However, in view of the request of the operators for additional time, the deadline for compliance of said DOT letter no 8520-01/98-LR/Vol.(IX) Pt. I dated 16.11.2021 was extended to till 31st May, 2022, without fail. The said compliance needs to be in respect of all scenarios including IPV4 (with / without NATING), IPV6 (with / without NATING), etc. All ISPs / UASL / CMTS / UL(AS) / UL Licensees are required to take immediate action on top priority, accordingly.

6. The meeting ended with the vote of thanks to the Chair.

This issues with the approval of Competent Authority.

21.04.22
(U.C. Meena)
ADG (DS-II)
Tel: 9868131311

Encl. As above.

Copy for necessary action to:

1. DG (Telecom), DoT.
2. DDG (DS)/DDG (CS)/DDG (SA-I)/DDG (AS), DoT.
3. COAI / ISPAI / ACTO
4. BSNL / MTNL / RJIO/ Airtel / Vodafone Idea / All other ISPs / UASL / CMTS / UL(AS) / UL Licensees

Copy for kind information to:

1. Sr.PPS Secretary, DOT
2. Sr. PPS to Member (T), DoT.

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Meeting dated 12.04.2022 at 1100 Hrs. on review of implementation status of revised IPDR format. (Part A).

Annexure-I

S. No.	Name & Designation	Company/ Organisation
1.	Sh. Lokesh kewalramani , Sr Manager	Bharti Airtel Limited
2.	Sh. Vivek Kumar, Head Data Planning	Bharti Airtel Limited
3.	Sh. Sanjeev Arora, EVP-Regulation	Vodafone Idea Limited
4.	Sh. Shashank Tyagi, ACNO Regulatory	Vodafone Idea Limited
5.	Sh. Amit Kushwaha, Director-External & Regulatory	AT&T
6.	Sh. M K Gupta, Group Leader	C-DoT
7.	Sh. Pramod Kumar, Group Leader	C-DoT
8.	Sh Bikash Suman, Nodal Officer	Telstra Telecommunication Pvt. Ltd.
9.	Sh. Vikram Tiwathia, DDG	COAI
10.	Sh. Saurabh Puri, ADG	COAI
11.	Sh. Vikas Singh, Manager	COAI
12.	Sh. Kshem Kapoor, Head Telecom Infra	COAI
13.	Ms. Sudipta Basu, General Manager	PGCIL
14.	Sh. Rajeev Bansal, GM(NWD-CM-1)	BSNL
15.	Sh. Harendra Makkad, GM(Regulation)	BSNL
16.	Ms. Niharika Nandan, RA	ISPAI
17.	Sh. Praveen Sharma, Secretary	ISPAI
18.	Sh. Vivek Narayan, DDG(DS)	DoT
19.	Sh. S K Singhal, DDG(AS)	DoT
20.	Sh. Sharad Trivedi, DDG(CS)	DoT
21.	Sh. Tejpal Singh, Director(DS-II)	DoT

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22.	Sh. U.C.Meena, ADG(DS-II)	DoT
23.	Sh. Gopal Singh, DGM(NSS & Planning)	BSNL
24.	Sh. Mahipal Singh, Sr. VP Regulatory	RJIL
25.	Sh. Himanshu Sharma, ADG	DoT

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Government of India
Ministry of Communications
Department of Telecommunications
Sanchar Bhawan, 20-Ashoka Road, New Delhi-110001
(DS Cell)

No. DS-11/73/2023-DS-III

Dated : 27.09.2023

To,
All TSPs / ISPs / PDOAs

Subject: Deployment of PM WANI hotspots to fulfil the need of huge data download in study centers / Libraries / hostels, etc.

It has come to notice that Internet access is being provided by owners of self study halls / libraries, etc. to students / public who avail the services of such places by sharing wifi password. **The data download in each such facilities is huge and amounts to Tera bytes per month.**

2. The above arrangement does not ensure proper usage of terminal at subscriber premises and IPDR of users of Internet along with their traceable identity can not be provided.

3. As per information downloaded from Internet there are large number of such centers in Urban and Rural areas, all across the country. A search on Internet on the following key words would provide name and contact details of such centers:

- i. Reading rooms near me
- ii. Self study library near me, etc.

4. It is also seen that there are hostels / staying facility, etc. for users of such facility which are either providing internet in similar manner as above or do not have internet at all.

5. In view of above, it is requested as follows:

(i) Ascertain the specific mode of provision of internet to the users of study hall / Library, etc. for corrective action, wherever required, in view of paras 1 and 2 above.

(ii) One of the most effective solutions would be deployment of PM WANI hotspots in places stated in paras 3 and 4 above so as to fulfil the need of enormous data download, along with IPDR with traceable identity of user.

This may be an ideal use case of PM WANI and has potential to make PM WANI commercially viable in near future. Also since the number of such centers are in thousands, Pan India, the number of PM WANI hotspots will get a major boost.

Vivek Narayan
(Vivek Narayan)
DDG DS DOT
Tel no. 011-23717050

Copy for kind information to:

1. Secretary (T)
2. Member, (T)
3. CEO CDOT
4. DGT

(विवेक नारायण)
(VIVEK NARAYAN)
उप महासंचालक (डेटा सेवा)
Dy. Director General (Data Service)
संचार विभाग, भारत सरकार
Deptt. of Telecom, Govt. of India
नई दिल्ली/New Delhi