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**Government of India  
Ministry of Communications and IT  
Department of Telecommunications  
(Access Service Cell)  
Sanchar Bhawan, 20, Ashok Road, New Delhi-110001**

**File No:** 800-12/2013-AS.II

**Dated:** ---June' 2013

**To**  
All UAS Licensee(s)

**AMENDMENT 2 OF 2013**

**Subject:** Amendment to the UAS License agreement regarding Central Monitoring System.

The Government has decided to set up Centralized Monitoring System (CMS) for lawful interception and monitoring of communications. For the implementation of the same, LICENSEE's Lawful Interception System needs to be connected to the CMS at Regional Monitoring Centre (RMC) through Interception Store and Forward (ISF) server placed in LICENSEE's premises.

For this purpose, kindly find hereby enclosed the amendment to the condition 41.10 of the UAS license(s)

(A.K.Tirkey)  
AD (AS-II)

**Copy to:**

1. Secretary, TRAI
2. Sr. DDG, TEC
3. Sr. DDG (TERM), DoT
4. DDG (Security), DoT
5. All DDsG TERM.
6. Director (AS-I)/ Director (AS-III)/ Director (AS-IV), Dir(AS-V), DoT

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Sanchar Bhawan, 20, Ashok Road, New Delhi-110001

File No: 800-12/2013-AS.II

Dated: ---June' 2013

**AMENDMENT 2 OF 2013**

**Subject: Amendment to the Unified Access Services (UAS) Licence agreement.**

In exercise of the power vested in the Licensor under clause 5.1 of Unified Access Service (UAS) Licence Agreement, inter-alia, reserving the right to modify at any time the terms and conditions of the LICENCE, in public interest, security of the nation or proper conduct of the SERVICE, the Licensor hereby amends, with immediate effect, the following clause(s) of the said Licence, namely:-

Clause No.	Existing Clause	Amended Clause
41.10	41.10 The designated person of the Central/ State Government as conveyed to the Licensor from time to time in addition to the Licensor or its nominee shall have the right to monitor the telecommunication traffic in every MSC/ Exchange/MGC/MG or any other technically feasible point in the network set up by the LICENSEE. The LICENSEE should make arrangement for monitoring simultaneous calls by Government security agencies. The hardware at LICENSEE's end and software required for monitoring of calls shall be engineered, provided/installed and maintained by the LICENSEE at LICENSEE's cost. However, the respective Government instrumentality shall bear the cost of user	41.10 The designated person of the Central/ State Government as conveyed to the Licensor from time to time in addition to the Licensor or its nominee shall have the right to monitor the telecommunication traffic in every MSC/ Exchange/MGC/MG or any other technically feasible point in the network set up by the LICENSEE. The LICENSEE should make arrangement for monitoring simultaneous calls by Government security agencies. The hardware at LICENSEE's end and software required for monitoring of calls shall be engineered, provided/installed and maintained by the LICENSEE at LICENSEE's cost. However, the respective Government instrumentality shall bear the cost of user end hardware and leased line circuits from the MSC/ Exchange/MGC/MG to the monitoring centres to be located as per their choice in their premises or in the premises of the LICENSEE. <b>But, in case of Centralized Monitoring System (CMS),</b>

end hardware and leased line circuits from the MSC/Exchange/MGC/MG to the monitoring centres to be located as per their choice in their premises or in the premises of the LICENSEE. In case the security agencies intend to locate the equipment at LICENSEE's premises for facilitating monitoring, the LICENSEE should extend all support in this regard including Space and Entry of the authorized security personnel. The Interface requirements as well as features and facilities as defined by the Licensor should be implemented by the LICENSEE for both data and speech. Presently, the LICENSEE should ensure suitable redundancy in the complete chain of Monitoring equipment for trouble free operations of monitoring of at least 480 simultaneous calls as per requirement with at least 30 simultaneous calls for each of the designated security/law enforcement agencies. Each MSC of the Licensee in the service area shall have the capacity for provisioning of at least 3000 numbers for monitoring. Presently there are nine (9) designated security/law enforcement agencies. The above capacity provisions and no. of designated security/law enforcement agencies may be amended by the Licensor separately by issuing instructions at any time.

Along with the monitored call following records should be

**Licensee shall provide the connectivity upto the nearest point of presence of MPLS (Multi Protocol Label Switching) network of the CMS at its own cost in the form of dark fibre with redundancy. If dark fibre connectivity is not readily available, the connectivity may be extended in the form of 10 Mbps bandwidth upgradable upto 45 Mbps or higher as conveyed by the Government, till such time the dark fibre connectivity is established. However, LICENSEE shall endeavor to establish connectivity by dark optical at the earliest. From the point of presence of MPLS network of CMS onwards traffic will be handled by the Government at its own cost.** In case the security agencies intend to locate the equipment at LICENSEE's premises for facilitating monitoring, the LICENSEE should extend all support in this regard including Space and Entry of the authorized security personnel. The Interface requirements as well as features and facilities as defined by the Licensor should be implemented by the LICENSEE for both data and speech. Presently, the LICENSEE should ensure suitable redundancy in the complete chain of Monitoring equipment for trouble free operations of monitoring of at least 480 simultaneous calls as per requirement with at least 30 simultaneous calls for each of the designated security/law enforcement agencies. Each MSC of the Licensee in the service area shall have the capacity for provisioning of at least 3000 numbers for monitoring. Presently there are nine (9) designated security/law enforcement agencies. The above capacity provisions and no. of designated security/law enforcement agencies

fiber

<p>made available:</p> <ul style="list-style-type: none"> <li>(i) Called/calling party mobile/ PSTN numbers.</li> <li>(ii) Time/date and duration of interception.</li> <li>(iii) Location of target subscribers. For the present, Cell ID should be provided for location of the target subscriber. However, Licensor may issue directions from time to time on the precision of location, based on technological developments and integration of Global Positioning System (GPS) which shall be binding on the LICENSEE.</li> <li>(iv) Telephone numbers if any call-forwarding feature has been invoked by target subscriber.</li> <li>(v) Data records for even failed call attempts.</li> <li>(vi) CDR (Call Data Record) of Roaming Subscriber.</li> </ul> <p>The LICENSEE shall be required to provide the call data records of all the specified calls handled by the system at specified periodicity, as and when required by the security agencies.</p>	<p>may be amended by the Licensor separately by issuing instructions at any time.</p> <p>Along with the monitored call following records should be made available:</p> <ul style="list-style-type: none"> <li>(i) Called/calling party mobile/ PSTN numbers.</li> <li>(ii) Time/date and duration of interception.</li> <li>(iii) Location of target subscribers. For the present, Cell ID should be provided for location of the target subscriber. However, Licensor may issue directions from time to time on the precision of location, based on technological developments and integration of Global Positioning System (GPS) which shall be binding on the LICENSEE.</li> <li>(iv) Telephone numbers if any call-forwarding feature has been invoked by target subscriber.</li> <li>(v) Data records for even failed call attempts.</li> <li>(vi) CDR (Call Data Record) of Roaming Subscriber.</li> </ul> <p>The LICENSEE shall be required to provide the call data records of all the specified calls handled by the system at specified periodicity, as and when required by the security agencies.</p>
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(A.K.Tirkey)  
AD (AS-II)

**Subject:** Amendment to the License agreement for provisioning of the last mile connectivity by Telecom Service Providers for implementation of regarding Central Monitoring System(CMS).

PUC(Placed at 1/C) is the copy of letter No. 5-16/2011/S-II(Vol.II) dated 23.04.2013 from Director(S-II), DoT on the above-mentioned subject. Alongwith this letter, copy of another letter dated 18.01.2013 issued by Security Wing to all the Telecom Service Providers is also enclosed. In the PUC is has been asked to issue the license amendment incorporating the instructions issued vide enclosed letter dated 18.01.2013. Alongwith the PUC , security wing has also enclosed copy of notesheet wherein approval of this amendment has been accorded by Hon'ble MoC&IT. In the enclosed notesheets, DDG (Security) has proposed the amendment to clause 41.10 of UAS license.

2. It is submitted that on the last occasion, condition 41.10 of UAS license was amended vide letter No.800-25/2010-VAS/46 Dated: 13th July, 2011 regarding LI capacity. Corresponding amendments were made in condition 5.9 of the Security conditions of CMTS License Agreements issued prior to 2001 and clause 44.9 of the CMTS License Agreement issues in 2001 and thereafter including BSNL and MTNL. The copy of all these license amendments dated 13.07.2011 are placed at 2/C (Collectively). DDG(Security) has suggested amendment to condition 44.10 of UAS license for CMS purpose and similar clauses of other licenses.

3. In view of above, draft amendments to the license have been attempted. The following para has been made part of covering letter to draft amendment:

*"The Government has decided to set up Centralized Monitoring System (CMS) for lawful interception and monitoring of communications. For the implementation of the same, LICENSEE's Lawful Interception System needs to be connected to the CMS at Regional Monitoring Centre (RMC) through Interception Store and Forward (ISF) server placed in LICENSEE's premises."*

4. Further, the following text has been added at the end of condition 44.10 of UAS license and condition 5.9 of CMTS License Agreements issued prior to 2001 and clause 44.9 of the CMTS License Agreement issues in 2001 and thereafter including BSNL and MTNL:

*"For the implementation of Central Monitoring System (CMS), the connectivity from Interception Store and Forward (ISF) server placed in LICENSEE's premises to the BSNL premises, location to be intimated separately by the Government from time to time, shall be provided by the LICENSEE at its own cost in the form of a pair of dark optical fibre with redundancy, from where traffic will be taken to RMC by the Government. In case dark fibre connectivity required is not readily available, the connectivity may be extended in the form of 10 Mbps bandwidth upgradable upto 45 Mbps or higher as conveyed by the*

regarding LI capacity. Corresponding amendments were made in condition 5.9 of the Security conditions of CMTS License Agreements issued prior to 2001 and clause 44.9 of the CMTS License Agreement issues in 2001 and thereafter including BSNL and MTNL. The copy of all these license amendments dated 13.07.2011 are placed at 2/C (Collectively). DDG(Security) has suggested amendment to condition 44.10 of UAS license for CMS purpose and similar clauses of other licenses.

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5. Accordingly DFA for amendment to UAS License and CMTS licenses are placed at 3/C and 4/C respectively. However, before approval the drafts may also be shown to DDG(Security) also.

*[Signature]*

(P.C.Sharma)  
Director (AS-II)  
07.06.2013

~~DDG(AS-I)~~

P.K.Mittal

DDG(Security)

07/6/13

M(T)

Secy(T)

How'ble MOC & IT

Would it be better if the para given in last is merged with the main para and wording made little generic on the lines indicated in pencil.

~~DDG(AS-I)~~

Dw (ASII)

*[Signature]*

*[Signature]*

**Subject:** Amendment to the License agreement for provisioning of the last mile connectivity by Telecom Service Providers for implementation of regarding Central Monitoring System(CMS).

**Reference:** Notes at 1-2/N.

Changes made by DDG(Security) on yellow slip pasted on pre-page and that made by pencil in the copy of draft placed at 5/C have been attempted to be incorporated and the revised Draft amendment to the UASL and CMTS licenses are placed at 6-7/C and a self contained note is submitted below.

PUC(Placed at 1/C) is the copy of letter No. 5-16/2011/S-II(Vol.II) dated 23.04.2013 from Director(S-II), DoT on the above-mentioned subject. Alongwith this letter, copy of another letter dated 18.01.2013 issued by Security Wing to all the Telecom Service Providers is also enclosed. In the PUC is has been asked to issue the license amendment incorporating the instructions issued vide enclosed letter dated 18.01.2013. Alongwith the PUC , security wing has also enclosed copy of notesheet wherein approval of this amendment has been accorded by Hon'ble MoC&IT. In the enclosed notesheets, DDG (Security) has proposed the amendment to clause 41.10 of UAS license.

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23.04.2013 from Director (S-1), DoT  
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*"However, the respective Government instrumentality .... But, in case of Centralized Monitoring System (CMS), Licensee shall provide the connectivity upto the nearest point of presence of MPLS (Multi Protocol Label Switching) network of the CMS at its own cost in the form of dark fibre with redundancy. If dark fibre connectivity is not readily available, the connectivity may be extended in the form of 10 Mbps bandwidth upgradable upto 45*

Mbps or higher as conveyed by the Government, till such time the dark fibre connectivity is established. However, LICENSEE shall endeavor to establish connectivity by dark optical fibre at the earliest. From the point of presence of MPLS network of CMS onwards traffic will be handled by the Government at its own cost."

5. Accordingly DFA for amendment to UAS License and CMTS licenses are placed at 6/C and 7/C respectively. However, before submission of the drafts for approval these may also be shown to DDG(Security).

P.C.Sharma  
(P.C.Sharma)  
Director (AS-II)  
13.06.2013

Ref notes above  
Draft amendments submitted  
for favour of approval pl.

P.K.Mittal  
14/6/13

DDG(AS-I)

DDG(Security)

Member(T)

Member(I)

Secretary(T)

Hon'ble MoC&IT