To
All States/UTs CCTNS Nodal Officer

Sub: Provisioning of CCTNS connectivity through SWAN reg

Sir,

This is in reference to the provisioning of CCTNS connectivity though SWAN network in all States/UTs.

Please find enclosed the detailed guidelines circulated by Department of Information Technology (DeitY) vide the letter no. 8(4)/2011-EG-I dated 25 Sep 2012 to the Principal Secretary/Secretary (IT) in all the States/UTs for provisioning of the connectivity for CCTNS project through SWAN network. The issued guidelines cover the functional aspects which include classification of CCTNS sites, inclusion of State IT Department member in CCTNS network committee along with roles and responsibilities, process to be followed for release of payment to BSNL, etc.

These guidelines need to be circulated to all the members of Network Committee being formed in your State/UT and needs to be followed with immediate effect. In case of any clarification, feel free to revert back to the NCRB/DeitY.

Yours Sincerely

[Signature]

Joint Director (CCTNS-II)

Copy to:
1. JS(CS), MHA for information
2. Sh. Sharad Trivedi, AGM (EB-NTR), Bharat Sanchar Nigam Limited, C-15 Compound, Netaji Nagar, New Delhi-23 (Fax - 24103164) for information and necessary action.
7. Sh Abhayananand, IPS, Director General of Police, Police Headquarters, Old Secretariat, Patna - 800 015.
15. Sh Ranjit Singh Dalal, IPS, Director General of Police, Police Headquarter, Sector-6, Panckhada, Haryana.
18. Sh G.S. Rath, IPS, Director General of Police, State Police Headquarters, Mantralaya, Dharwad, Ranchi - 834 004, Jharkhand.
19. Sh Lalrokhuma Pachau, IPS, DG & IGP, State Police Headquarters, No.2, Nruputhunga Road, Bengaluru - 560 001.
21. Sh Ajay Kumar, IPS, Superintendent of Police, UT of Lakshadweep, Kavaratti.
22. Sh Nandu Dube, IPS, Director General of Police, Madhya Pradesh, Police Headquarters, Jehangirabad, Bhopal (M.P.) - 462008.
27. Sh O. Alem, IPS, Director General of Police, P.R.Hill, P.O. Kohima, Nagaland - 797 001.
30. Sh S.S. Saini, IPS, Director General of Police, Punjab Police Headquarters, Sector - 9, Chandigarh.
32. Sh Jasbir Singh, IPS, Director General of Police, State Police Headquarters, Gangtok - 737 101, Sikkim.
33. Sh K. Ramanujam, IPS, DGP Int & (I&O) I/C, State Police Headquarters, Dr. RadhakriShnan Salai, Mylapore, Chennai-600004.
34. Sh Sanjay Sinha, IPS, Director General of Police, Police Headquarters, Tripura, Fire Brigade Chaumohani, Agartala - 799 001.
35. Sh Vijay Raghav Pant, IPS, Director General of Police, State Police Headquarters, 12 SubhaSh Road, Dehradun - 248001.
37. Sh Naparajit Mukherjee, IPS, Director General & Inspector General of Police, State Police Headquarters, Main Block, 2nd Floor, Writers Building, Kolkata - 700 001.
38. Chief Secretary, AP Secretariat, Govt. of Andhra Pradesh, Hyderabad - 500001.
39. Chief Secretary, Govt. of Arunachal Pradesh, Itanagar - 791111.
40. Chief Secretary, Govt. of Assam, Guwahati - 781006.
41. Chief Secretary, Main Secretariat, Patna - 800015.
42. Chief Secretary, Govt. of Chhattisgarh, DKS Bhawan, Mantralaya, Raipur.
43. Chief Secretary, Govt. of Goa, Panaji, Goa - 403001.
44. Chief Secretary, Govt. of Gujarat, Gandhinagar - 382020.
45. Chief Secretary, Govt. of Haryana, 4th Floor, Haryana Civil Secretariat, Sector -1, Chandigarh.
46. Chief Secretary, Govt. of Himachal Pradesh, Himachal Pradesh Govt. Secretariat, Shimla - 171002.
47. Chief Secretary, Govt. of Jharkhand, Ranchi.
48. Chief Secretary, Govt. of Jammu & Kashmir, Jammu / Srinagar.
49. Chief Secretary, Govt. of Karnataka, Bangalore - 560001.
50. Chief Secretary, Govt. of Kerala, Thiruvananthapuram - 695001.
51. Chief Secretary, Govt. of Madhya Pradesh, Bhopal - 462003.
52. Chief Secretary, Govt. of Maharashtra, Mumbai - 400001.
53. Chief Secretary, Govt. of Manipur, Imphal - 795001.
54. Chief Secretary, Govt. of Meghalaya, Shillong - 793001.
55. Chief Secretary, Govt. of Mizoram, Aizwal - 796001.
56. Chief Secretary, Govt. of Nagaland, Kohima - 791001.
57. Chief Secretary, Govt. of Orissa, Bhubaneswar - 751001.
58. Chief Secretary, Govt. of Punjab, Chandigarh - 160019.
59. Chief Secretary, Govt. of Rajasthan, Jaipur - 302005.
60. Chief Secretary, Govt. of Sikkim, Gangtok - 737001.
61. Chief Secretary to Government, Govt. of Tamil Nadu, Secretariat, Chennai
62. Chief Secretary Govt. of Tripura, New Secretariat Complex, Agartala.
63. Chief Secretary, Govt. of Uttar Pradesh, Lucknow.
64. Chief Secretary, Govt. of Uttarakhand, Dehradun.
65. Chief Secretary, Govt. of West Bengal, Writers' Building, Kolkata - 700001.
66. Chief Secretary, Govt. of NCT of Delhi, IP Estate, A Wing, New Delhi.
67. Chief Secretary, Pondicherry Administration, Pondicherry - 605001.
68. Chief Secretary, A & N Administration, Secretariat, Port Blair - 744101.
69. Sh. Amar Nath, Administrator, Lakshadweep, Administration, Kavaratti
70. Sh. K.K. Sharma, Advisor to the Administrator, Chandigarh Administration, Chandigarh
73. Principal Secretary to Govt. A Block, Floor -3, AP Secretariat, Govt. of Andhra Pradesh, Hyderabad - 500001.
74. Commissioner & Secretary, Civil Secretariat, Govt. of Arunachal Pradesh, Itanagar - 791111.
75. Secretary Home, Assam Sachivalayam Complex, Dispur, Guwahati - 781006, Assam
76. Secretary Home, Main Secretariat, Patna - 800015.
77. Principal Secretary Home, Jail & Transport, Govt. of Chhattisgarh, DKS Bhawan, Mantralaya, Raipur.
78. Secretary Home, Home Department Secretariat, Porvorim, Goa.
79. Secretary (Home), 2nd Block, 2nd Floor, Sachivalaya, Gandhinagar, Gujarat.
80. Chief Secretary to Govt. (Home), Govt. of Haryana, Haryana Civil Secretariat, Chandigarh.
81. Principal Secretary (Home), Govt. of Himachal Pradesh, Shimla - 171002.
82. Principal Secretary (Home), Govt. of Jharkhand, Ranchi.
83. Home Secretaries, R No.2/16, 2nd Floor main building, Civil Secretariat, Jammu.
84. Secretary (Home), Vidhanasoudha, Dr. Ambedkar Veedhi, Bangalore - 560001, Karnataka.
85. Principal Secretary, Department of Home, Govt. of Kerala, Thiruvananthapuram
86. Additional Chief Secretary (Home), Govt. of Madhya Pradesh, Bhopal - 462003.
87. Addl. Chief Secretary Home, Govt. of Maharashtra, Mumbai – 400001.
88. Addl. Secretary (Home), Civil Secretariat, Govt. of Manipur Imphal – 795001.
89. Principal Secretary (Home), Civil Secretariat, Govt. of Meghalaya, Shillong
90. Secretary (Home), Govt. of Mizoram, Aizwal – 796001.
91. Secretary, Home / Women Development, Govt. of Nagaland, Kohima – 791001.
92. Principal Secretary, Home Department, Govt. of Orissa, Bhubaneswar – 751001.
93. Home Secretary, Govt. of Punjab, UT Secretariat, Deluxe Building, Sector – 9, Chandigarh.
94. Secretary, Home, Govt. of Rajasthan, Jaipur – 302005
95. Addl. Chief Secretary, Home Department, Govt. of Sikkim, Gangtok – 737001.
96. Principal Secretary, Govt. of Tamil Nadu, Secretariat, Chennai – 600009.
97. Secretary, Home Govt. of Tripura, New Secretariat Complex, Agartala.
98. Secretary, Home, Govt. of Uttar Pradesh, Sh Lal Bahadur Shastri Bhawan, Lucknow.
99. Principal Secretary, Home, Govt. of Uttarakhand Secretariat Compound Subhash Road, Dehradun – 248001.
100. Principal Secretary, Home, Writers’ Buildings, Kolkata – 700001.
101. Chief Secretary / Principal Secretary, Govt. of NCT of Delhi, IP Estate, A Wing, New Delhi
102. Joint Secretary (Home), Chief Secretariat, Puducherry.
103. Addl. Secretary (Home & Passport), A & N Administration, Secretariat, Port Blair.
104. Secretary (Home), Lakshadweep Administration, Kavaratti – 682555.
105. Addl Secretary (Home), Chandigarh Administration, #433, 4th Floor, UT Sctt., Sector-9, Chandigarh.
Dear Sir,

Please find attached herewith detailed guidelines for provisioning of connectivity for "The Crime and Criminal Tracking and Network System (CCTNS)" through SWAN. It may kindly be seen that guidelines issued cover functional aspects like:

- Classification of CCTNS sites
- Connectivity charges
- Inclusion of State IT Department member in CCTNS Network Committee
- Composition of Network Committee
- Responsibility for the State IT Department
- Process to be followed for release of payment to BSNL etc.

These guidelines may be followed with immediate effect. In case there be a need for any clarification, please feel free to refer to the DeptY.

Yours sincerely,

(A K Balani)
Director
Tel: 24301025
Email: akbalani@mit.gov.in

End: Guidelines
To
The Dr. Secretary / Secretary (IT)
All States / UTs Governments

Copy to:
1. Joint Secretary (CS), MHA
2. Joint Director (CCTNS-I), NCRB
3. The CEO, NIC, All the States / UTs
Guidelines for provisioning of CCTNS Connectivity through SWAN

The Crime and Criminal Tracking and Networking System (CCTNS) is the flagship e-Governance program of the Ministry of Home Affairs (MHA) conceived as a Mission mode project (MM) under the National e-Governance Plan (NeGP).

The rollout of the project has already started and as per the scheme, BSNL would be the network service provider for connecting 20,000 plus locations which includes Police Stations and Higher Offices of the Department across PAN India. As per the connectivity proposed, BSNL has to give 1st priority of connecting the above said locations on SWAN followed by VPNoBB (VPN over Broadband), WiMAX and VSAT network respectively.

As per the signed MOA between NCRB and BSNL, the connectivity to CCTNS sites is based on hybrid connectivity model which involves the following modes of connectivity:

i. Point to Point Leased Lines (P2PLL) (2 Mbps) to SWAN POP
ii. VPNoBB (512 kbps)
iii. WiMAX (512 Kbps)
iv. VSAT (64 kbps CAR, 512 Kbps MAR)

The connectivity to the CCTNS sites will be provided on the basis of the following classification corresponding to the nearest SWAN POP

a. Co-located Sites - Sites with distance less than or equal to 500 meters from SWAN POP
b. Non Co-located Sites - Sites with distance greater than 500 meters from SWAN POP

As per the feasibility, connectivity to the Co-located sites will be provided by the State Designated Agency (through the SWAN Network Operator) on Ethernet/Fiber for which the cost will be borne by State IT Department from ACA for bandwidth.

The Co-located sites are further bifurcated into two categories which are:

a. Co-located Sites having distance less than or equal to 100 meters from SWAN POP
   - on Ethernet

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1. CAR: Committed Access Rate
2. MAR: Maximum Access Rate
3. POP: Point of Presence
4. ACA: Additional Central Assistance
b. Co-located Sites having distance between 100 – 500 meters from SWAN POP - on Fiber

As per instructions issued earlier by DeitY to all State IT Secretaries, State IT Department has to reserve one port (V.35/G.701) at SWAN POP for connecting non co-located sites feasible on 2Mbps P2PLL for which bandwidth charges including corresponding modem pairs will be borne by the State IT Department from ACA for bandwidth funded by DeitY, GOI.

In case, there are multiple non co-located sites feasible on one SWAN POP, State CCTNS nodal officer is required to select one of the feasible sites which would be connected on SWAN POP. If State wants to connect additional non co-located feasible sites on SWAN, the cost of the additional bandwidth charges including modem needs to be borne by State Police Department/ MHA. State IT Department will not fund the bandwidth charges including modems for the additional connectivity on the SWAN POP.

NOTE:
Connectivity charges for Routers (required for termination of P2PLL at CCTNS site) VPNoBB, WiMAX, VSAT and aggregated MPLS bandwidth will be borne by State Police Department/MHA under the networking head funded by MHA.

Connectivity to the CCTNS sites involves various stake holders, e.g., State IT Department for SWAN connectivity, BSNL Local Circle and State Police Department (CCTNS). It is very essential to have a road map of connectivity involving all the major stake holders. Through this paper, it has been tried to identify the initial Guidelines that could be followed by the States/UTs for enablement of provisioning of seamless CCTNS Connectivity in the State. The points of action that needs to be followed are as follows:

1. Inclusion of State IT Dept. member in Network Committee
2. Streamlining the payment process

1. Inclusion of State IT Dept. member in CCTNS Network Committee

With reference to the earlier advisories sent by MHA/NCRB, a CCTNS Network Committee under CCTNS Nodal Officer has been formed/needs to be formed which should include a member of State IT Department at State/UT level. The Network Committee may comprise of the following members:
   a. CCTNS Nodal Officer,
   b. GM BSNL or an officer approved by him and
   c. Officer of State DIT who is involved/In-Charge of SWAN project implementation in the States, UTs
   d. Member from SI
e. Member from SPMU

1.1 The primary responsibilities of the State IT Dept. would be to facilitate the following activities:

   i. Nominating a member for CCTNS Network Committee
   ii. Providing connectivity to the CCTNS sites as per MOA
   iii. Facilitation of LAN/Fiber connectivity through SWAN for the co-located CCTNS sites
   iv. Port/Interface availability for leased line termination at SWAN POP for the CCTNS sites on SWAN
   v. Routing integration between SWAN, BSNL network and CCTNS IT infrastructure at respective States/UTs SDCs and DRCs
   vi. Identification of port at SHQ/SDC for termination of Aggregated MPLS Bandwidth
   vii. Reservation of Ports for non co-located sites in consultation with State IT Department
   viii. Enabling IP Routing at the POP, SHQ and SDC level by State IT Department
   ix. Enabling seamless integration and routing of multiple modes of connectivity
   x. Connectivity of co-located sites on Ethernet (LAN) by State Designated Agency (through SWAN Network Operator) in consultation with State IT Department
   xi. Connectivity of co-located sites on Fiber (OFC) by State Designated Agency (through SWAN Network Operator) in consultation with State IT Department
   xii. Implementation of connectivity for non co-located sites by BSNL on P2P Leased Lines, VPN Over BB, WiMAX and VSAT network
   xiii. Implementation of connectivity at SHQ/SDC for aggregated MPLS bandwidth for the sites on BSNL, VPN Over BB, WiMAX and VSAT networks
   xiv. Implementation of connectivity between CCTNS SDC and CCTNS NDC site for data upgradation
   xv. Implementation of connectivity between CCTNS DRC and CCTNS SDC for data replication

1.2 The primary responsibilities of the State IT Dept. member would be to facilitate the following activities:

   i. Coordination between the multiple-stakeholders (BSNL, SWAN, State/UT CCTNS, CCTNS SI, CCTNS SPMU)
   ii. Identification and marking of CCTNS sites to be connected on SWAN
      - Identification of co-located sites to be connected on LAN with SWAN PoP
      - Identification of co-located sites to be connected on OFC with SWAN PoP
      - Identification of co-located sites to be connected on Leased Lines with SWAN PoP
   iii. Formalization of the IP schema at State/UT level in coordination SWAN, BSNL and CCTNS SI & SPMU
iv. Formalization of monitoring and troubleshooting process for SWAN and BSNL network
v. Number of sites where Work Order (WO) is issued by BSNL - for sites on P2P Leased Lines, VPNoBB, WiMAX and VSAT network
vi. Monitoring the connectivity progress
vii. Troubleshooting connectivity issues
viii. Any other connectivity related issues.

2. Streamlining the payment process
The following process has to be followed for CCTNS connectivity in SWAN by State IT Department, BSNL and CCTNS Nodal Officer for release of payment to BSNL where BSNL and SWAN network are used for providing CCTNS connectivity. This process does not apply to the States/UTs where sites are already connected or States/UTs are going completely on SWAN.

5. Process to be followed for release of payment to BSNL

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<th>No.</th>
<th>Process to be followed for release of payment to BSNL</th>
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<tr>
<td>1</td>
<td>Local BSNL circles would raise separate Demand Note/Invoices/Bills to respective States/UTs CCTNS Nodal Officer</td>
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<td>2</td>
<td>These Demand Notes/Invoices/Bills will be for -</td>
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<td>i. SWAN connectivity having following network components</td>
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<td>a. MLLN Modem rental/ Non-MLLN Modem charges</td>
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<td>b. P2P Leased Line bandwidth Charges from Police Station in nearest SWAN PoP</td>
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<td></td>
<td>ii. MPLS bandwidth at SDC/ SWAN NOC for data updation at NDC (if through BSNL)</td>
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<td>iii. MPLS bandwidth at State DR site for data replication with SDC (if through BSNL)</td>
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<td>3</td>
<td>CCTNS Nodal Officer will forward these demand notes/invoices/bills to State IT Department requesting transfer of funds from the ACA bandwidth funds</td>
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<td>4</td>
<td>State IT Department will transfer the funds directly to respective States/UTs CCTNS Society which in turn release the payment to respective BSNL circle. CCTNS society</td>
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will forward the copy of receipt of payment to State IT Department along with UC.

It may be noted that the above process may be required to be discussed with respective State IT Department in Network Committee meeting for formalization of the payment process in their State/UT.