

**Telecom Regulatory Authority of India**  
**Quality of Service Division**  
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**PRESS RELEASE No. 12/ 2008**

**TRAI Releases Network/POIs congestion report of the  
Cellular Mobile Service Providers (CMSPs) for the  
Months of July, August and September, 2007**

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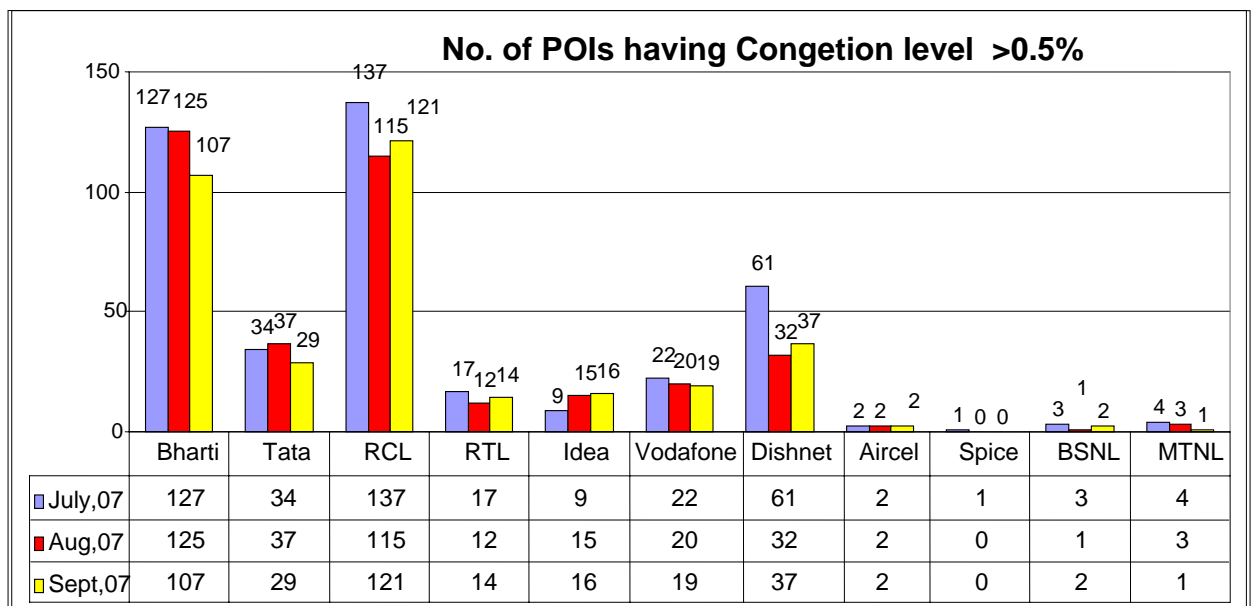
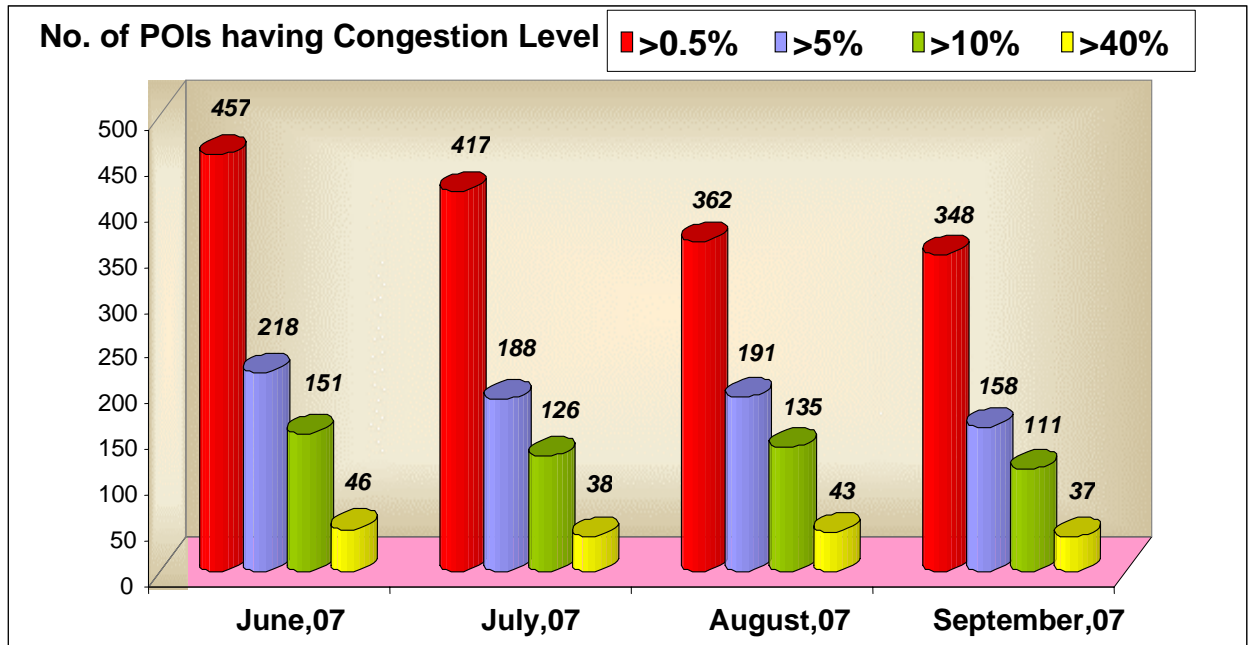
TRAI has been monitoring the level of congestion at the Point of Interconnection (POI) between various service providers on a monthly basis. This parameter signifies the ease with which a customer of one network is able to communicate with a customer of another network. This parameter also reflects as to how effective is the interconnection between two networks. The benchmark notified by TRAI in the QoS Regulation of July 2005 for this parameter is < 0.5%. This means out of 200 calls between two operators only one call should face congestion problem. The result of the monitoring reveals that there is an over all improvement in the level of congestion for Q.E. September 07 as compared to Q.E. June 07. However, in a number of areas, the level of congestion between the networks of different operators is more than this benchmark.

Cellular Mobile Service Providers have submitted their POIs Congestion Reports in TRAI for the months of July August and September, 2007.

- We have included only the Service Providers who do not meet the TRAI stipulated POI Congestion benchmark of <0.5% in any of their service areas.
- The POI Congestion Report analysis for the month of July,2007 to September,2007 shows that the performance of the CMSPs with respect to the congestion on POIs has improved in the month of September, 2007 as compared with the performance in June, 2007. The number of POIs having congestion has decreased from 457 in June, 2007 to 348 in September, 2007.
- Out of these 348 POIs in September, 2007, in 158 POIs, the level of congestion is more than 5% as compared to 218 POIs in June, 2007.
- The number of such POIs where the level of congestion is more than 10% is 111 in September, 2007, whereas it was 151 in the month of June, 2007.
- The number of worst affected POIs where congestion level is more than 40% is 37 in the month of September, 2007 whereas it was 46 in the month of June, 2007.
- In respect of POIs from Private CMSPs to BSNL, the number of POIs having congestion has decreased from 312 in June 2007 to 217 in September 2007.
- During the same period POI congestion among Private CMSPs has also decreased from 145 in June, 2007 to 129 in September, 2007.

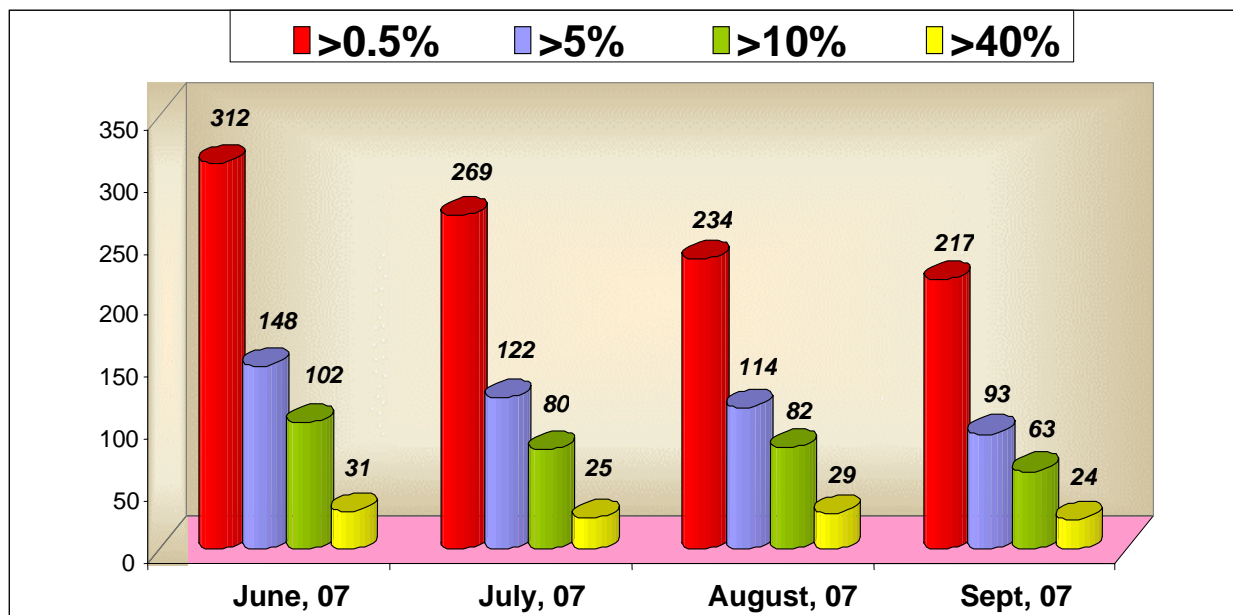
- Amongst the private service providers, Reliance Communications has the largest number of POIs having Congestion (121 POIs as of September' 07) followed by Bharti Airtel (107 POIs as of September' 07), Dishnet (37 POIs as of September' 07), Tata (29 POIs) and Vodafone (19 POIs).
- The Circles/ States which are badly affected due to POI congestion are Bihar, Gujarat, Madhya Pradesh, Maharashtra, Rajasthan and West Bengal.

**The analysis of the degree of congestion in these POIs is given below:-**

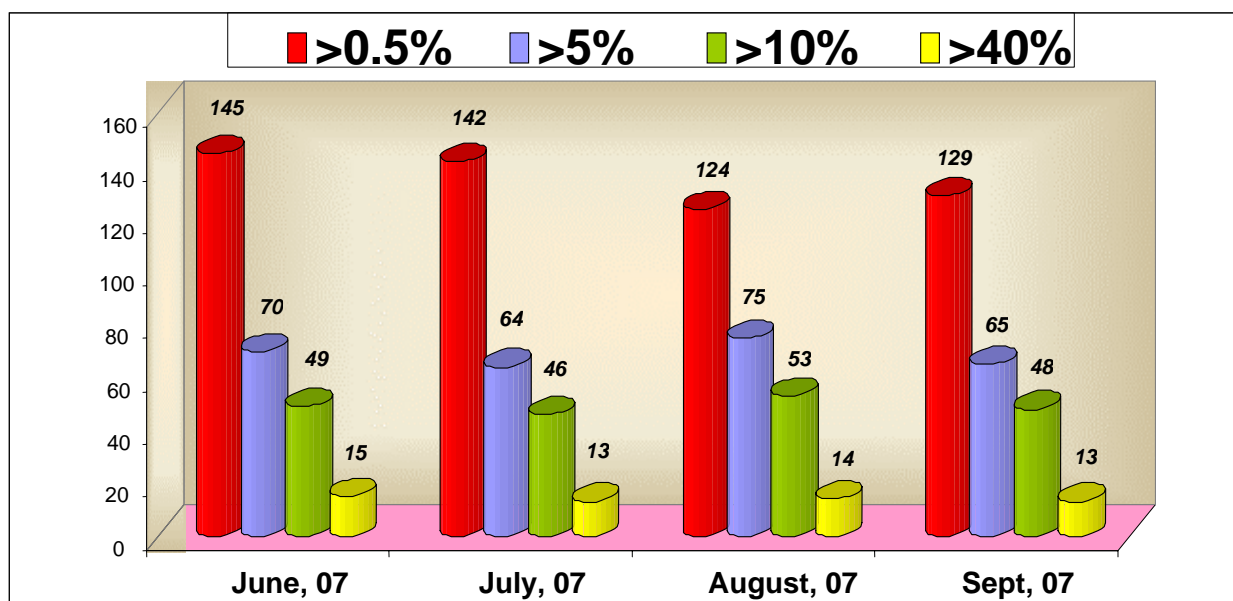


The POI congestion level between Private Service Providers and BSNL, and also among the Private Service Providers is given below in graphs: -

**Number of POIs having congestion level between Private Service Providers and BSNL**



**Number of POIs having congestion level among the Private Service Providers**



## Critical Analysis – Operator wise: -

The worst affected POIs where Congestion level on point of interconnections (POIs) is more than 40%, from Private Service Providers to BSNL and Private Service Providers to Private Service Providers for the month of September, 2007: -

<b>POIs between Private Operators and BSNL</b>					
<b>Bharti Airtel</b>	<b>Tata Teleservi-ces</b>	<b>Reliance Com/ Reliance Telecom</b>	<b>Vodafone</b>	<b>Aircel Cellular</b>	<b>Dishnet Wireless</b>
<b>Gujarat Level 2:-</b> Rajkot=50.75%  <b>J&amp;K:-</b> Cellone Jammu =58.71% Cellone Srinagar =71.53% <b>Level 1 (Virtual) -</b> Jammu = 78.70%  <b>North East</b> Cellone Shillong= 48.00%  <b>Rajasthan:- Level 1</b> CELL 10 = 55.26% JPBAJ10 = 40.90%  <b>Tamilnadu:-</b> Cellone=84.94%  <b>West Bengal:- Level 2:-</b> Asansol =47.17% Kharagpur = 47.12%	<b>Rajasthan:- Level - 2</b> Bhilwara Mobile=48.73%  <b>Bihar: - Level - 1</b> Patna Homer OCB = 72.00% <b>Level - 2</b> Patna = 81.00% Darbhanga = 81.00% Muzaffarpur = 66.00% Muzafarpur NLD=53.00% Muzafarpur_MOB =84.00%  <b>Andhra Pradesh:- Level - 1</b> Secundrabad OCB = 52.90%	<b>Reliance Telecom</b>  <b>Bihar:-</b> Cellone = 76.28%  <b>Himachal Pradesh:-</b> Shimla = 44.20%	<b>Haryana:-</b> Cellone = 43.55%	<b>Tamilnadu:-</b> Cell one= 87.20%	<b>J&amp;K:- Level 1</b> Jammu Tax =48.17%  <b>Bihar:- Level 1</b> Cellone Patna = 81.65%
<b>POIs among the Private Operators</b>					
<b>Bharti Airtel</b>	<b>Tata Teleservices</b>	<b>Reliance Com/ Reliance Telecom</b>	<b>Vodafone</b>	<b>Aircel Cellular</b>	<b>Dishnet</b>
<b>J&amp;K</b> Jammu BTSOL NLD=42.84%  <b>West Bengal:-</b> Reliance CDMA=66.05% BTSOL from KGP MGW2=42.52%	<b>Bihar:-</b> Airtel = 45.00%	<b>Reliance Telecom</b>  <b>North East:-</b> RCL NGN = 90.43%	<b>Rajasthan:-</b> VSNL NLD=41.67%	Nil	<b>West Bengal:-</b> Hutch =58.34% RIM Kharagpur 40.52%  <b>Bihar:-</b> Airtel Patna = 52.00% Airtel = 67.13% Airtel Muzaffarpur =78.92% Airtel Ranchi = 50.15% VSNL NLD= 55.52%

The non-provisioning and insufficient provisioning of telecom circuit resource as per traffic requirements leads to:

- inter-network congestion at the Point of Interconnection (POI)
- loss of calls
- repeated call attempts by consumers
- deterioration in Quality of Service (QoS)
- consumer dissatisfaction.

It may be recalled that TRAI has issued a direction on 7<sup>th</sup> June 2005 to all service providers to provide Interconnection on the request of the interconnection seeker within 90 days of the applicable payments made by the interconnection seeker. BSNL had gone to TDSAT against this direction. The matter is pending with TDSAT. The show cause notices issued to six Service Providers for not meeting Quality of Service in respect of POI Congestion are subjudice in TDSAT since March, 2006. Therefore, the authority is unable to take further action in cases of non-compliance.

The network congestion report of all CMSPs for the period July, August and September, 2007 is placed at TRAI website – [www.traigov.in](http://www.traigov.in)

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Authorised for issue

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