





















# QoS Regulation Parameters: Benchmarks for Basic Services (Wireless) & Cellular Mobile Services

### **QoS Parameters:**

Sl	Parameter	(Benchmark)		
7	Service Coverage (Indoor > -75 dBm, In Vehcle >-85 dBm, Out	:door > -95 dBm)		
8	Point of Interconnect (POI) Congestion	( < 0.5%)		
9	Response Time to Customer for Assistance ( within 60 Sec= 80%, within 90 Sec = 95%			
10	Billing complaints per 100 bills issued	( < 0.1%)		
11	% of Billing Complaints resolved within 4 weeks	(100%)		
12	Period of all refunds due to customers from the date of resolutio of complaints (< 4 Weeks			

	Parameter (Benchmark
4 0	
1 9	% Satisfied with the Provision of Service (>95
2 9	% Satisfied with the Billing performance (>90
3 9	% Satisfied with help Services (>90%
• • • •	% Satisfied with Network Performance, Reliability an Availability (>95%
5 %	% Satisfied with Maintainability (>95%
6 9	% Satisfied with Overall Customer Satisfaction (>95%









## Key Findings on QoS Monitoring: Cellular Mobile Service - Objective Assessment (Independent Agency)

# Mobile Switching Centre (MSC) Audit

#### Positive

- Service Access Delay
- Call Drop Rate
- Call Setup Success
- > Billing Complaints resolved within 4 weeks
- Period of Refunds

Above QoS Parameter(s) met by most of the operators

# Concern

- POI Congestion
- > SDCCH/Paging Channel Congestion
- Billing complaints

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		arket Share & HHI f Providers at Nation	
Sl	Name of Service Provider	Customer Base in Millions	Market Share %age
1	Bharati (Airtel)	19.58	21.72 %
2	BSNL	17.65	19.58 %
3	Reliance	17.31	19.21 %
4	Hutchison	15.36	17.04 %
5	Idea	7.37	8.18 %
5	Idea HI = Sum of Sq (Marke	7.37 et Share%) = 1581	8.18 %
H	HI = Sum of Sq (Marke	et Share points) = 0.1	581(Closer to
	HI for Mobile Service dia indicates reason		
т	RAI/QS/Advisor/M C Chaube		











































