



System Network Design Questionnaire

Quotation Guidelines

- Due to the complexity of GSM networks, ACS Wireless cannot provide a quotation or rough budgetary price (ROM, WAG, SWAG) without detailed information about the system. Therefore, it is necessary to supply as much information as possible.
- Please understand that ACS Wireless will furnish a price estimate only after the required information is provided.
- An accurate price quotation can only be given when RF planning and network designs are completed.
- RF planning and network design services can also be quoted upon request.
- To accurately design the system, a current topography and a list of the coverage areas or cities (including roads, airports, etc) is necessary, as well as terrain type, coverage area size, and number of subscribers in each area.

Main System Components

Based on the answers to this Network Design Questionnaire, the final quotation may include any or all of the following main system components:

- Switching Platform (MSC or NIB)
- System Features (GPRS, SMS, Voice Mail, Pre-Paid)
- Base Station System (BSC, BTS)
- Operations & Maintenance Center (PC or laptop)
- Transmission Equipment (Microwave)
- Masts, Antennas, Cabling
- Power System (Rectifiers, Battery Back up, UPS)
- Echo Cancellers
- Handsets, SIM Cards
- PBX Switch
- Enclosures (Shelter, Transit Cases)
- Grounding
- Training
- RF Planning Services
- Network Design
- Installation (including Commissioning, Optimization)
- Documentation
- Technical Support (Telephone, On-Site)
- Spare Parts
- Assumptions
- Shipping
- Transportation
- Travel & Expenses

Customer Company Information:

- Company Name:	
- Company Address:	
- Company Web-site:	

Customer Contact Information:

- Name:	
- Position:	
- Mailing Address:	
- Email Address:	
- Phone No.:	
- Cell No.:	
- Fax No.:	

Project Geography:

a) Country where system will be deployed?	
b) City(s) where system will be installed?	
c) Describe terrain and coverage area of the system: Flat? Hilly? Mountains? Over water? Trees? Buildings?	
d) Coverage area of System?	
e) Is RF Survey data available?	

Project Requirements

a) Bid Type: Complete turnkey? Equipment & Select Services?	
b) Transmission Equipment Quotation Required?	
c) Mobiles/Handsets Quote Required?	
d) Services:	
(i) RF Planning	
(ii) System Engineering	
(iii) Network Design & Planning	
(iv) System Installation	
(v) System Commissioning	
(vi) Network Optimization	
(vii) Formal training (classroom) or on-the-job?	
(viii) Base Station Sites Selection: By ACS or by Customer?	
(ix) Cell Planning: By ACS or by Customer?	
e) Geographic Digital Maps	
(i) Available from Customer?	
(ii) When available?	
f) Spares: Required for the Network?	
g) Outdoor Cabinets: Are suitable buildings available for system equipment? If not, are outdoor cabinets or shelters required?	
(i) Air Conditioning	
(ii) AC power	
(iii) Battery Back Up	
(iv) Security	

Compliance Testing:

Required?	
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Contract:

a) Project Budget	
b) RFP Available	
c) RFP Release Date	
d) Bid Close Date	
e) Vendor Selection Date	
f) Contract Award Date	
g) Technical Guarantees	
h) Award Criteria:	
Cost per TRX	
Cost Per Subscriber	
Other	
i) Installation Start Date	
j) Commissioning Date	

Application:

a) Lab / Test bed	
b) Fixed Sites	
c) Mobile: Corporate Public Network Extension Both	
d) Deployable: Transit Cases	
e) Indoor/Outdoor Coverage	

Subscriber Type & Quantity

a) Type of Subscriber: What market will customer target?	
b) Number of Subscribers the system initially will support	
c) Number of Subscribers the system will ultimately support	

GSM Services Requirements

d) Pre-paid: % of Subs	
e) Post-paid: % of Subs	
f) Short Message Service	
g) Data/Facsimile Capabilities	
h) Call Forwarding	