





- Planning process
- Economic studies
- Planning tools
- Business simulation and modelling
- Conclusion

























 On conclusion of sensitivity analysis and business planning, an operator can now embark on the work of designing the network. The following factors should be taken into consideration by the design engineers:

Traffic in milli Erlangs /subscriber	36
Grade of service & blocking probability	0.5 blockbg
Cell Radius	1 km
Available frequencies	7, 13,28 GHz
Frequencies in use	7,13
Interfaces to existing systems	V 5.2, R2, R703
Power supply sources	110 v ac
Earth system	None
Access and real estate issues	
RF License certificate	





## 6. Conclusion:

Transition to IMT 2000 services is very important for network operators because it brings about new applications and services that are required by customers. However the operators must be prepared to invest some money in CAPEX, OPEX and human resource development. There is also the issue of availability of frequency spectrum that must be addressed with the relevant regulators in the developing countries before any investment can be done in IMT 2000 systems. Proper design and planning of the IMT 2000 systems are necessary using the available software tools as demonstrated in this paper.