1) Switched based end-to-end ATM wireless network.

2) System concept has three sub networks:
   i) Low speed orderwire network for location management
   ii) Medium speed end-user access ATM network
   iii) High speed inter switch network.

3) Fast configuration/reconfiguration to enable rapid deployment and robust operation.

4) Spatial reuse using adaptive antennas based on GPS derived location information.

1) Provide the basis for ATM end-to-end wireless services.

2) Demonstrate a high capacity rapidly deployable robust ATM wireless network.

3) Demonstrate the benefits of GPS derived location information for wireless network operations.