























nding Categories

Data Structure

Networking

RDBMS

Operating System

ava

Digital Advanced Mobile Phone System

Computer Engineering Computer Network MCA

Digital Advanced Mobile Phone System (D-AMPS)is a digital version of Advanced Mobile Phone Systems (AMPS), the original analog standard for cellular phones D-AMPS uses a combination of time division multiple access (TDMA) and frequency division multiple access (FDMA). It adds TDMA to get three channels per AMPS channel, thus tripling the number of calls on a channel.

Features

- They are standardised by IS-54 and IS-136.
- As in AMPS, D-AMPS also uses frequencies from 800 to 900MHz for transmission. Half of the spectrum is used for sending signals and the other half is used for receiving signals.
- The frequency band is divided into 30KHz sub-bands, called channels, by FDMA.
- The channels for uplink are called forward channels and the channels for downlink are called reverse channels.
- TDMA is applied to each channel thus tripling the number of available channels.
- Presently, all D-AMPS channels are replaced by GSM or CDMA technology.



















