CDMA2000

CDMA2000 Revision History

IS-2000 Rel 0 (November, 1999)
- Defines 1x and 3x RF carriers
  - Up to 144 Kb/s on 1x carriers
  - Up to 2 Mb/s on 3x carriers
- Defines new SCHs* (Supplemental Channels) for higher data rate capabilities

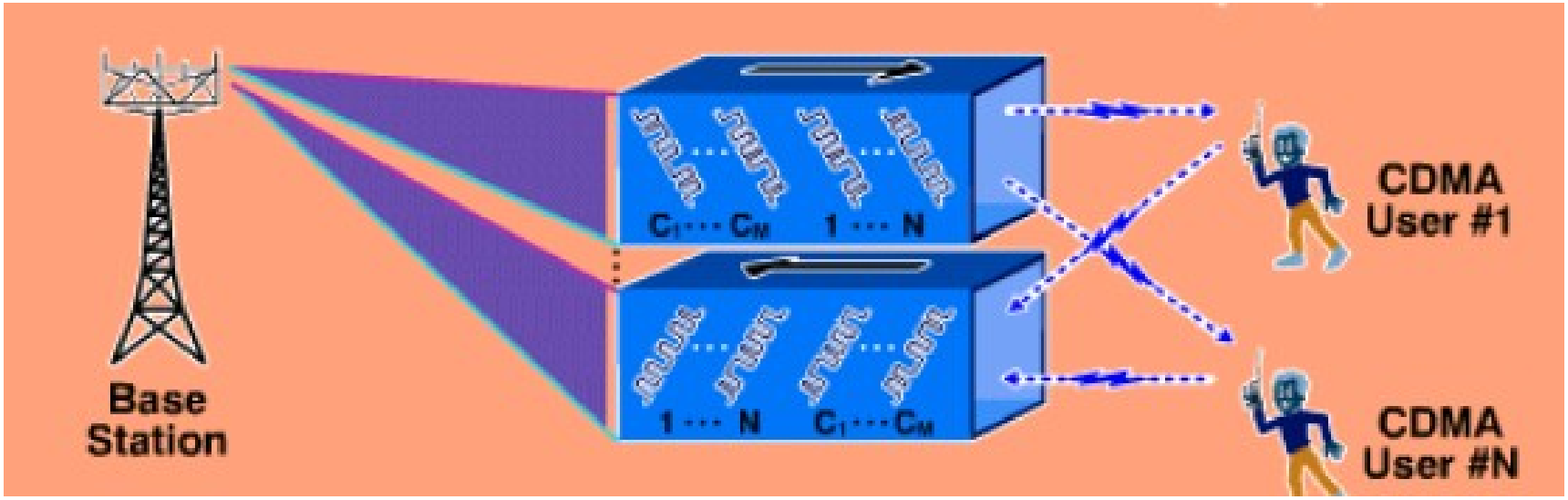
IS-2000 Rel A (March, 2000)
- Defines new enhanced control channels, e.g.
  - R-EACH (Reverse- Enhanced Access Channel)
  - CCCH** (Common Control Channels)

IS-2000 Rel B (May, 2002)
- Mostly clarifications and corrections
- Major new capabilities were put in Rel C (in the same timeframe)

IS-2000 Rel C (May, 2002)
- 1xEV-DV with data (up to 3.1 Mb/s downlink and 307.2 Kb/s uplink) and Voice

IS-2000 Rel D (May, 2004) with Data (up to 3.1 Mb/s downlink and 1.8 Mb/s uplink) and Voice

CDMA2000 Bandwidth Options



- **1.25 MHz or 1x, Spreading Rate 1**
  Some 3G services require bit rate of only up to about 144 kbps

- **3.75 MHz or 3x, Spreading Rate 3**

- **7.5 MHz or 6x, Spreading Rate 6 (For FDD)**

- **11.25 MHz or 9x, Spreading Rate 9 (For FDD)**

- **15.0 MHz or 12x, Spreading Rate 12 (For FDD)**

- **Note that the minimum BW required are 2.5, 5.0, 8.75 and 16.5 MHZ –**
  This include the 1.25/2 guardbands on either sides of each edge of the spectrum.
  Apart from the 1x version, the rest of the option are feasible but not standardized.