00:38

MULTIPLE ACCESS PROTOCOLS

```
                    Multiple-access
                       protocols

    Random access      Controlled-access     Channelization
      protocols           protocols             protocols

      — ALOHA                                    — FDMA
      — CSMA          — Reservation             — TDMA
      — CSMA/CD       — Polling                 — CDMA
      — CSMA/CA       — Token passing
```
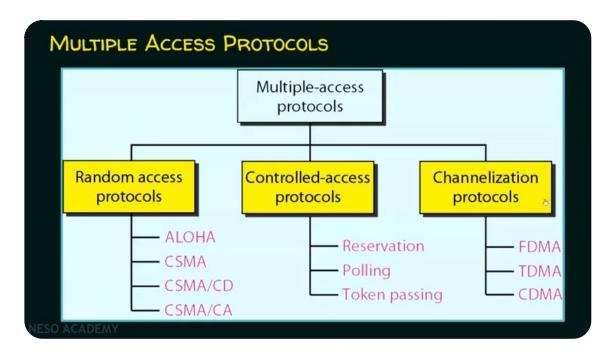
NESO ACADEMY

03:14

RESERVATION

★ A station need to make a reservation before sending data.

★ In each interval, a reservation frame precedes the data frames sent in that interval.

★ If there are N stations in the system, there are exactly N reservation minislots in the reservation frame.

★ Each minislot belongs to a station.

★ When a station needs to send a data frame, it makes a reservation in its own minislot.

★ The stations that have made reservations can send their data frames after the reservation frame.

NESO ACADEMY

04:23

RESERVATION

| 1 2 3 4 5 | | 1 2 3 4 5 | | | | 1 2 3 4 5 |
| 0 0 0 0 0 | Data station 1 | 1 0 0 0 0 | Data station 4 | Data station 3 | Data station 1 | 1 0 1 1 0 |

Reservation frame