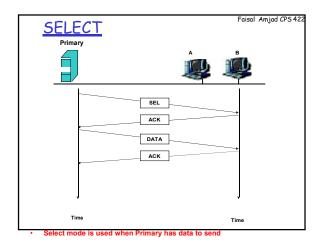
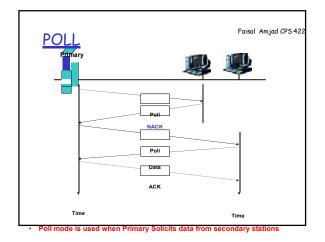
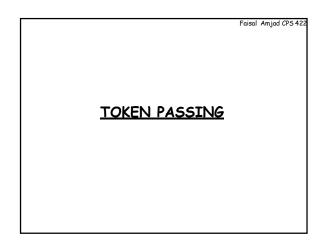


Faisal Amjad CP5 422 Polling % Polling works where link is in un-balanced mode i.e. with stations designated as primary and secondary % All data exchanges are made through the primary station even if destination is a secondary % Primary is always the initiator of a session as it controls the link % Two modes Select and Poll





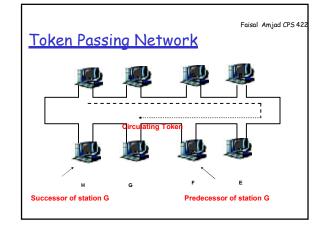


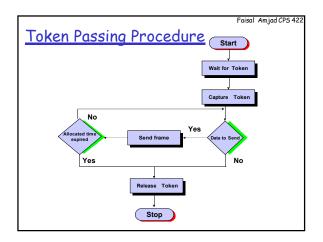
TOKEN PASSING

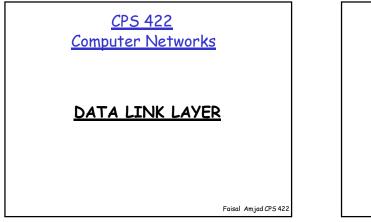
‰ Token is a special Frame which gives the holder

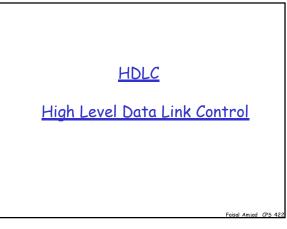
Faisal Amjad CPS 422

- station the "Right to Transmit"
- $\ensuremath{\ens$
- $\ensuremath{\ens$
- successor after a specified time interval
- ‰ When there is no data to be sent the token circulates around the ring
- ‰ Whenever a station has data to send, it waits for a token to arrive
- ‰ Station then captures the token and keeps transmitting data until allocated time for keeping the token expires
- ‰ After the specified time the token must be passed on to the successor









HDLC Defines :

‰ Three types of stations,

‰ Two link configurations and

‰ Three data transfer modes

HDLC

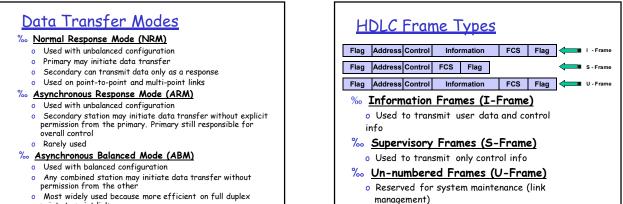
- ‰ One of the most important Data Link Control protocol.
- ‰ Widely used, basis for many other protocols which use similar formats and mechanisms.
- ‰ Supports half and full duplex communication over point-to-point and multipoint links.
- ‰ Implements the ARQ mechanisms studied.

Faisal Amjad CPS 422

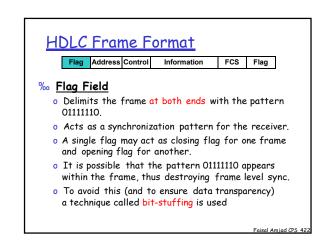
Faisal Amjad CPS 422

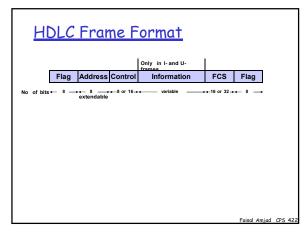
Faisal Amjad CPS 422

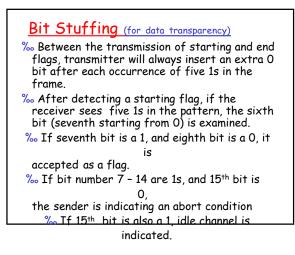
Faisal Amjad CPS 422

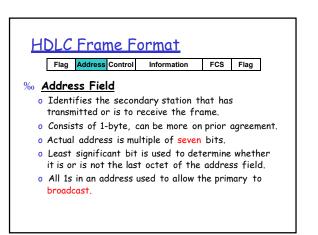




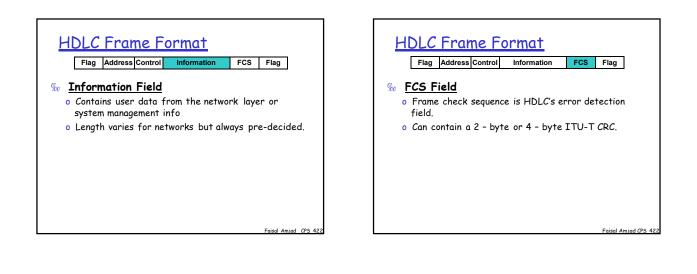


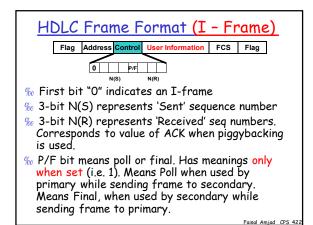


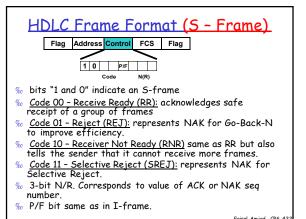


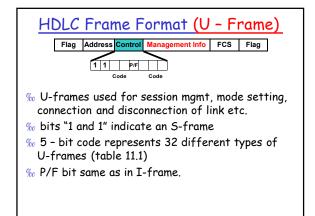


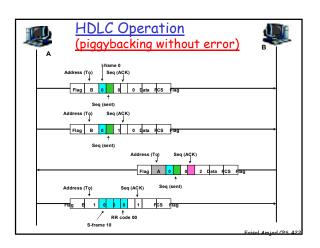
Faisal Amjad CPS 422











Reading Assignment

‰ HDLC operation examples in William Stallings and Forouzan books.

Faisal Amjad CPS 422