define error, fault and failure and types of faults and failure and recovery mechanisms

- Fault: Causes a failure

· Component

· Design - Error: May lead to a failure

· Recoverable or Not Recoverable

· Severity

- Failur: Devictor from green fraction.

RTO -> uptom /doundne 9 95

RPO txns/ops "Cost data"

* Fanlts:

- Transient

- Intermettent

- Persist

* Concerns

- Availability

- Reliability

- Safedy - Mandanability

* Carrents

Fault -> Error -> Failure does not always happen!

6) Behavior ostssle of speedbadion is not alway, a Failvre!

· Faihre Modes
- Crash: Complete Failure (Tracture State
- Omissions: 510, Failure to sent/pecerre comms
- Timmy: Response (Processing outside of time throshelds (+ meant)
- Response: Incorrect original I result
- Omissions: 510, Fasture to sent/receive comms - Timing! Response (Processing outside of time througholds (timeout) - Response: Incorrect output /result - Arbitrary! Catch-All (incorsistent/onlinear results or behavior)
- Monstormy / Dlerdong: Marvel Interredon
- Monstormy / Dlerding: Marvel Interneding
- Rehendend Beckey Compounds: Degrabel Finctionality - Checkpoint / Logs: Recovering State / Resterding
- Checkpoint / logs: Recovering State / Resterding