- **Fault Tolerance (fig 6.30):** Lease (vs. locker) + timed locker

Failed, Defined, Concurrent, (single)
  - Rows: Incident, Interpreted, Defined
  Mitigate, Authorize

- **Diagram:**
  - Steps labeled 1, 2, 3, 4, 5, 6
  - Arrows indicating flow

  - "Allocate/assign to:" followed by a list of items
  - "Relaxed Consistency Model in GPS:
    Aspects CSE 536 All 05.12.17"
A. ![C? - C? F O clock skew bound](image)

- Clock skew protocol
  - Synchronized physical clock at each node
  - Lease time to be removed

- Master
  - TMM, with key
  - Primary
    - 5. Change
      - Command
      - TPS
  - Secondary
    - 6. Change
      - Command
      - TPS

R = 3/4 + RL

\[
\frac{1}{8} \leq \frac{1}{3}
\]

\[
\frac{1}{8} \leq \frac{1}{3}
\]
1. Writer / straddle chunk boundaries are broken up into multiple write ops.

Atomic Record Append

1. the append offset is selected by GFS record.
2. size of append is restricted to \( \frac{1}{4} \) of max chunk size.

Applications

- self-validating, self-identifying.

- check pointing.

Snapshots

- makes copies of a file or directory.

EA writes on copy of F at C1, "lazy copying" C1 { are avoided on copying same across m/c's.