Coordinator / Participant — Three-Phase Commit Protocol state diagram

- **Coordinator** side:
  - INITIAL → write begin_commit → WAIT
  - WAIT → Any No?
    - Yes → write abort → ABORT
    - No → write prepare_to_commit → PRE-COMMIT → write commit → COMMIT → write end_of_transaction

- **Participant** side:
  - INITIAL → Ready to Commit?
    - No → write abort
    - Yes → write ready → READY
  - READY → Type of msg
    - Abort → write abort → ABORT
    - Prepare-to-commit → write prepare_to_commit → PRE-COMMIT → write commit → COMMIT

- Messages:
  - PREPARE
  - VOTE-ABORT
  - VOTE-COMMIT
  - GLOBAL-ABORT
  - PREPARE-TO-COMMIT
  - READY-TO-COMMIT
  - ACK
  - GLOBAL-COMMIT
  - ACK
  - (Unilateral abort)