**Log Consistent Scheme**

1. The auditor takes a trustworthy snapshot of the database.
2. For every transaction, the hash of the new tuples created is recorded in the Compliance log.
3. On every page read, the hash of the page is recorded in the Compliance log.
4. At the next audit, the auditor validates the final state and the intermediate page hashes against the compliance log and the initial snapshot.

**Effect on Transaction Throughput**

Our scheme slows down the transaction throughput by less than 10%.

**In a time-split B+ tree, each element in a node is a (k, t) pair.**

**Nodes may be split on key or time value.**

**In a time split, elements valid before splitting time t, are moved to the historical page, while elements valid after time t are copied to the live page.**

**The historical page, which would never be split again, is stored on WORM, while new subsequent insertions happen in the live page.**

With a Time-split B+tree, ~ 80% of the pages can be moved to WORM.