TCOMMIT

This instruction commits the current transaction. If the current transaction is an outer transaction, then Transactional state is exited, and all state modifications performed transactionally are committed to the architectural state. TCOMMIT takes no inputs and returns no value.

Execution of TCOMMIT is UNDEFINED in Non-transactional state.

System
(FEAT_TME)

31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
1	1	0	1	0	1	0	1	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	1	1	1	1	1	1	1

```
    TCOMMIT
```

```
if !IsFeatureImplemented(FEAT_TME) then UNDEFINED;
```

Operation

```
if !IsTMEEnabled() then UNDEFINED;

if TSTATE.depth == 0 then
    UNDEFINED;

if TSTATE.depth == 1 then
    CommitTransactionalWrites();
    ClearExclusiveLocal(ProcessorID());

TSTATE.depth = TSTATE.depth – 1;
```