**High-Level LTMS 2nd Edition Flowchart**

Report a valid reference to TMC

Does the difference (ei) between current test severity (Yi) and the historical severity of the adjusted entity (Zi-1) indicate this test may not be representative of the entity?

No

Does the current severity of the adjusted entity (Zi) indicate the entity continues to measure the selected parameter in a manner that is representative of the physical mechanisms the test is intended to measure and does the LTMS continue to interpret results in the manner originally intended?

Reference is acceptable

Yes

No

Conduct another reference immediately and perform Undue Influence analysis.

Yes

Evaluate appropriate interval for next reference

Conduct another reference immediately.

*Note operation at this severity level indicates a sustained trend of producing results that significantly deviate from target and a thorough investigation of the reference entity should be conducted before resuming referencing.*