

## CODE

## COMMENTARY

**27.6.2** Acceptance criteria for cyclic load test results shall be in accordance with **ACI 437.2M**.

**27.6.3** If a member fails a cyclic load test, it shall be permitted to retest the member or structure in accordance with ACI 437.2M. It shall be permitted to waive the maximum deflection limit ( $\ell_r/180$ ) in ACI 437.2M that precludes a retest.

response of the structure is used to evaluate the performance of the tested element. The acceptance criteria for the cyclic test are based upon deviation of the load deformation response from linear elastic behavior, permanency of deflections during each cycle of the load test, and recovery of deflection after completion of the load test.

**R27.6.3** **ACI 437.2M** precludes a retest if the member exceeds a maximum deflection limit of  $\ell_r/180$  (Section 6.4.4.2 in ACI 437.2M-13). For consistency with the monotonic testing protocol, this limit is waived.