Subject: PTC 19.3 – 1974, Wake Frequency Calculation (WFC)

Question 1. For years we have been performing Wake Frequency Calculations using an off-the-shelf software package that claims to conform to PTC 19.3. Is there a process by which ASME provides verification or certification of this kind of software?

Answer: No. ASME has no knowledge or control over any claims that any software product meets the requirement PTC 19.3

Question 2. About a year ago, this same software company changed the output of the WFC calculation for the ratio of wake to natural frequency, r, from 1 decimal place to 2 decimal places. PTC 19.3, page 4, states that the ratio, r, "shall not exceed 0.8". We are requesting clarification as to what this specifically means.

Answer: For all types of standards, "0.8" means "0.8 exactly". Thus, 0.799 would pass a requirement of "less than 0.8", but 0.801 would not.