# Code Case OMN-7
# Alternative Requirements for Pump Testing

*Inquiry:* What alternative to the requirements of ASME OM Code, Subarticle ISTB-5.1 may be used in conjunction with Code Case OMN-3, Requirements for Safety Significance Categorization of Components Using Risk Insights for Inservice Testing of LWR Power Plants, for inservice testing to assess the operational readiness of pumps in light water reactor power plants?

*Reply:* It is the opinion of the Committee that, in lieu of the rules of ASME OM Code, Subsection ISTB, Subarticle ISTB-5.1, the following alternative requirements may be applied.

*Applicability*: See Applicability Index.

## 1 SCOPE

The pumps covered by this Code Case are all those pumps determined to be within the scope of the risk-informed IST Program in accordance with Code Case OMN-3, Requirements for Safety Significance Categorization of Components Using Risk Insights for Inservice Testing of LWR Power Plants.

## 2 REQUIREMENTS

### 2.1 Related Requirements

Use of this Code Case also requires compliance with the requirements of ASME Code Case OMN-3 (risk ranking). Code Case OMN-3 groups components into one of two categories

*(a)* high safety significant component (HSSC).

*(b)* low safety significant component (LSSC). Trending of parameters in accordance with Subsection ISTB meet the performance monitoring requirements of Code Case OMN-3, para. 4.6.

### 2.2 HSSC Testing Requirements

Group A and Group B pumps categorized as HSSCs shall meet all the requirements of Subsection ISTB.

### 2.3 LSSC Testing Requirements

Group A and Group B pumps categorized as LSSCs shall meet all the requirements of Subsection ISTB, except that the testing requirements identified in this paragraph and in the table below may be substituted for those in para. ISTB 5.1 (Table ISTB 5.1-1). All Group A and Group B LSSC pumps shall receive an initial Group A test conducted within ±20% of pump design flow rate as soon as practical and no later than the first refueling outage following implementation of this Code Case. Thereafter, all Group A and Group B LSSC pumps shall be Group A tested within ±20% of pump design flow rate at least once every 5 yr or three refueling outages, whichever is longer.

| Pump Group | Group A Test | Group B Test | Comprehensive Test |
|---|---|---|---|
| Group A (routinely or continuously operated pumps) | 6 months [Note (1)] | Not required | Not required |
| Group B (standby pumps) | 2 yr | 6 months [Note (1)] | Not required |

NOTE:
(1) To meet vendor recommendations, pump operation may be required more frequently than the specified test frequency.

## 3 ADDITIONAL REQUIREMENTS

*(a)* The Owner shall develop a transition plan and implementation schedule for this Code Case.

*(b)* Feedback and corrective actions shall be taken in accordance with Code Case OMN-3, para 4.7.

*(c)* If the maximum test interval as determined from the aggregate risk assessment of Code Case OMN-3, para. 4.5.2, for a specific component is more limiting than the test frequency of para. 2.2 or 2.3 above (as applicable), the most limiting test interval shall be used for that component. A Group A or Group B test, as applicable, shall be performed to satisfy the increased test frequency requirements.