

## COLD SOAK TESTS



### Definition

Operations on airports under very low temperatures expose the aircraft, and its various systems, to adverse conditions.

### Purpose of the Flight Tests

To ensure all systems remain operational when the aircraft is operated in conditions with very low temperatures on ground. The following two cases are tested:

- Turn around test to validate a short stop at the gate
- Night stop test, where the aircraft spends a full night on the apron, to validate the procedure for starting all systems after a night stop.

These tests are performed with a minimum outside temperature of below  $-30^{\circ}$ .

### Application to Line Operations

Special care must be taken for operational procedures in cold weather operations that are validated by these tests. Any deviation may cause damage to aircraft systems.

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