



FORM: ACCL-PC5
ACCL THIRD-PARTY LABORATORY APPROVAL
PROCEDURE AND CHECKLIST FOR WITNESS TESTING

AHRI CERTIFICATION PROGRAM FOR AIR-COOLED (ACCL)
WATER CHILLING PACKAGES

Third Party Laboratory:
Date of Review:
Results:

Instructions to AHRI Representatives: The following Third-Party Laboratory (Laboratory) Approval Procedure and Checklist is to be used by the AHRI Representative to document the suitability of the third-party laboratory to conduct tests for the Air-Cooled (ACCL) Water Chilling Packages Certification Program at a Participant's Test Stand (Test Stand). This checklist can also be used by the AHRI Representative to document the suitability of the third-party laboratory to conduct test stand inspections.

This Third-Party Lab Approval Procedure and Checklist is to be used in conjunction with the AHRI General Operations Manual (OM) for AHRI Certification Programs, the ACCL OM and the latest edition of AHRI Standard 550/590 (I-P) or AHRI Standard 551/591 (SI) (Standard). Where the AHRI General OM, the ACCL OM and this Witness Test Procedure and Checklist differ, the other documents shall prevail. The completed checklist shall be maintained by AHRI upon the completion of the review.

If the Third-Party Laboratory fails to comply with the conditions listed below:

- Notify AHRI
Notify Third-Party Laboratory

REPRESENTATIVE DATA POINT (IF
INITIALS APPLICABLE)

Pre-Visit- Third-Party Approval for Witness Testing

Provide documentation of the following:
1. ISO Standard 17025 accreditation
2. Sample test reports
a. Participant's name and contact information
b. Witness test report number
c. Unit model number
d. Trade name
e. Compressor type
f. Unit type (water-cooled or air-cooled)
g. Refrigerant
h. Volts
i. Frequency
j. Serial number
k. Date(s) of test
l. Summary of certified ratings including certified and measured values, rating ratio (%) and results of test
m. Name of specific test loop on which test is conducted
n. Summary of test observations and recommendations
Review documentation to confirm technical competency to the latest edition of the Standard

REPRESENTATIVE INITIALS	DATA POINT (IF APPLICABLE)
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**Day of Visit – Third-Party Approval for Witness Testing**

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|-------|-------|--|
| _____ | _____ | <p>Upon arrival, request a brief meeting of the involved parties to review the following information:</p> <ol style="list-style-type: none"> <li>1. Safety rules at the site</li> <li>2. Instrumentation List Calibration Summary Sheet (to be placed in the project file)</li> </ol>  |
| _____ | _____ | <p>Demonstrate ability to develop, publish, and administer a testing schedule that allows all selected equipment to be tested within the calendar year.</p>  |
| _____ | _____ | <p>Demonstrate required web-based tracking system.</p>   |
| _____ | _____ | <p>Calibration program</p> <ul style="list-style-type: none"> <li>• Record keeping system</li> <li>• Traceability</li> </ul>   |
| _____ | _____ | <p>Field Data Acquisition system has the capability of monitoring the test condition measurements as per the ACCL OM</p>   |
| _____ | _____ | <p>Required Instruments:</p> <ol style="list-style-type: none"> <li>1. One (1) differential pressure gauge</li> <li>2. Temperature probes               <ol style="list-style-type: none"> <li>a. Two (2) for measuring water temperatures</li> <li>b. Additional probes, equal to the number of aspirating psychrometers</li> <li>c. Electrical power measurement system</li> <li>d. Barometer</li> </ol> </li> </ol> |
| _____ | _____ | <p>Instrumentation must meet requirements of the Standard except the following:</p> <p>Electrical Current Transformers are exempt from the requirement for accuracy class 0.3, provided that the current measurement system meets the accuracy requirements in the Standard, Appendix C, Table C1.</p>   |

**This checklist & all supporting documents have been reviewed & approved by:**

\_\_\_\_\_  
PRINTED NAME OF REPRESENTATIVE

\_\_\_\_\_  
SIGNATURE OF REPRESENTATIVE

\_\_\_\_\_  
DATE