



**FORM WCCL-PC4
WCCL THIRD-PARTY LABORATORY APPROVAL
PROCEDURE AND CHECKLIST FOR WITNESS TESTING**

**AHRI CERTIFICATION PROGRAM FOR WATER-COOLED WATER
CHILLING AND HEAT PUMP WATER-HEATING (WCCL) 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 Water-Cooled Water Chilling and Heat Pump Water-Heating (WCCL) 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 WCCL 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 WCCL 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:
		<ol style="list-style-type: none"> 1. ISO Standard 17025 accreditation 2. Sample test reports <ol style="list-style-type: none"> 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	DATA POINT (IF
INITIALS	APPLICABLE)

Day of Visit – Third-Party Approval for Witness Testing

- _____ _____ Upon arrival, request a brief meeting of the involved parties to review the following information:
1. Safety rules at the site
 2. Instrumentation List Calibration Summary Sheet (to be placed in the project file)
- _____ _____ Demonstrate ability to develop, publish, and administer a testing schedule that allows all selected equipment to be tested within the calendar year
- _____ _____ Demonstrate required web-based tracking system
- _____ _____ Calibration program
- Record keeping system
 - Traceability
- _____ _____ Field Data Acquisition system has the capability of monitoring the test condition measurements as per the WCCL OM
- _____ _____ Required Instruments
1. Two (2) Differential Pressure Transducers
 2. Four (4) Temperature Sensors
 3. Electrical Power Measurement System
- _____ _____ Instrumentation must meet requirements of the Standard except the following:
- 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.

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

PRINTED NAME OF REPRESENTATIVE

SIGNATURE OF REPRESENTATIVE

DATE