AHRI PERFORMANCE CERTIFICATION PROGRAM FOR COMMERCIAL FURNACES

FACILITY AND EQUIPMENT QUESTIONNAIRE

		F	Participant's Company Na	ame:					
			Location:						
1.	What is the operating range of this facility? Name:								
	(a)	Capacity, BTU/HR	Minimum	Maxin	num				
	(b)	Power Supply:							
		60 Hz, 3φ	Volts						
			Max. Amps						
	(c)	50 Hz, 3φ	Volts						
			Max. Amps						
2.	. How long does it take for you to install a unit for test (fully instrumented)? Persons Hours Man-Hours								
3.		How long does it take you to conduct a complete test series (Thermal Efficience start to finish, including calculations?							
	Mar	n-Hours		Persons ———					
4.	How many shifts per day shall you employ for the AHRI witness testing?								
5.	What type of equipment do you use for measuring inlet and outlet temperatures?								
		Describe							
		Frequency instrume	nt is calibrated?						
		Is the primary stand	ard traceable to NIST? _						
6.	Туј	pe of gas flow measu	ring instruments do you u	use?					
	(a)	Diaphragm/bellows	meters						

	(b)	Coriolis meters					
	(c)	Rotary meters Frequency instrument is calibrated?					
		Is the primary standard traceable to NIST?					
7.							
	(a)	a) Scale					
		Frequency instrument is calibrated?					
		Is the primary standard traceable to NIST?					
	(b)	Burrette					
		Frequency instrument is calibrated?					
		Is the primary standard traceable to NIST?					
8.	Тур	Type of instrument used to determine Higher Heating Value?					
	(a)	Gas Calorimeter					
	(d)	Gas Chromatograph					
	(c)	Standard Hydrometer					
		Frequency instrument is calibrated?					
		Is the primary standard traceable to NIST?					
9.	Type of equipment do you use for Combustion Gases (CO, CO2) levels?						
		Describe					
		Frequency instrument is calibrated?					
		Is the primary standard traceable to NIST?					
10.	Тур	pe of equipment used for measure gas pressure?					
		a. Pressure Gage					
		Frequency instrument is calibrated?					
		Is the primary standard traceable to NIST?					

	b. Ma	anometer				
	Frequ	uency instrument is calibrated?				
	Is the	e primary standard traceable to NIST?				
11.	Type of e	quipment used for measure gas/oil temperature?				
	a. Th	ermometer				
	Frequency instrument is calibrated?					
	Is the primary standard traceable to NIST?					
	b. Th	ermocouple Probe				
	Frequ	uency instrument is calibrated?				
	Is the	e primary standard traceable to NIST?				
12.	Type of instrument(s) used to determine voltage and current? <u>Voltage Current</u>					
	(a)	Analog Meter				
	(b)	Digital Meter				
	(c)	Transducers				
	(d)	Other				
	Fr	equency instrument is calibrated? Voltmeter				
		Ammeter				
	Is the primary standard traceable to NIST?					
		Voltmeter				
		Ammeter				
13.	Describe data acquisition system and data obtained.					

	14.	Method to determine the barometric pressure?		
		(a) Barometer at site (at level of test)		
		(b) Commercial weather information (radio, phone)		
		(c) Other		
	15.	Is a regulated voltage supply available for the test unit? Yes No		
	16.	If not "regulated," shall the voltage stay within the allowable tolerance of Commercial Furnace Program – Test Protocol during the testing? Yes No		
		(Describe):		
		Complied by:		
Date:				