Standard Job Procedure	Heater Check Factory Acceptance Test Procedure		IFS-FAT-HTR Engineering	
			Effective:	05 May 2006
	Author: Ryan Skender	Approval: Leandro Bruno	Revision:	15 Dec 2010

Purpose: The factory acceptance test procedure is for verifying that all power circuits of the heater are connected per the specifications, piping and instrument diagrams (P&ID), and electrical drawings issued for the particular project.

P&ID Drawing(s):_____ Electrical Drawing(s):_____

Amp Probe/SN:_____ Last Calibration Date:_____

TC Simulator/SN:_____ Last Calibration Date:_____

Multi-Meter/SN:_____ Last Calibration Date:_____

Tested By (Please Print & Sign): _____ Date Tested:_____

Preparation:

- Close the main circuit breaker and prepare to energize the heater.
- If possible, provide air flow across the heater bundle to prevent excessive heat build up.
- Set the over temperature controller to a reasonable value.

Load Check:

- Energize the heater 100%. (For applications that rapid heat build up is a concern, energize the heater one circuit at a time.)
- Using an amp probe, verify that the currents of each circuit are balanced and that the current measurement is approximately equal to the values on the electrical drawings.

Heater Tag/Circuit #	ØA	ØB	ØC

OTC Check:

- Lower the setting of the over temperature controller or use a thermocouple simulator to adjust the mV signal to the OTC.
- Energize circuit number one (bundle thermocouple location) 100% and verify that the over temperature controller trips the main circuit breaker.

- Sign and date the procedure.