

## Sample Functional Test Forms

This section contains sample Functional performance Test procedures in a form format (FT). The sample FT procedures displayed in a form format here, are to provide contractors and CA with an example of a format and an indication of the rigor of the required testing and documentation for various equipment types. **They were not developed for this project.** Other forms and formats are acceptable if they comply with the rigor, clarity and intent of all the commissioning specifications. The CA will use the functional testing requirements in Sections 15997 and 16997 and the testing protocols specified in Section 17100 for developing site-specific functional test procedures and forms for this project. For illustrative purposes, sequences of operation associated with a few pieces of the equipment for which tests are included are also provided.

The tests are provided in electronic file format (Word 6.0 for Windows 3.1). The file name is at the bottom of each page. The file name extension “ft\_” stands for Functional Test and the last digit is the version number. Any MS Excel spreadsheet files are noted with their usual .xls extension. Some of the equipment also has a file with full sequences of operation, for reference when viewing the test procedures, and to illustrate the desired rigor of sequences of operation.

<u>SYSTEM</u>	<u>ELECTRONIC FILE NAME</u>
Air handler unit (cooling only)	ahu_cool.ft_
Air compressor (smoke damper)	aircompr.ft_
Boiler (packaged for heating water)	boilerhw.ft_
Boiler system sequences	boilerseq.004
Boiler system (multiple HW)	boilersys.ft_
Cabinet unit heater	cabunhtr.ft_
Chiller system	chiller.ft_
Chiller system sequences	chiller.seq
Economizer (airside)	econtest.ft_
Fin tube radiator	fintube.ft_
Heating fan coil unit	htfncoil.ft_
Packaged rooftop AC unit	pkg_rtu.ft_
Small service water circ. pump	smlcpump.ft_
Split air conditioner (small)	split_ac.ft_
Service water heater	srvc_wh.ft_
TAB spot check	tab.ft_
Terminal unit (with HW reheat, 1-duct)	tu_rehet.ft_
Terminal unit (cooling only 1-duct)	tu_clg.ft_
Terminal unit (dual duct VAV)	tu_ddvav.ft_
Terminal unit (dual duct fan series)	tu_ddfan.ft_
Unit heater	unit_htr.ft_
Variable speed drive (fan)	vfdfan.ft_
Variable speed drive (pump)	vfdpump.ft_
Emergency power and UPS (comprehensive, big)	e-powbig.ft_
Emergency power and UPS	e-power.ft_
Exterior lighting controls	extlight.ft_
Lighting sweep controls	sweep.ft_