



Fast Start Modification

Product Description

- LM6000 PC, PD, PF, PG, and PH units have the unique ability to reach full power (simple cycle) from a cold start within 10 minutes.
- The current start sequence will be modified to reduce overall start-up time, dependant on the turbine type.
- Accomplishing such a quick cold start will require changes to sequencing software, along with possible HMI and core software changes.
- Fuel system must meet the requirements set in GE position paper PP07. Compliance is mandatory.
- Purge times may limit the start up reduction. Applications with HRSG or SCR require a minimum of five minutes.

Customer Value

- Reduced start up times help meet peak turbine demands.
- **The following table breaks down the start up cycle:**

Start initialization, enclosure purge	30 seconds
Engine/Stack/SCR or HRSG with or without air purge fans	X minutes, as required for 5 Air Changes
Accel to sync idle	2 minutes
Warm up at sync idle	2 minutes
Accel to full load without Sprint operations	4 minutes
TOTAL	X minutes XX seconds

Applicable Units

LM6000*	✓	LM2500	
LMS100	✓	LM5000	
LM1600		TM2500	

* Configured for LM6: PC, PD, PF, PG, PH

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All values are design or typical values when measured under laboratory conditions.

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