



# 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 Vernova 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.

| Applicable Units |   |        |  |
|------------------|---|--------|--|
| LM6000           | ✓ | LM2500 |  |
| LMS100           | ✓ | LM5000 |  |
| LM1600           |   | TM2500 |  |

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

## Customer Value

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

| 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                                |
| <b>TOTAL</b>  | <b>X minutes XX seconds</b>              |

GE Vernova's global service network provides life cycle support for more than 3,500 aeroderivative gas turbines worldwide to help you meet your business challenges and success metrics – anywhere and anytime. Our global service network connects with you locally for rapid response to your service needs.

**To learn more about this product and its applicability to your gas turbine, please contact your GE Vernova Gas Power sales representative.**