

# C-GYKN & C-FCCA

LTS-101-700 SERIES

**Major Cycle definition:** Between each **start** and subsequent **shutdown**

**Minor Cycle definition:**

**NG** - An Ng operation is defined as a gas generator speed operation from above 90% Ng to **below 80% Ng** and back to above 90% Ng.

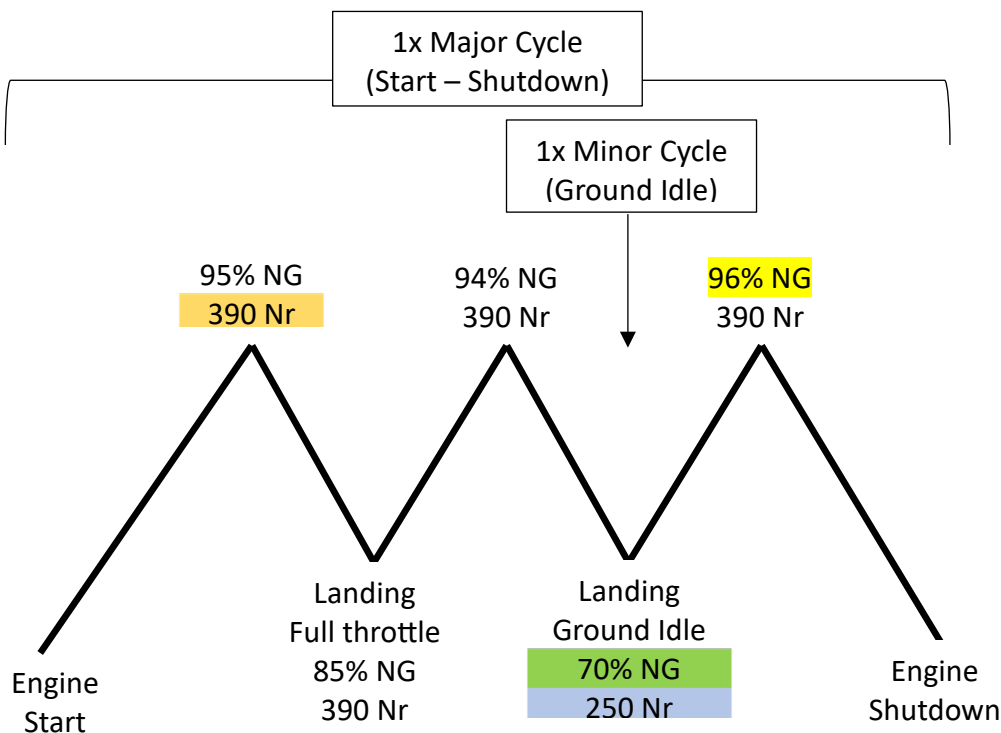
**NP** - Minor Cycle definition: An Np operation is defined as a power turbine speed operation from above 85% Np to **below 85% Np** and back to above 85% Np

Np MAJOR Cycle		
Max Turbine Speed (%Np)	M/R Speed (NR-RPM)	Major Cycle
96	377.9	0.5
98	385.8	0.7
<b>99</b>	<b>389.8</b>	<b>0.85</b>
100	393.7	1
101	397.6	1.25
102	401.6	1.55
103	405.5	1.95

Np MINOR Cycle	
Min NR RPM %	Minor Cycle
230 - 249	0.15
<b>249 - 326</b>	<b>0.05</b>
326 +	0

NG MAJOR Cycle	
Max Ng %	Major Cycle
93.2	0.3
95	0.4
<b>96</b>	<b>0.5</b>
97	0.6
98	0.7
99	0.7
100	0.8
101	1
102.7	1.2
104.1	1.5
104.8	2.2
106.1	4

NG MINOR Cycle	
Min Ng RPM %	Minor Cycle
45	0.50
50	0.40
55	0.40
60	0.30
65	0.20
<b>70 +</b>	<b>0</b>



## Np Cycles

1x major @ 390 Nr = 0.85  
1x minor @ 250 Nr = 0.05  
**Total = 0.90**

## NG Cycles

1x major @ 96% = 0.5  
1x minor @ 70% = 0.0  
**Total = 0.5**