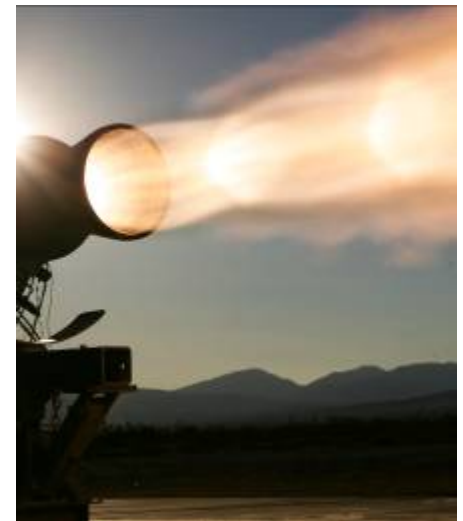




**Facility Checkout Test Fire (10 seconds) on Vertical Test Stand (VTS)**



**Integrated Stage 2 (IS2)  
in VTS Prior to Test**

**Liquid Oxygen (LOX) Cold Flow  
and Conditioning Tests on VTS**

**Test of Cooled Pintle Tip  
on Horizontal Test Stand**



**Propane Conditioning  
Tank**



**Flame Bucket Reinforced  
for Long Duration Burns**

**Engine  
Mounting  
Segments**



**Cooled Pintle Tip**