



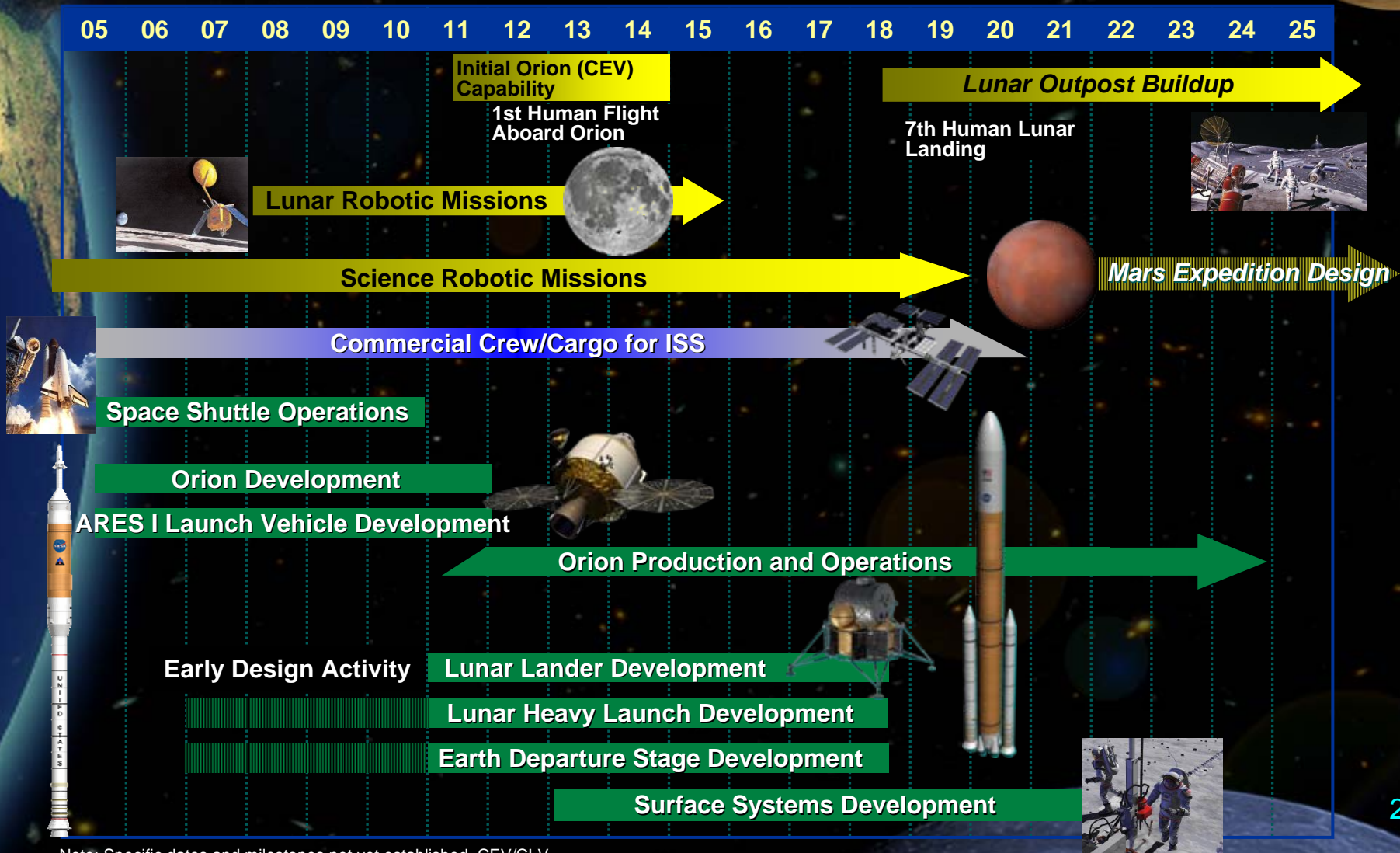
Development and Operation

Scott “Doc” Horowitz

Associate Administrator

NASA Exploration Systems Mission
Directorate

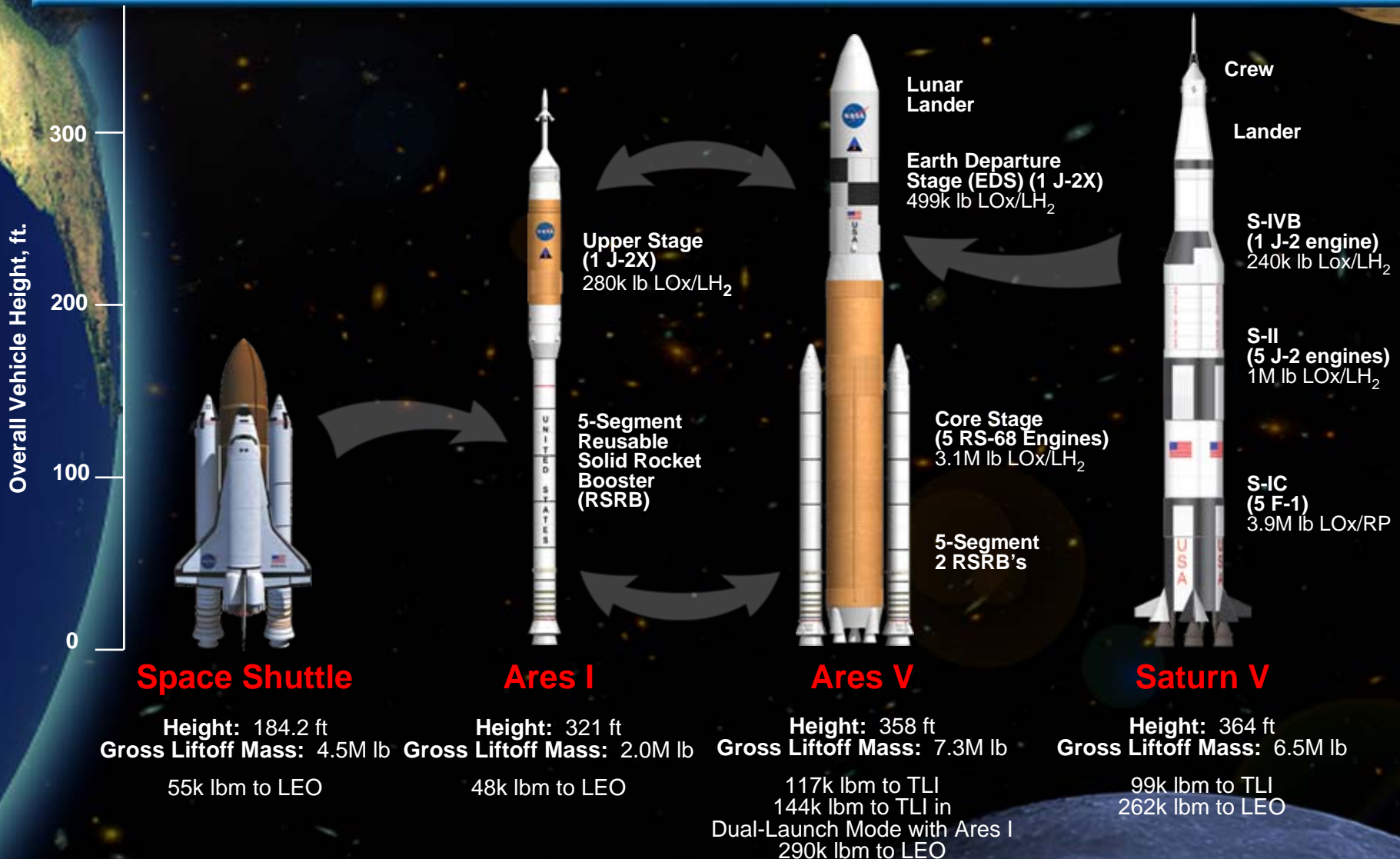
Exploration Roadmap



Note: Specific dates and milestones not yet established. CEV/CLV availability planned for as close to 2010 as possible, but NLT 2014. Return to the moon as early as 2018, but NLT 2020.

Building on a Foundation of Proven Technologies

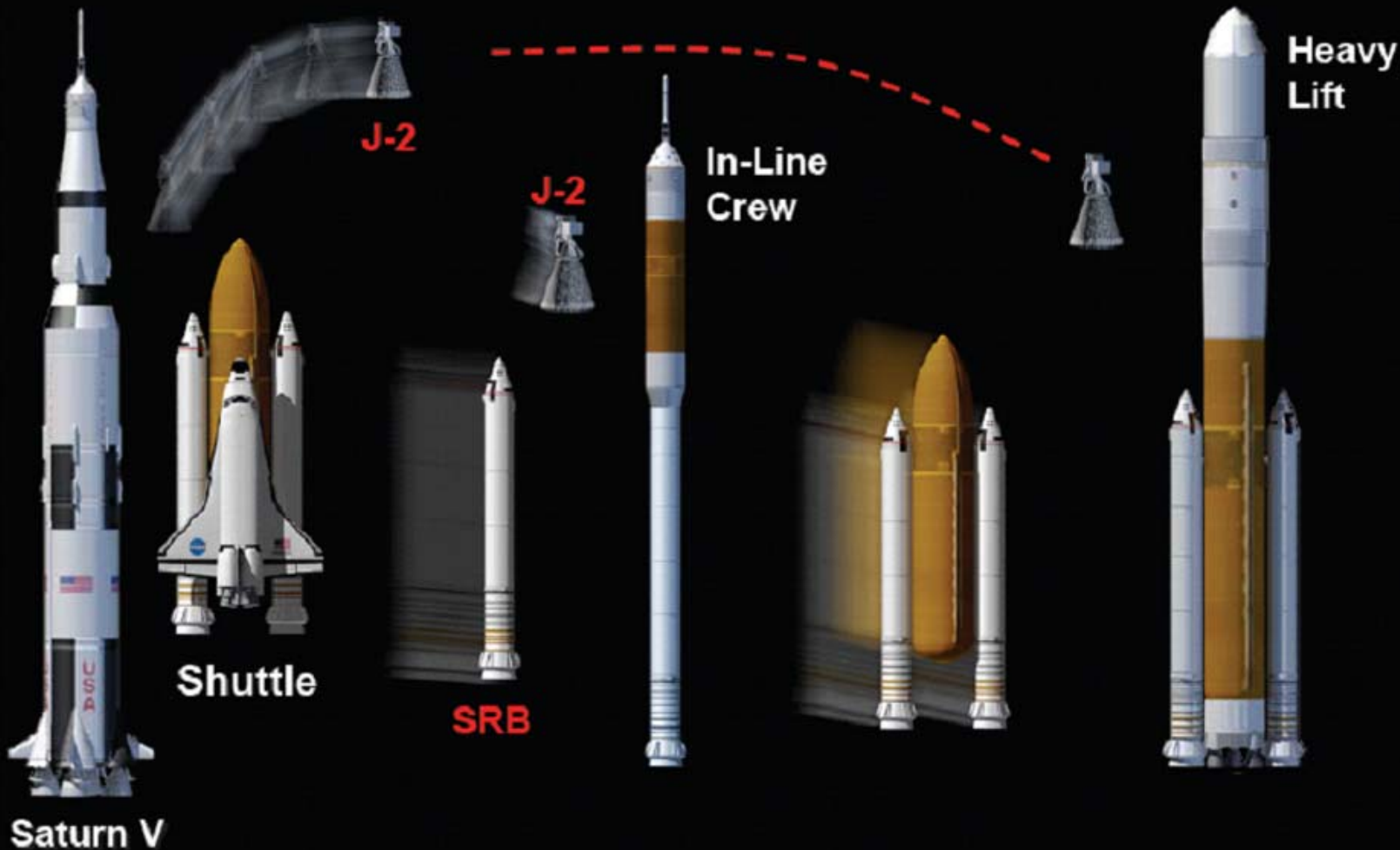
Launch Vehicle Comparisons



Heritage Derived Launch Vehicles

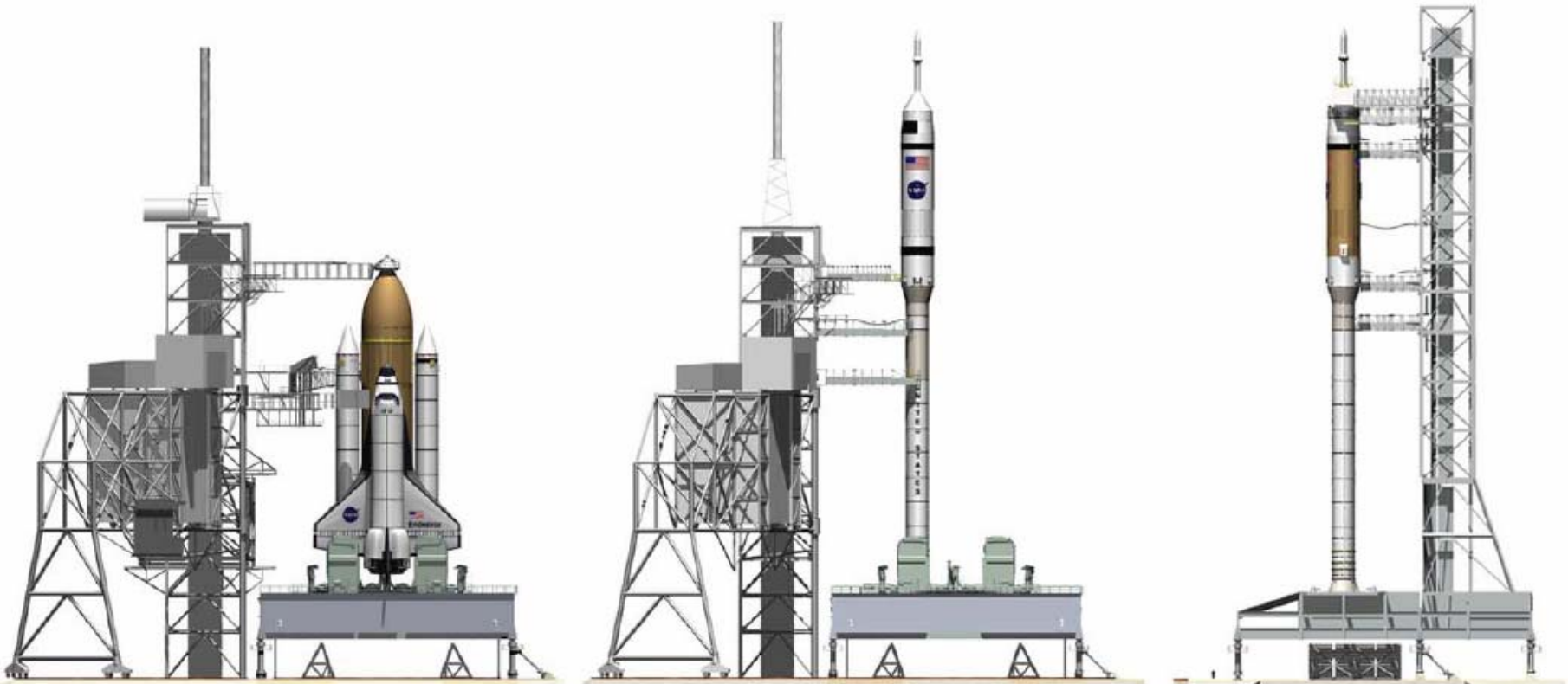


Return to the Moon and Beyond



Implementing the Vision

Launch Pad 39B Transition



**Shuttle at LC-39B
(looking north)
1985 - 2006**

**ADFT-0 at LC-39B
(looking north)
2009**

**CLV at LC-39B
(looking west)
2011**

A1 Test Stand

