

Kennedy Space Center Spaceport Development Update

COMSTAC
Launch Operations Support
Working Group
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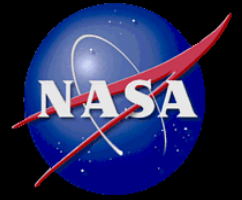


KSC Spaceport Development Update Summary



- *Continuing Shuttle Landing Facility (SLF) Expanded Access Demonstration Program*
- *Completing Environmental Assessment for SLF Expanded Uses*
- *Supporting Commercial Orbital Transportation Services*
- *Implementing cooperative agreement with Space Florida to help facilitate improved spaceport infrastructure and access*

SLF Expanded Access Demonstration Program



- *Initiated in July 2005*
- *To date, hosted seven diverse pathfinder projects*
- *Proven compatibility of uses with NASA's mission and requirements*
- *Demonstrating operating concepts and parameters applicable to future uses, e.g. suborbital spaceflight*



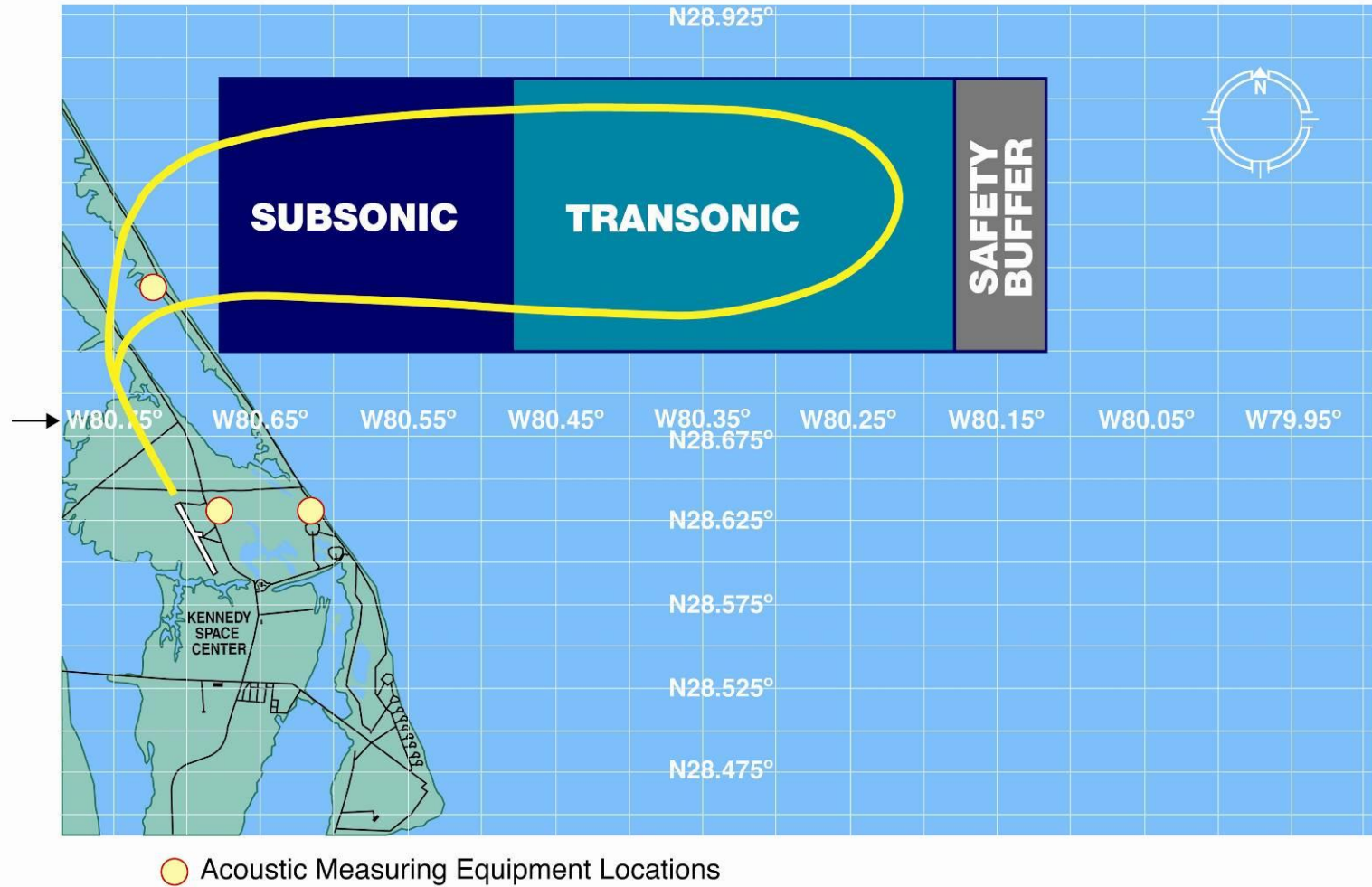
Starfighters F-104 Suborbital Pathfinder Project



- *Simulating suborbital flight trajectories and operating concepts*
- *Initial test flights provided sonic boom data for EA*
- *Testing of Autonomous Flight Safety System & other instruments planned*
- *Other proof-of-concept tests are in planning stage with NASA and FAA*



Flight Path for F-104 Sub-orbital Simulation



SLF Expanded Use Environmental Assessment

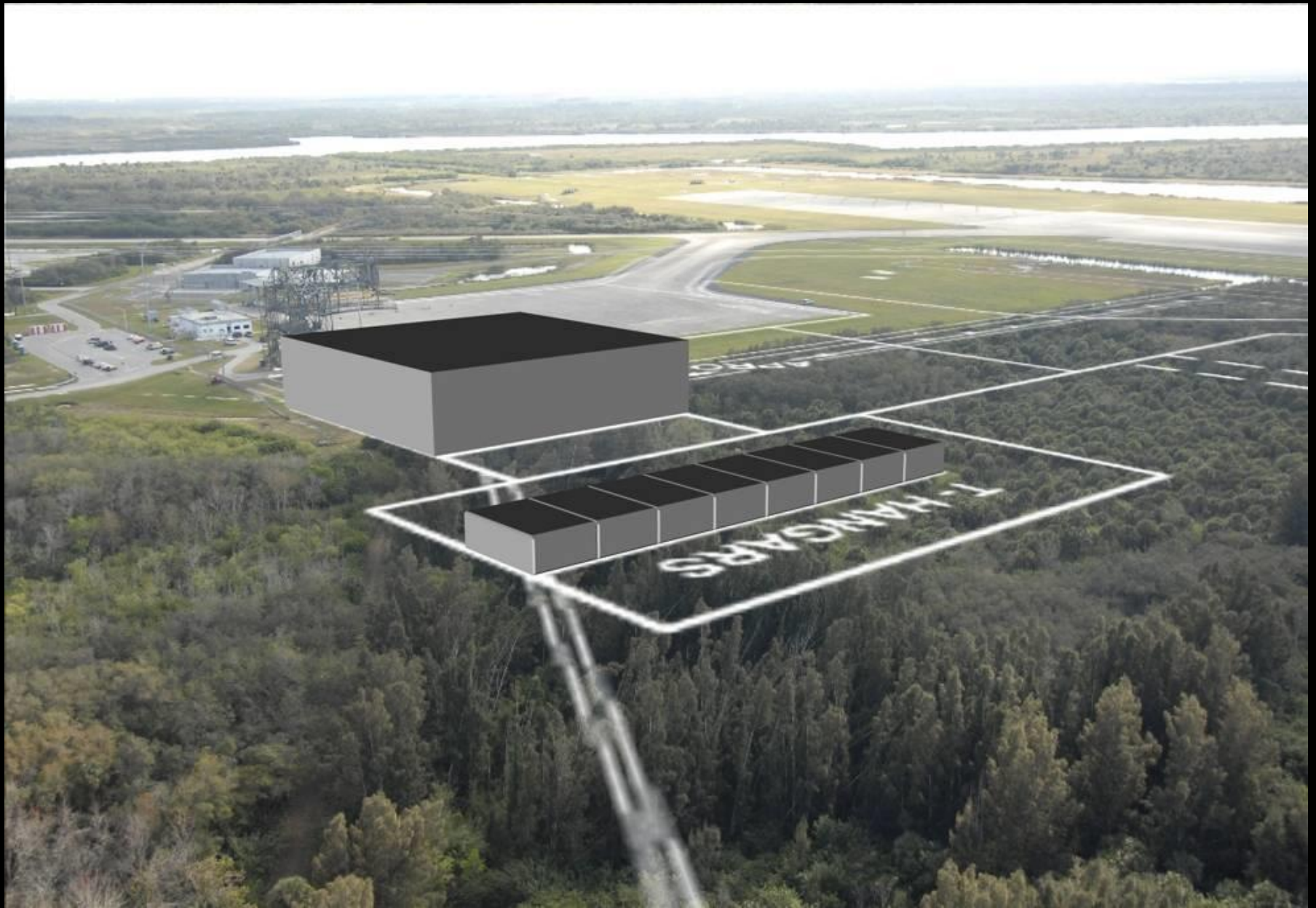


- *Initiated in October 2006*
- *Draft is in final preparation*
- *Addresses expanded uses envisioned from 2008-2015*
 - *Spaceflight Development/Ops*
 - *Spaceflight Program & Mission Support Aviation*
 - *Aviation Test Operations*
 - *Airborne R&D*
 - *Other test applications*
- *Anticipate final draft by end of July*



Potential infrastructure enhancements at SLF south field area to support expanded uses





Interagency Agreement Between NASA and Space Florida



- *Agreement recently signed to facilitate cooperative planning for improved spaceport infrastructure and access*
- *Facilitates joint planning and pre-development activities to:*
 - *Renew and upgrade existing infrastructure and technologies at NASA-KSC*
 - *Improve access to and utility of spaceport infrastructure and capabilities by commercial space services providers*
 - *Foster a robust spaceport hosting diverse but compatible uses supporting civil space*



Professor Stephen Hawking returns to Kennedy Space Center after April 26, 2007 flight



“Space – Here I come.”

*Professor Stephen Hawking
April 26, 2007 at KSC SLF
following Zero Gravity flight*

