A major new exhibition at the Smithsonian’s National Air and Space Museum
World’s showcase of aerospace technology

7 million visitors per year

Up to 11 million web site virtual visitors per year

Rare opportunity to create a new permanent 5,000 square-foot exhibit

Unique collaboration between two Smithsonian museums:

National Museum of American History and National Air and Space Museum
**Exhibit highlights include:**

- A walk-through 19th-century sailing vessel
- A submarine navigation center
- Navigation satellites
- A historic aircraft
- A robotic vehicle

**Unique artifacts and activities will demonstrate four major themes:**

- If you want to know where you are, you need an accurate clock.
- Exploring new environments—sea, air, and space—has driven changes in how we navigate.
- For centuries, nations have invested enormous resources to determine time and place.
- Precise timekeeping and navigation change our view of the world.
Exhibition Plan

Introduction
If you want to know where you are, you need an accurate clock.

Navigation at Sea
Learn how mariners were lost at sea without clocks.

Navigation in the Air
See how aviators adapted marine techniques and took to the skies.

Navigation in Space
Meet the navigators who guide spacecraft across the solar system.

Inventing Satellite Navigation
Encounter the teams who put clocks in satellites to locate points on Earth.

Navigation for Everyone
Discover the role of time and navigation in your life.
How did you find your way here today?
How do we see our place in the world?

If you want to know where you are, you need an accurate clock.
Learn how mariners were lost at sea without clocks.
Learn how mariners were lost at sea without clocks.
See aviators overcome the challenges of navigating in the air.
Navigation in the Air

- Challenges of Air Navigation
- Learning to Navigate in the Air
- The World at War

See aviators overcome the challenges of navigating in the air.
Meet the navigators who guide spacecraft across the solar system.
Inventing Space Exploration

A Radio Network for Space Navigation

Meet the navigators who guide spacecraft across the solar system.
Encounter the teams who put clocks in satellites to locate points on the Earth.
Encounter the teams who put clocks in satellites to locate points on the Earth.

- Early Satellite Navigation
- Inventing GPS
- GPS for the Battlefield
Discover the role of time and navigation in your life.
Discover the role of time and navigation in your life.

- New Frontiers
- From Field to Table
- Global Opportunities, Challenging Questions
- A Changed World
Hear key figures discuss the central role of time in navigation.
Family Day events are free and open to the public.

Classroom resources that promote STEM education.

Online exhibition activities on the websites of both museums.

Take content beyond the gallery walls to enrich the experience.
Communication

Media Outreach
• Advance tour for long-lead media
• Press kit (to include sponsor statements)
• Press event (just before public opening)

Marketing Plans
• Advertise using new electronic methods
• Reinforce with traditional placements (Washington Post, e-newsletter, etc.)
Schedule

June 2009 - Nov. 2010
Script & Artifact Development

September 2009 - May 2011
Design Development:
- Preliminary gallery layout and design
- Gallery design
- Preliminary web design
- Planning for educational components

May 2011 - November 2012
- Exhibit Fabrication
- Gallery Modification
- Installation
- Web & Education Development

November 2012
Exhibit Opening
(Private & Public Events)
Northrop Grumman
ITT Corporation
Honeywell
National Geospatial-Intelligence Agency
U.S. Department of Transportation
Magellan
National Coordination Office for Space-Based Positioning, Navigation and Timing
Rockwell Collins
Institute of Navigation