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## Air Force Space Safety



In the early 1960s, President Kennedy established criteria requiring an "INSRP" to provide the POTUS with a risk assessment for launches containing threshold amounts of radioisotope materials. Air Force Safety provided this information to the POTUS for every mission since that time on behalf of the DoD and synchronized work with the Department of Energy, Environmental Protection Agency, National Aeronautics and Space Administration, and the Nuclear Regulatory Commission.

*Today Air Force Space Safety executes the INSRP mission on behalf of the DoD*

*Launch Abort Working Group 45th Space Wing Safety*

*Space Nuclear Systems Working Group Sandia National Laboratories*

### Most recent INSRP missions:

Mars Science Laboratory "Curiosity rover"  
Launched: Nov '11; Landed on Mars: Aug '12



Mars 2020  
Empaneled Sep '16  
Launch date: '20

## Space Safety Mission

Air Force Space Safety's mission is to preserve combat space-power by anticipating, reducing, and preventing mishaps. We develop, execute, and evaluate Air Force space mishap prevention programs and execute Interagency Nuclear Safety Review Panel responsibilities on behalf of the Department of Defense. We promote safety awareness and mishap prevention with DoD, Civil, Commercial, Academic, and our International partners, the Space Safety Council, and media programs. We oversee mishap investigations, conduct evaluations, and ensure application of corrective actions and mishap inclusion to the Air Force Safety Automated System.

## Space Safety Vision

A professional, space-savvy action arm of the AF Safety Center dedicated to a safe, combat-ready space domain



# AF Space Safety Strategy

## Safeguard

### the Mission

#### **Axiom: Improve proactivity**

Objective: Develop / Implement / Sustain hazard ID & mitigation programs to preserve combat space-power

#### **Axiom: Incorporate Agility / Safety analyses into the life cycle process**

Objective: Evaluate Program Office Risk Analysis Processes / procedures and provide effective actionable feedback

## Codify

### the Mission

#### **Axiom: Clarify AF Space Safety Policies / Guidance / Programs**

#### **Axiom: Influence standardization of DoD Space Safety policies/guidance/programs**

Objective: Establish/execute working relationships with DoD policy authorities

#### **Axiom: Advocate for Space Safety Standards of Practice with DoD, civil, commercial, academic, and international partners**

Objective: Establish/execute working relationships with stakeholders

## Inculcate

### the Mission

#### **Axiom: Bolster awareness to all Airmen**

Objective: Educate / Train space professionals

Objective: Provide competency evaluation and knowledge oversight to space professionals

## Assure

### the Mission

#### **Axiom: Incorporate continuous improvement and change management into the safety evaluation process**

Objective: Analyze Safety Management System annual reports for trending and standardization

#### **Axiom: Improve evaluation process at applicable MAJCOMs / DRUs / FOAs**

Objective: Implement mishap prevention program elements / guide continuous improvement efforts

#### **Axiom: Develop / Implement / Sustain process for data acquisition / trending**

Objective: Analyze Space Pros' safety-related data collection / utilization / sufficiency for best practices sharing across the enterprise



***Beyond the Terminus***

**Advocate for standards of practice for use by all space users via United States interagency cooperation and the United Nations Committee on the Peaceful Uses of Outer Space**

