

# Societal Impacts of Space Weather Events

## Space Weather Enterprise Forum 2010

Presented by

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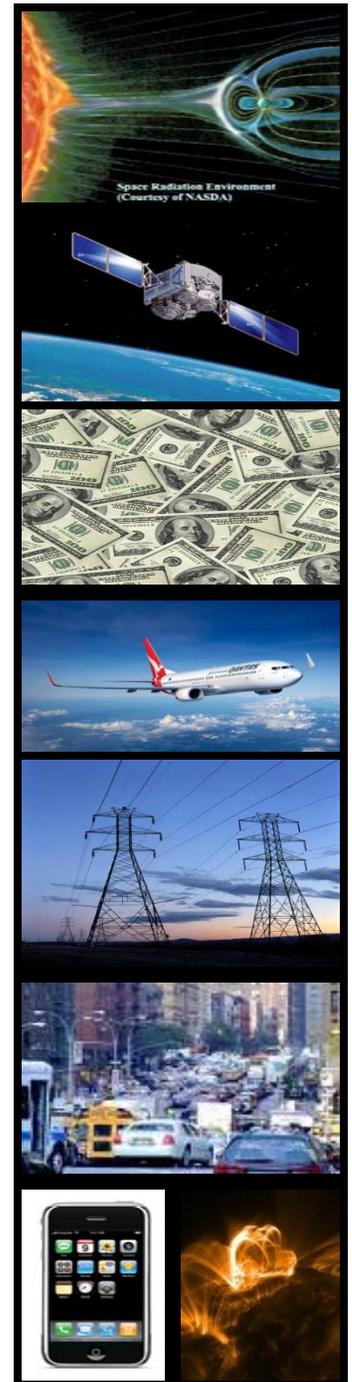


# Space Weather can...

- Disrupt GPS systems
- Alter accuracy of compasses
- Damage satellite operations
- Increase risk to space programs
- Result in catastrophic power outages

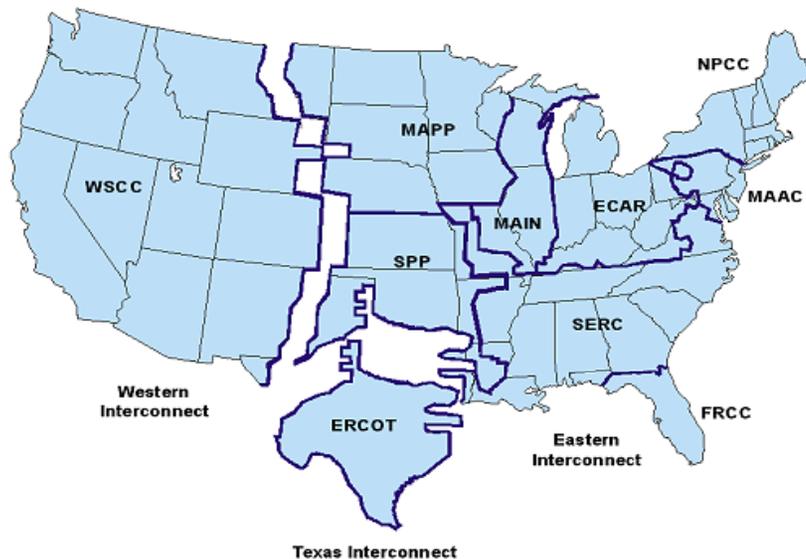


*...The Earth is an  
Interconnected ,  
Technology –dependent,  
near Paperless,  
Wireless System*

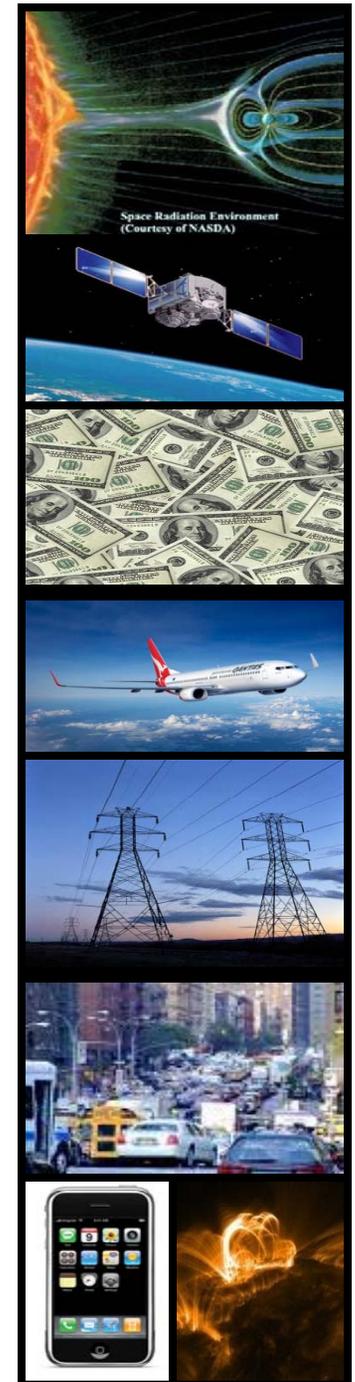


# Major Societal Impact...

- Catastrophic power grid outages
  - Potential health consequences
  - Interrupt transportation arteries
  - Loss of communication networks
  - Disrupt banking and finance systems
  - Civilian, military, and commercial costs



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# ***What does the public understand about space weather?***

## **Certainties**

- **Little knowledge of nature, risks & impacts**
- **Majority of events go unnoticed**
- **Main information source: Electronic media**

## **Uncertainties**

- **Level of risk planning??**
- **Preparedness for high consequence events??**
- **Hierarchy of responsible partners??**



# Need for Viable Partnerships

## GOAL

Ensure public safety and societal resilience.

- Government
- Business
- Education
- Global
- Public



*If we do not expect an event to occur, then we will not plan for its consequences...*

