

The background of the slide features a satellite in the upper left corner, with its solar panels and antenna visible. Below the satellite, a stylized grid of white lines is overlaid on a light blue background. At the bottom of the slide, a satellite image of the Earth shows the North American continent, including the United States and parts of Canada, with green landmasses and blue oceans.

Future We Want on Geospatial Information & Services for Disasters

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and Geo-information**

**New York
2016-08-01**

Review on Previous Work

Chengdu Forum on UN-GGIM in 2013



- Consider establishing a Working Group to enhance the capacity of countries in disaster preparedness, mitigation, response and recovery taking full advantage of geospatial technologies and expertise.
- A recognition that geospatial information has a vital role to play in all phases of hazard and disaster risk management and reduction
- Agreement on urban hazard and disaster mapping as a key input into the development of a roadmap for a Global Map for Sustainable Development (GM4SD) by UN-GGIM.

China Suffered with Natural Disasters

中国主要自然灾害及其分布 (1900—2000年)

MAJOR NATURAL DISASTERS

- ※ 地震
- 滑坡、泥石流
- 洪灾
- 旱灾
- 台风、风暴潮
- ⊕ 病虫害

- 洪灾区
- 旱灾区



Laws on Emergency

Emergency Response Law

Date issued: 08-30-2007

Effective date: 11-01-2007

Issuing authority: Standing Committee of the National People's Congress

Area of law: Civil Affairs, National Security

Document Number:

Order of the President of the People's Republic of China (No. 69)

Regulation of Basic Surveying (State Council Order 556)

Mapping agencies shall

- Carry out emergency mapping tasks,
- Equip with relevant devices and apparatus,
- Organize training and practice,
- Improve emergency mapping capability continuously



中华人民共和国 突发事件应对法

法律出版社

附草案说明



中华人民共和国中央人民政府

The Central People's Government of the People's Republic of China

网站首页 | 今日中国 | 中国概况 | 法律法规 | 公文公报 | 政务互动 | 政府建设 | 工作动态 | 人事任免 | 新闻发布

当前位置: 首页 > 法律法规 > 行政法规

中央政府门户网站 www.gov.cn 2009年05月20日 来源: 国务院办公厅

【字体: 大 中 小】 [打印本页](#) [关闭窗口](#)

中华人民共和国国务院令

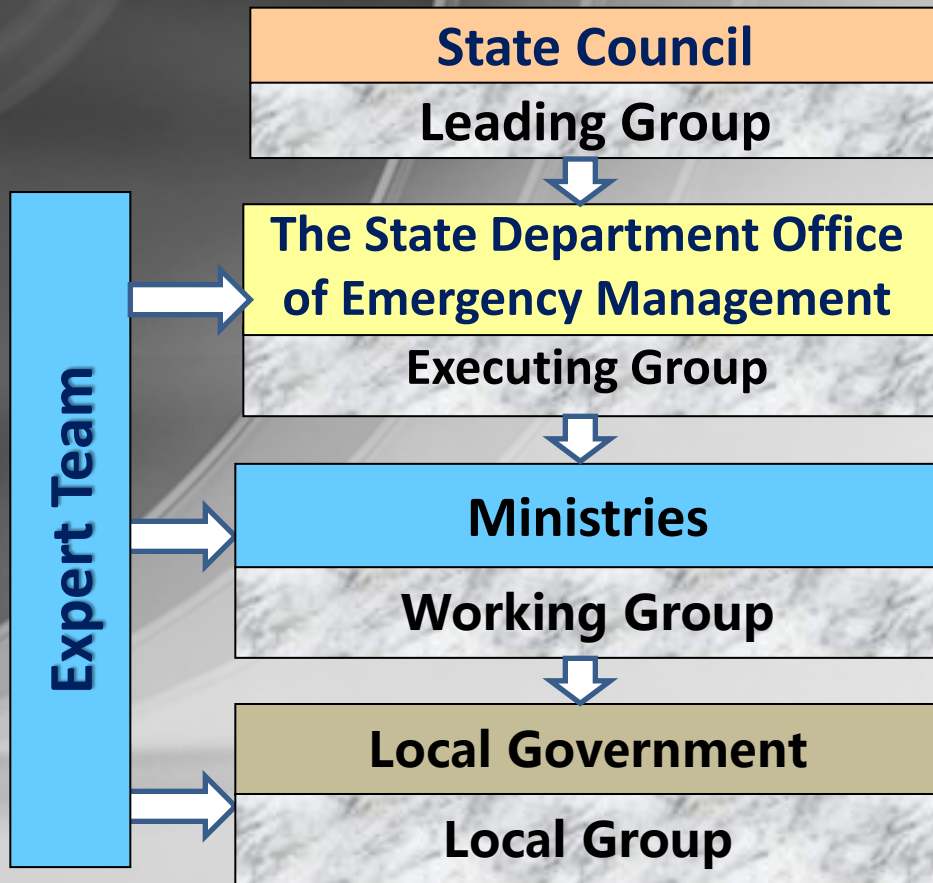
第 556 号

《基础测绘条例》已经2009年5月6日国务院第62次常务会议通过, 现予公布, 自2009年8月1日起施行。

总理 温家宝

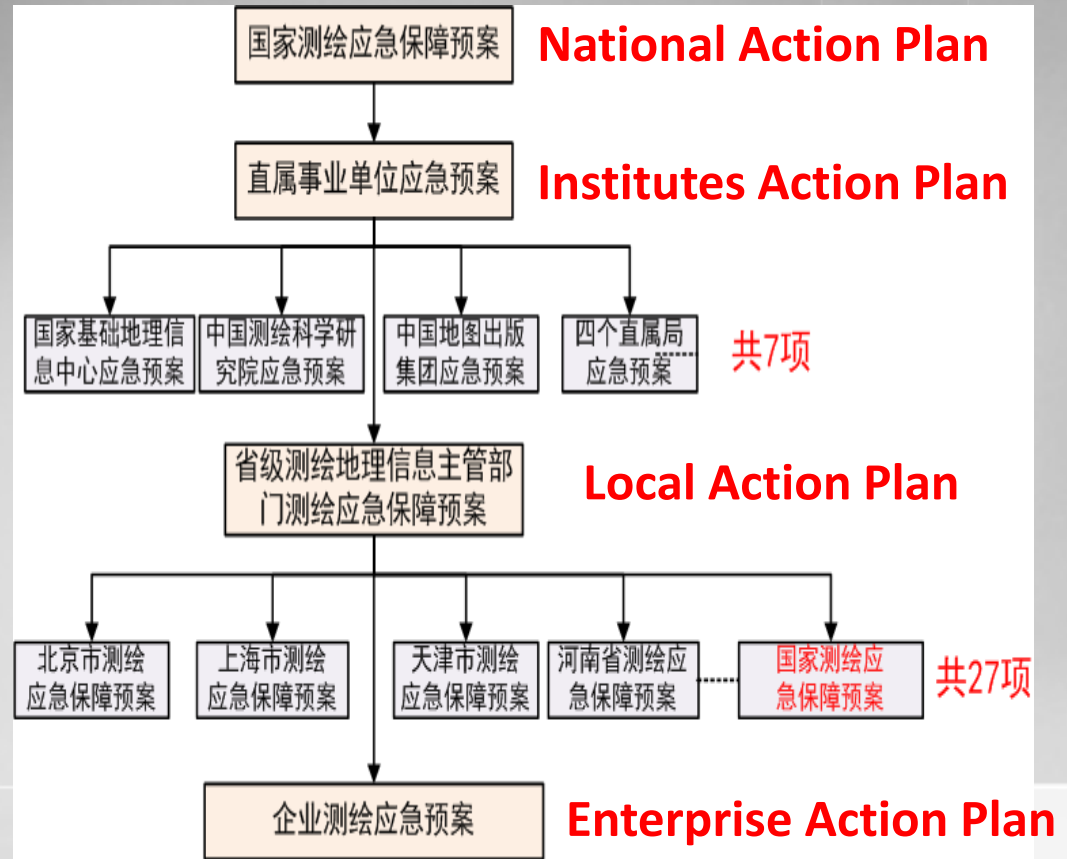
二〇〇九年五月十二日

National Emergency Commanding System



NASG, responsible for public and **emergency service** of surveying and mapping, has built the mechanism for emergency mapping

National Emergency Mapping Action Plan



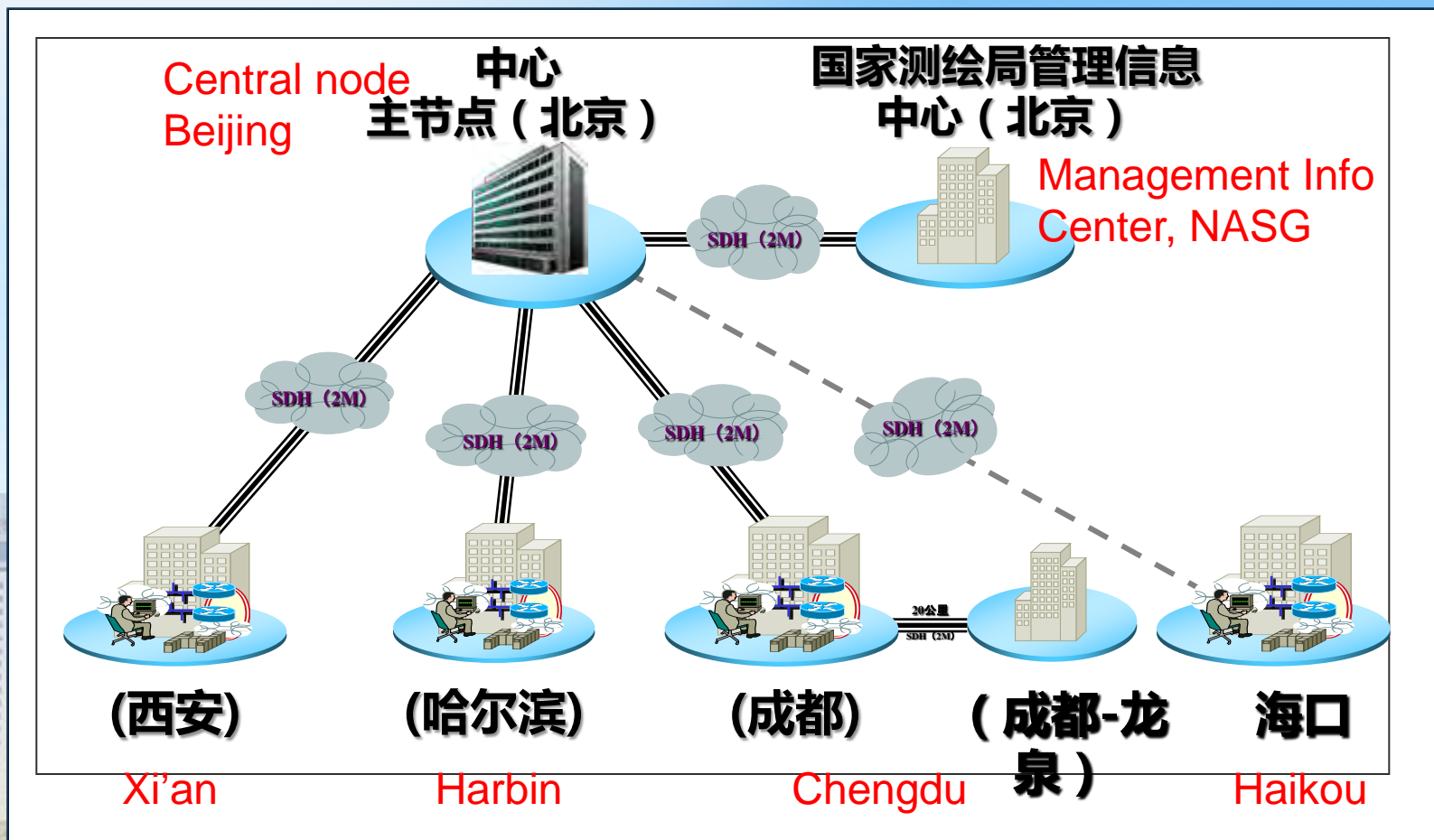
Mechanism + Capability + Preparing -> Quick Service

The State Council issued the National System of Emergency Action Plan, 2006.

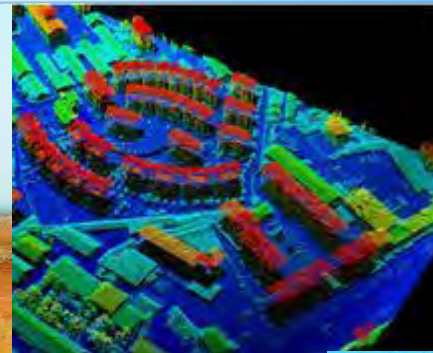
National Emergency Mapping Action Plan of NASG, Issued on Mar.18, 2009

Infrastructure for Emergency Mapping: Network

Fast and safety network for emergency data transfer



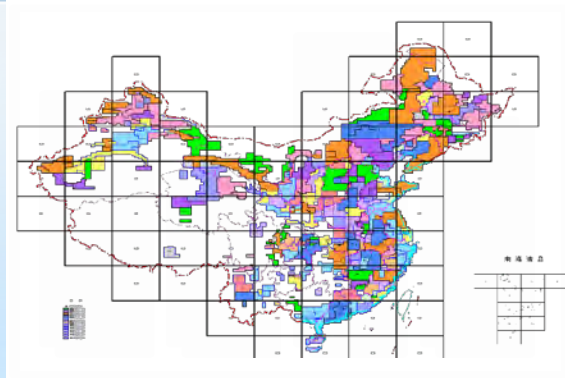
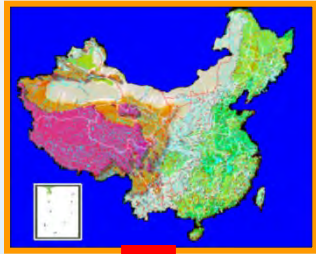
Infrastructure for Emergency Mapping: Instruments



- Airplanes
- UAV
- Cameras
- Integrated Mobile Mapping system
- RS Data Processing System

- Fast Mapping and Plotting Machine:
Responding time 10 to 20 Minutes
- An Integrated Emergency Mapping System

Emergency Data Resources



Air Photos

Satellite Data

A diagram showing a camera lens projecting a grid onto a ground plane. The ground plane is divided into a grid of squares, and the camera's field of view is shown as a cone of light.

- 1:1000000
- 1:500000
- 1:250000
- 1:100000
- 1:50000
- 1:25000
- 1:10000
- 1:5000
- 1:2000
- 1:1000
- 1:500

NFGIS

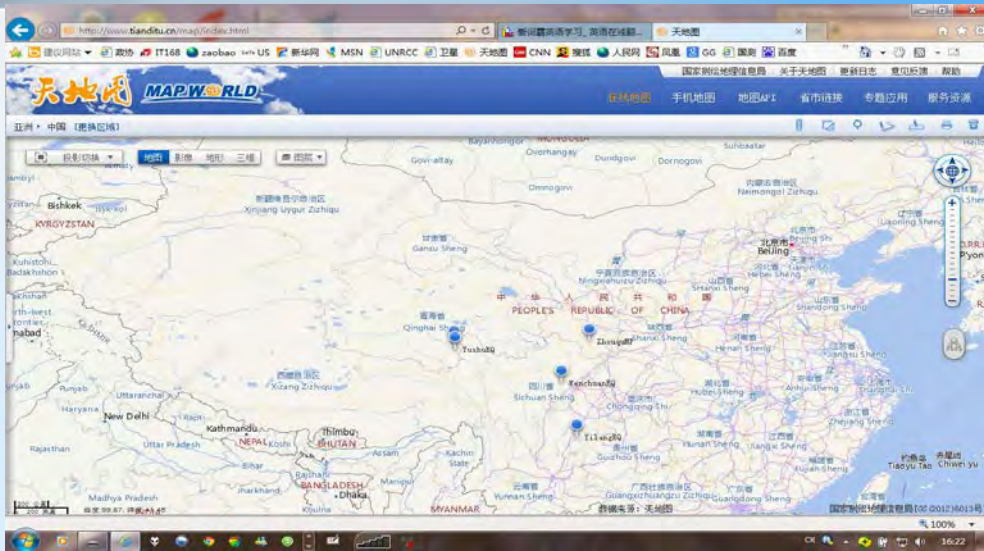


NAV Maps



Public Maps

National Emergency Platform



■ MapWorld, supervised by NASG supports various emergency data visualization for authoritative, reliable and unique service .



■ 3D Emergency decision support system

China has established national emergency platform including 8 rescuing bases and 19 aerial emergency transportation service bases.

A New Project on Emergency

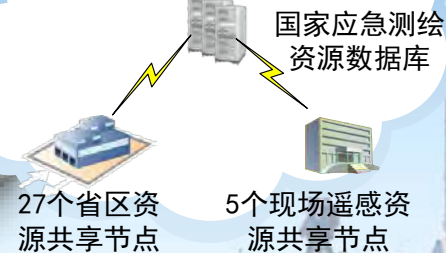
Approval time: Dec. 2015
Investment: over 81 million

National Service Departments



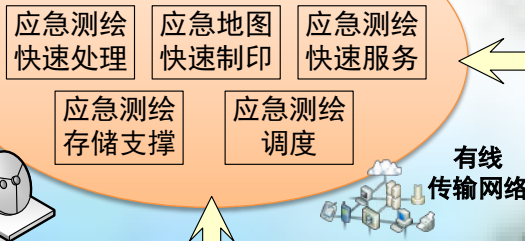
Emergency Resources Sharing

应急测绘资源共享



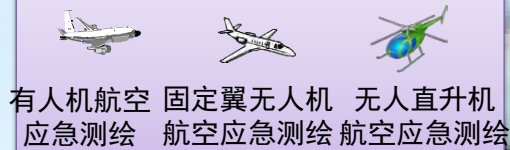
National Emergency Center

国家应急测绘中心



Aviation Emergency Surveying Bases

航空应急测绘基地



Frontline Service Objects

前线服务保障对象



Three Branches of Emergency Surveying

三支国家应急测绘保障分队



On-site emergency incidents

突发事件现场

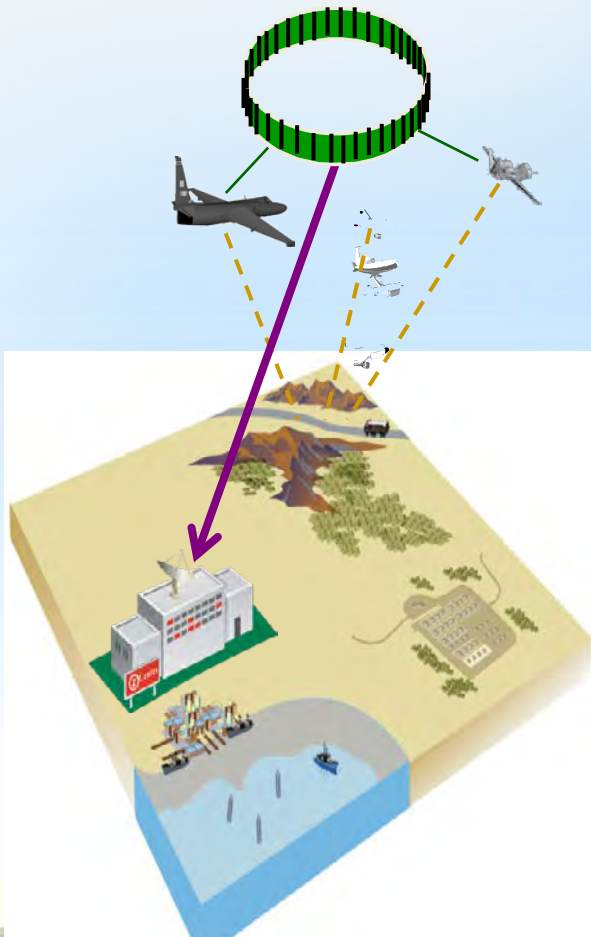
地震灾害
滑坡泥石流
洪涝灾害
火灾
.....



Realize the goal in the future

- Brings all stakeholders and partners together in Disaster Risk Reduction and Management (DRRM);
 - Raise the awareness of the governments on the importance of geospatial information in disaster preparedness, mitigation, response and recovery, sustainable development and safeguarding life.
 - Common Standards, Protocols and Processes;
 - Common Infrastructures and Services;
- 

Achievement in Emergency Mapping



- **Emergency Mapping System**
- **Quick response mechanism**
- **Commanding GIS platforms**
- **Emergency mapping brigades**
- **Increased Capability**
- **Performed well in mega incidents**

Emergency Mapping Capability



Capability Building Plan of E. Mapping



Capability Building

Aerial Survey

Emergency
Commanding

Field survey

Data Transfer &
Service

Data Process &
Analysis

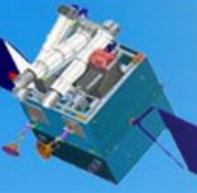
Platform

Teams

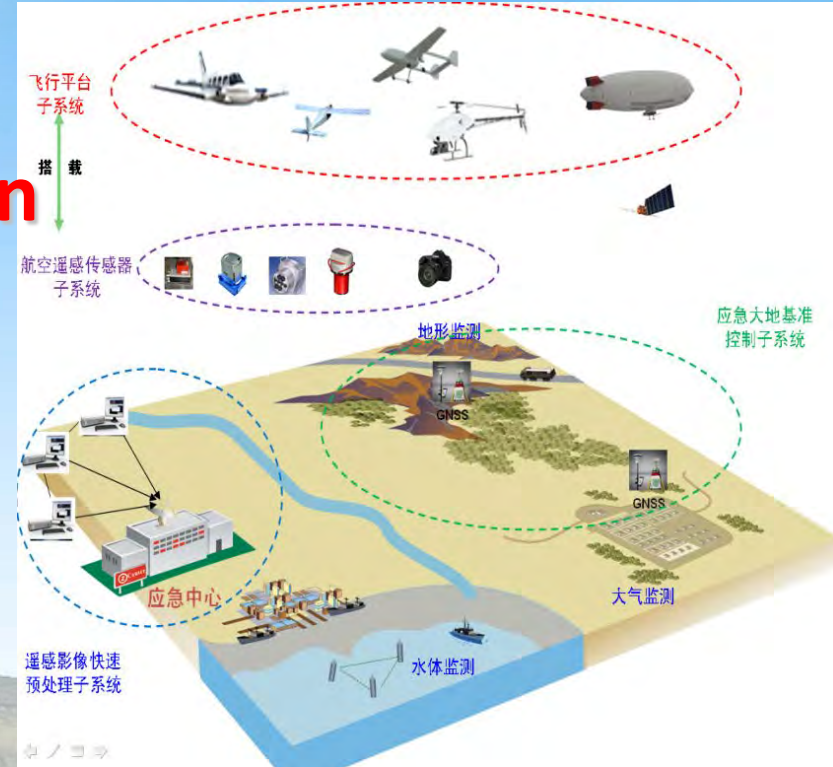
Emergency Mapping Capability



National Emergency Mapping Forces



- Nation wide
- Space-Air-Ground integration
- High suitability
- High flexibility
- High reliability
- Quick service



Thank you!

