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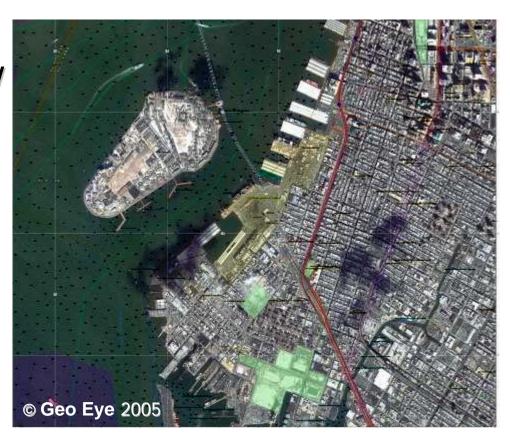
### Overview

- Importance of Commercial Remote Sensing (CRS)
- NGA's CRS Contracts
- CRS Now and in the Future
- Data Licensing and Copyright
- How to Search and Retrieve the CRS data

## ► The Importance of CRS

# Commercial Imagery enables

-Cooperation with federal, state, and local authorities in support of Homeland Security



Force Protection Port Graphic – New York

## Commercial Satellite Remote Sensing Contracts

- NGA has multiple commercial satellite remote sensing contracts
  - ClearView: Government contracts for imagery and imagery services from three domestic satellites (two companies) at one meter spatial resolution
  - NextView: Government contracts for imagery and imagery services from current and next generation (half meter resolution) domestic satellites
  - Low/medium resolution imagery and SAR data:
     Government contract with DoD/Title50 license

CRS Today

## High Resolution CRS

GeoEye- IKONOS
GeoEye- OrbView 3
Digital Globe- Quickbird



NGA has contracts to buy imagery from each of these platforms

## CRS Today

Medium Resolution CRS

ESA- Spot 4 and 5 Indian Remote Sensing

Canadian Space Agency Radarsat

NASA- Landsat 7 and Earth Observing



NGA has contracts to buy imagery from each of these platforms

## CRS – NextView Future Capabilities

### Expected benefits - available 2007/2008

- 1. **Better Resolution -**Next generation imagery (0.5-meter pan)
- Increase in daily Collection area collection (over 100,000 sq km monoscopic and 40,000 sq km stereoscopic imagery; over 150 monoscopic/stereoscopic points)
- 3. More data delivered Nominal delivery of over 60M sq km of pan imagery per year, per company
- **4. Faster delivery timelines** from tasking to delivery
  - Routine: NTE 36 hrs Ad hoc: NTE 4 hrs
- Lower prices for imagery, imagery-derived products-Broad licensing agreements (one license for all official business)

## Data Licensing & Copyright

 License - who is authorized to use the data (licensee & temporary licensed users)

### **General License Provisions**

what users can do with the data

Copyright - who owns the data

Think of commercial imagery the same way you view software you purchase for your home computer!

## Data Licensing

### ClearView License Users

U.S. Government including, all branches, departments, agencies, and offices

Temporary Licensed Users:

**State Governments** 

**Local Governments** 

Foreign Governments and inter-governmental organizations

NGO's and other non-profit organizations

USG may provide the imagery to these organizations when the organization is working with the USG on a \* joint project

## Data Licensing

### ■ Na

### **NextView License Users**

U.S. Government including, all branches, departments, agencies, and offices

#### Other Licensed Users:

**State Governments** 

**Local Governments** 

Foreign Governments and inter-governmental organizations

NGO's and other non-profit organizations

USG may provide the imagery to these organizations

### ClearView and NextView clarification



- -ALL Data purchased by NGA from DG is NextView Licensed regardless of AOR.
- -Some data purchased from GeoEye (Space Imaging) between 29 July 2005 and 1 Feb 2006 is NextView Licensed. The License depends on the area of collection and the way the data was purchased.
- -Data purchased by NGA before Feb 2006 from GeoEye (Orb Image) remains ClearView Licensed.
- -All imagery collected by GeoEye and purchased by NGA on or after Feb 1, 2006 is NextView licensed.

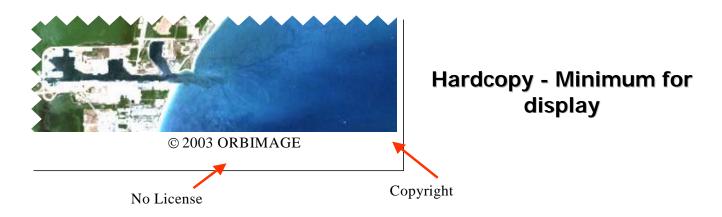
## Copyright

- For *released* items only, license type must appear with Copyright on image, in metadata, or in credits if not practical to include on image, e.g. video. Examples:
  - © 2004 Space Imaging LLC DoD Title 50 and Coalition Forces License Or
  - © 2004 Digital Globe NextView License
- For displayed items license type need not appear

## Copyright



#### **Hardcopy - Minimum for release**

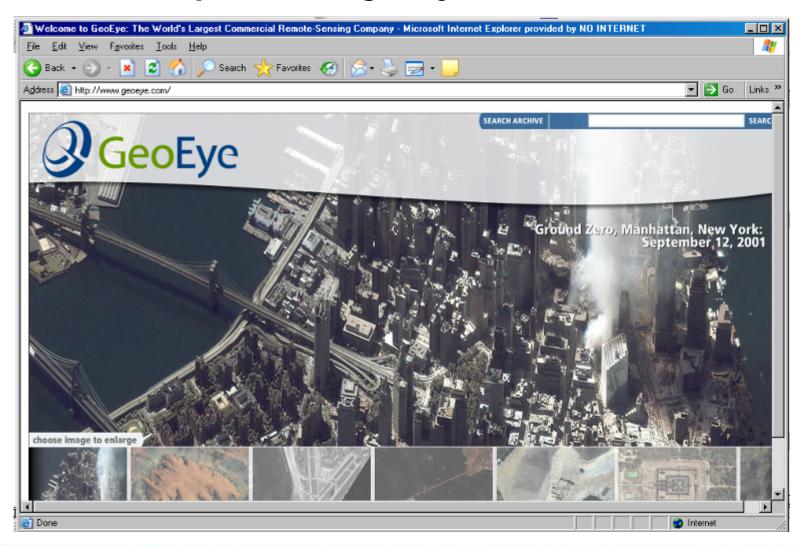


### Search and Retrieval

- Search Vendor Libraries
- Request New Imagery

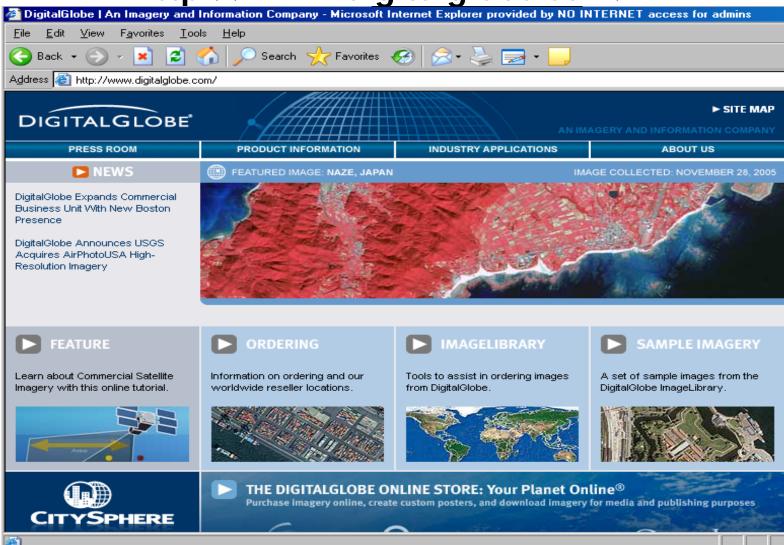
### Search Vendor Archives

### http://www.geoeye.com/

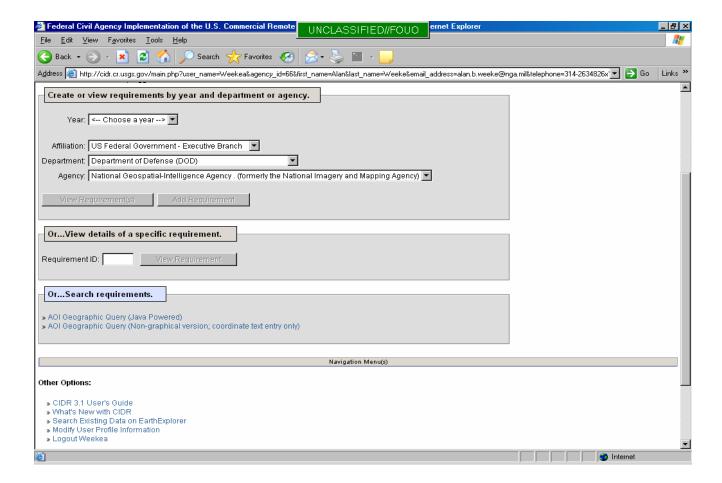


### ▶ Search Vendor Archives

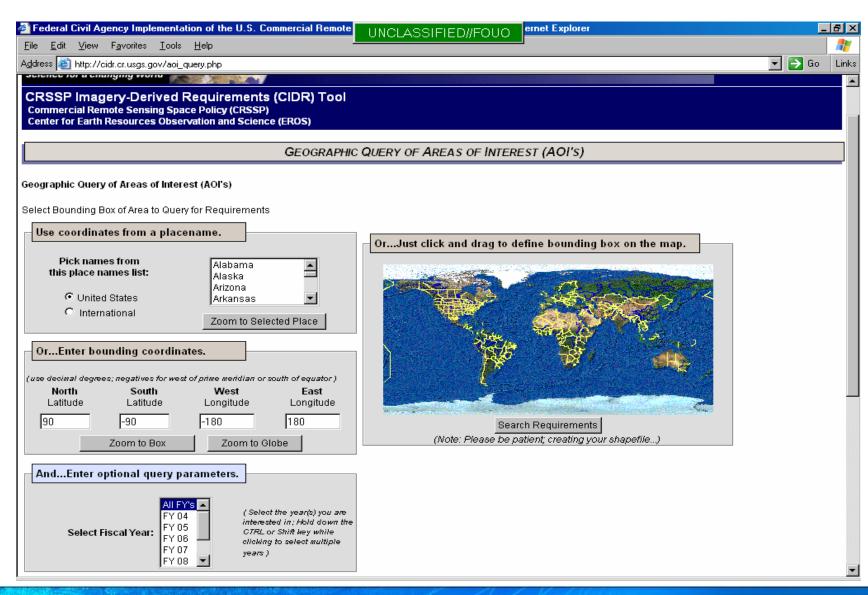
http://www.digitalglobe.com/



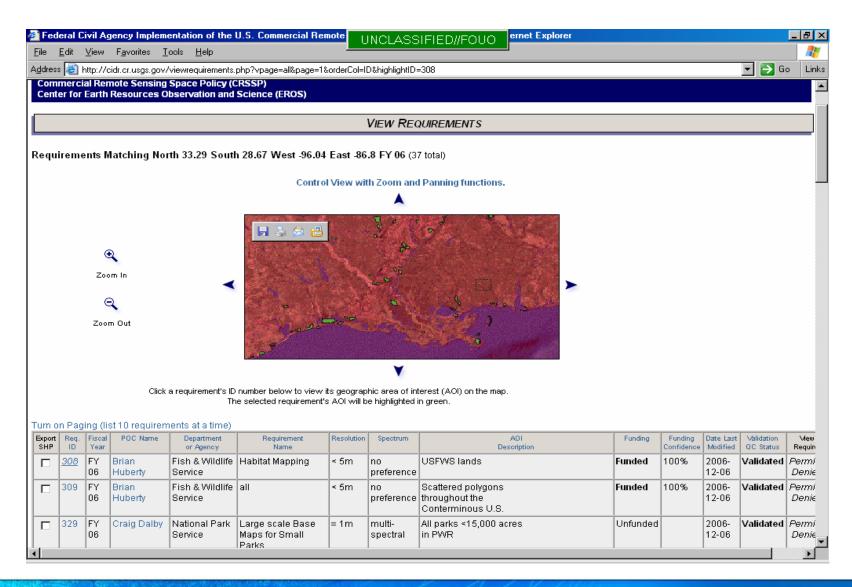
- Search and Retrieval
  - Fed/Civ Customers Request New Imagery
- CIDRCRSSPImageryDerivedRequirements Tool



## CRSSP Imagery Derived Requirements Tool



## Typical CIDR Query results



### Conclusion

- Importance of Commercial Remote Sensing (CRS)
- NGA's has contracts to acquire CRS data
- CRS Now and in the Future
- Keep in mind CRS data has License and Copyright
- How to search and retrieve the CRS data

## Any questions?

