Cyber Threats and Special Source Operations
A Current Perspective for NTOC

March 22, 2013
STORMBREW’s BRECKENRIDGE Site was 100% Subsidized with CNCl Funding
Why SSO?

- SSO is “Big Data”
  - ~60% of content
  - ~75% of metadata
- We’re different
  - Nuances of individual programs
- Tremendous potential
  - Need NTOC to guide SSO
SSO Access Portfolios

Foreign
Relationships with 2nd & 3rd Parties

Corporate
Partnerships with Telecom Providers

Unilateral
Accesses Enabled By US Partners
SSO Access Portfolios

**Foreign**
- RAMPART-A
- WINDSTOP

**Corporate**
- BLARNEY
- FAIRVIEW
- STORMBREW
- PRISM
- OAKSTAR

**Unilateral**
- MYSTIC
- RAMPART-I/X
- RAMPART-M
- RAMPART-T
Partner Constraints

- **Foreign**
  - All Targeting/Signatures exposed to 2P/3P partner for approval
  - Partner approves new capabilities

- **Corporate**
  - FISA, FAA, TRANSIT authorities
    - Requires FISC/DoJ permission for capabilities
  - Partner approvals for capabilities (in some cases)

- **Unilateral**
  - Power/Space/Cooling at site
  - Bandwidth for data forwarding
  - Risk of site compromise
Authorities

- TRANSLIT
- FAA-702
- EO12333
- FISA