Omar Sherin
CIIP, Manager

Qatar’s National Cyber Drills

What is Q-CERT?

- Qatar's National Center for Information Security
- Under MoCIT
- First CERT in MENA established in 2006
- Works with organizations who deliver critical services in Qatar

Critical Sectors

Sectors are deemed critical when their incapacitation or destruction would have a debilitating impact on the national security and social well-being of a nation

CIIP is an International Issue that Transcends borders ...

International Inter-dependencies

03 Nov 2009

The Peninsula
Qatar's Leading English Daily

Qatar to supply 20pc of UK's energy needs

Qatargas will provide Argentina with LNG on a 20 year supply agreement

Qatar agrees to supply LNG to Malaysia for 20 years

Recommend Be the first of your friends to recommend this.

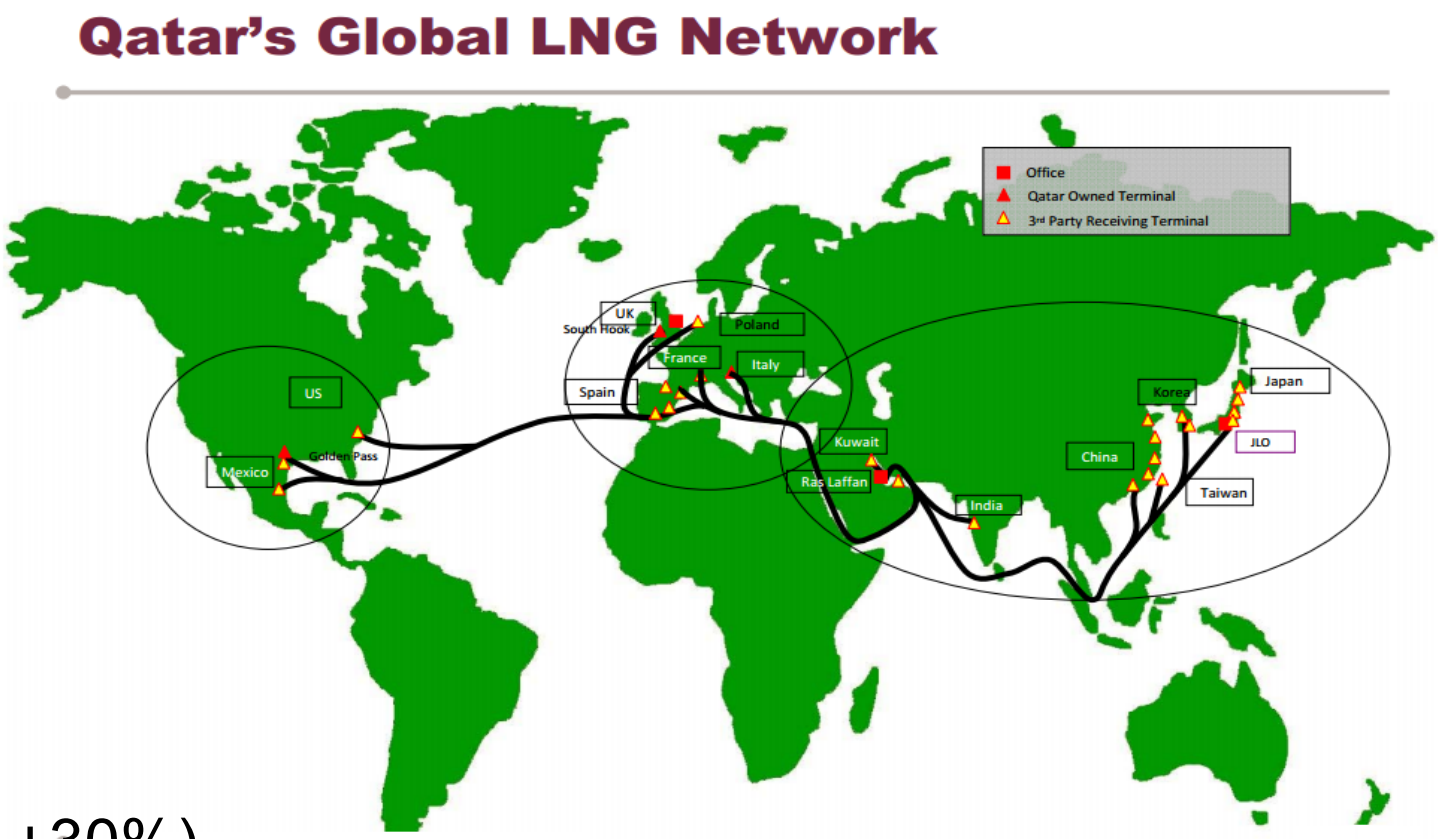
DUBAI, July 24 | Sun Jul 24, 2011 4:44pm BST

REUTERS

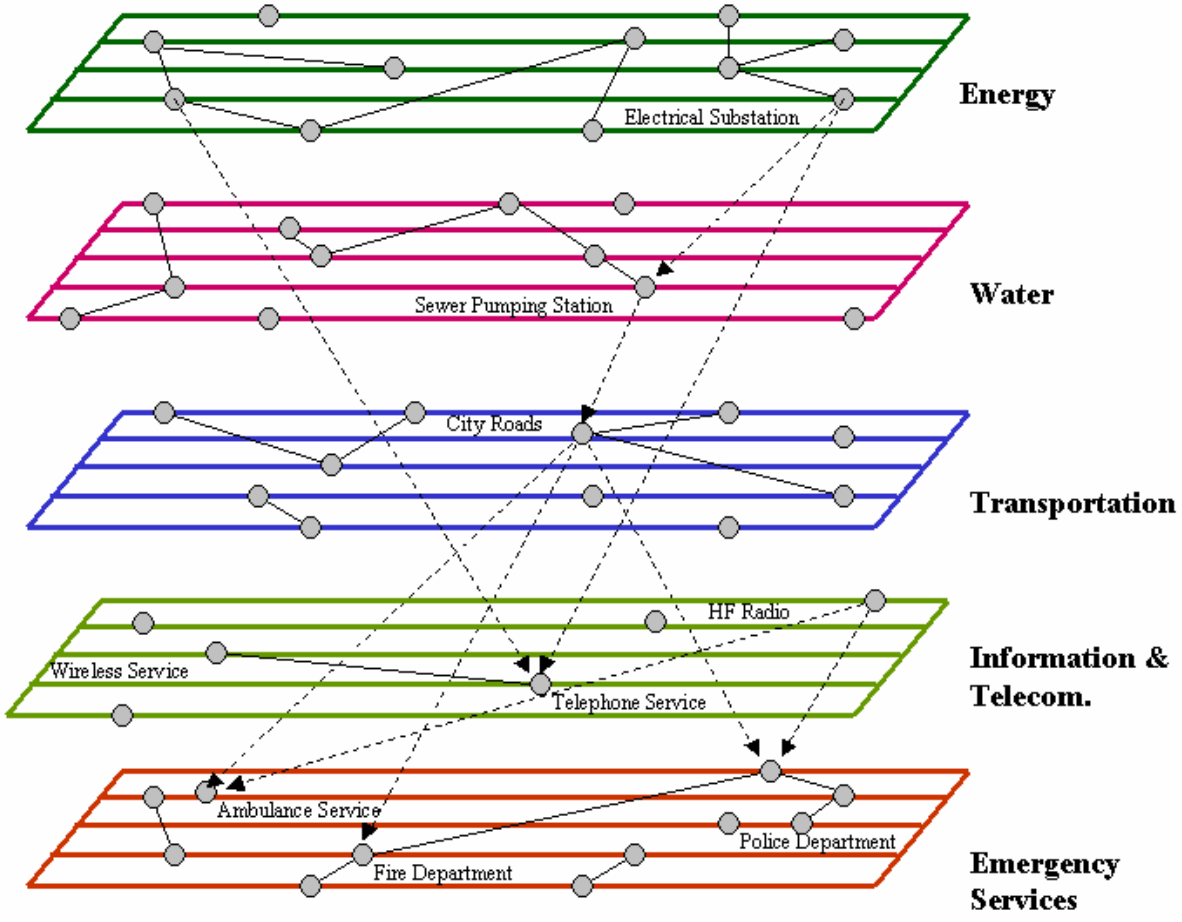
International Inter-dependencies

Attack Scenario !!

- UK
- Italy
- Spain
- France
- Poland
- USA
- Japan (+30%)



Local Inter-dependencies were revisited



We Live in a Hot Region

- Stuxnet
- Duqu
- Flame
- Gauss
- Shamoon
  - V1 (30,000 Computers Wiped)
  - V2 (9 days later , several thousands more)

Mr. Shamoon Lessons

- IT Equipment Supply Chain is an Issue **(Importers vs. Manufacturers)**
- The need for IT Equipment National Reservoir/Stock ?
- Money Cant Buy Time ?
- Targeted Attacks **WILL** Eventually **Succeed**
  - Doesn't matter how secure you are (no 100%)
- As a nation focus on
  - **Preparedness and Quick Recovery**, Recovery, Recovery

IREC's (Our Sector Coordination Concept)

National Cyber Crisis Threshold

- We **assumed** a national crisis **criteria** based on a table that includes things like:
  - # of BCPs activated in our CII in one day/week
  - # of concurrent Incidents per Sector at a given point in time
  - # of Zero days used in attacks, because zero days often indicate:
    - Resourceful attackers
    - Well Planned attacks, APTs
    - State sponsored, because Zero days are expensive
    - ICS zero days ++

CII Surveys

- Big differences in Readiness Levels
- Big differences in Maturity levels
- Resources
- But… We are as strong as our weakest link
  - This is where we should focus, not only on the obvious big boys

Challenges (Different Maturity Levels)

- IH Handbook
- ICS National Standard v2.0
- BC/DR Sector Based Toolkit
- Free Training
- Sector Workshops/Drills

2013 Drills - No One is left Behind

- Voluntary Participation, Companies may select
  - Level based on expectation from exercise / maturity
  - May choose to participate anonymously
- Commitment to cyber security
  - Participation and Qualification in Table-top exercises
  - Available resources to participate

Drill Targets (3 years Plan)

- Preparedness Levels
- Measure/Stress Break Points
- Fine Tune the Assumed National Crisis Threshold
- Spot Weaknesses and Dependencies
- Improve Coordination Channels
- Utilizing the lessons learned from the region

We are only as Strong as our Weakest Link

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THANK YOU