DSSA
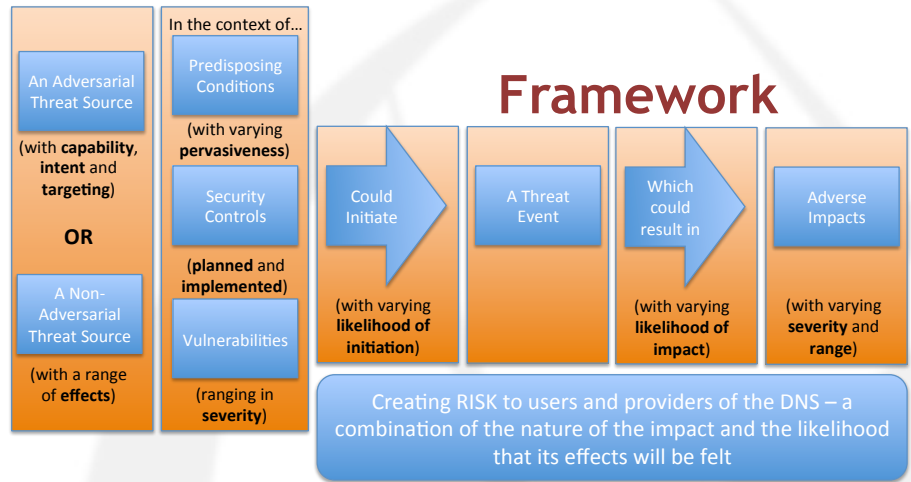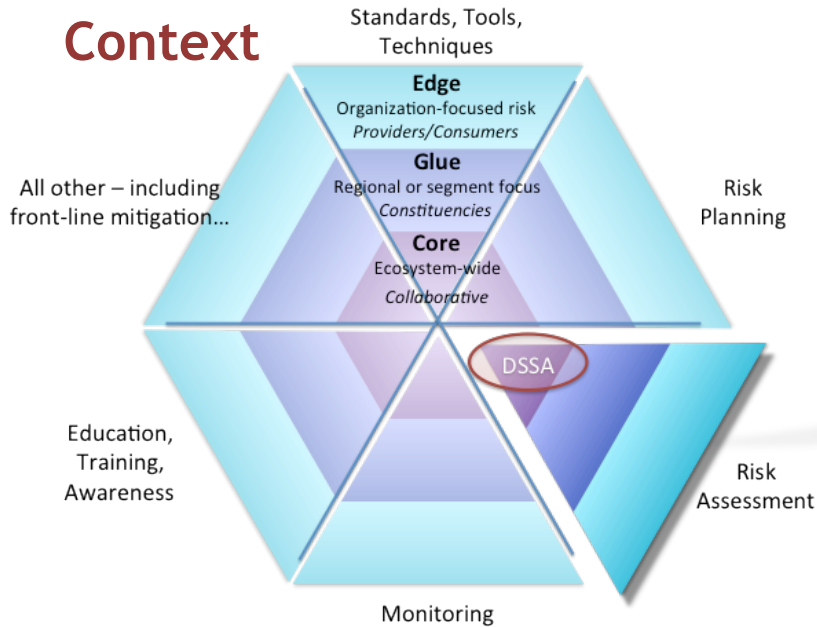
DNS Security and Stability Analysis working group

Thursday, 28 June: 9:00-10:30 am *Tyrolka Room*
Details: http://prague44.icann.org/node/31805

Framework

In the context of…						
An Adversarial Threat Source (with **capability**, **intent** and **targeting**) **OR** A Non-Adversarial Threat Source (with a range of **effects**)	Predisposing Conditions (with varying **pervasiveness**) Security Controls (**planned** and **implemented**) Vulnerabilities (ranging in **severity**)	Could Initiate (with varying **likelihood of initiation**)	A Threat Event	Which could result in (with varying **likelihood of impact**)	Adverse Impacts (with varying **severity** and **range**)

Creating RISK to users and providers of the DNS – a combination of the nature of the impact and the likelihood that its effects will be felt

Context

Standards, Tools, Techniques

Edge
Organization-focused risk
Providers/Consumers

Glue
Regional or segment focus
Constituencies

Core
Ecosystem-wide
Collaborative

All other – including front-line mitigation…

Risk Planning

DSSA

Education, Training, Awareness

Risk Assessment

Monitoring

Scenarios

STRATEGIC
Cross-community collaboration

CORE

Ecosystem-wide

GLUE

LONG-TERM   IMMEDIATE

"Regional" or "segment" focus

EDGE

Provider or organization-focused risk

Need: models, tools, support, direction

Need: coordination, fast response

TACTICAL
DNS providers are at the forefront

Risk Scenario Topic List

Gaps in policy, management, or leadership splits the root

"Reductive" forces (security, risk-mitigation, control through rules, etc.) splits the root

Widespread natural disaster brings down the root or a major TLD

Attacks exploiting technical vulnerabilities of the DNS bring down the root or a major TLD

Inadvertent technical mishap brings down the root or a major TLD