



Completing The Chain of Trust

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.ORG DNSSEC



- » The panel is to represent the key players in the chain of trust.
- » Each person will have 4 minutes to tell you what their role is in the chain of trust.

On The Panel

Standards	Root	Registry	Registry Services Provider	Registrar	Registrar	Registrar	ISP	Registrant
Olaf Kolkman	Rick Lamb	Lauren Price	Jim Galvin	Rajesh Kothari	Jeremy Hitchcock	James Bladel	Jason Livingood	Leslie Daigle
Nlnet Labs	ICANN	PIR	Afilias	Names Beyond	DYN Inc.	GoDaddy	Comcast	ISOC



Standards

Olaf Kolkman

INet Labs



The Root

Rick Lamb

ICANN



Registry

Lauren Price

.ORG, The Public Interest Registry

Registry Role

- » DNSSEC is an important security initiative to PIR
- » In development for over 2 years, and completed beta in the last 6 months
- » We have been working with registrars with OT&E
- » Today, 3 registrars are in production
- » Expect 12+ more registrars to be production ready in the coming months
- » DNSSEC rolls on... Practice Safe DNS



Registry Service Provider

Jim Galvin

Afilias

DNSSEC Best Practices

- » Must support the import and export of the public key
- » Must provide a mechanism to unsign a domain
- » Must functionally separate DNS services from registration services
 - Must support the import of a new NS resource record set without discontinuing existing DNS services
 - Must continue DNS services until explicitly told to stop
 - Must setup new DNS services in advance of transfer
 - Must support export of domain's zone file



Registrar (1)

Rajesh Kothari

NamesBeyond



Registrar (2)

Jeremy Hitchcock

Dyn Inc.



Registrar (3)

James Bladel

GoDaddy



ISP

Jason Livingood

Comcast



Registrant

Leslie Daigle

ISOC