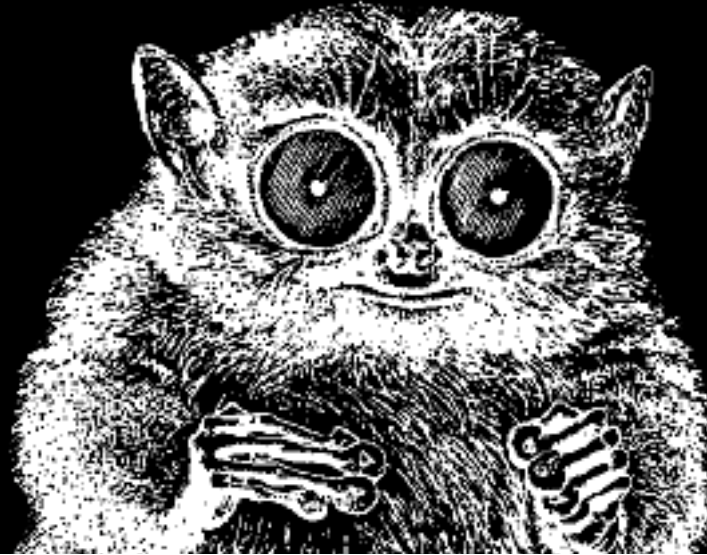


# Starting an Internet Exchange In a Nutshell

**Version 1.0**

**June, 2006**

**Bill Woodcock**



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## Determine Need

Sufficient end-user base?

No existing facility to build upon?

Sufficiency of locally-destined traffic?

# Geographic Location

User population

Fiber facilities or rights-of-way

Founding participants

# Density

Centralized in one room

Campus of adjacent buildings

Distributed across a metro area

# Host Facility Management

Telco hotel

University computing or telecommunications facility

City emergency services facility

# In-Building Facilities

Pathways

Power

Cooling

Access and security



# Services

Switch fabric

Crossconnects

Looking-glass

Remote hands

NTP

Web caching

# Organizational Structure

Incorporated or unincorporated?

Staffed or volunteer?

Non-profit or for-profit?

Cooperative or external ownership?

Free, cost-recovery (predictive or actuals),  
ad-hoc, or market pricing?

# Policies

BLP, MLPA or MMPLA?

Mandatory looking-glass?

Routing and switch-port information public or members-only?

Secrecy or disclosure in the event of security problems, failures, or mistakes?

Extensible switch fabric?

# Thanks, and Questions?

Copies of this presentation can be found  
in Keynote, PDF, and QuickTime formats at:

**<http://www.pch.net/resources/tutorials/ep-construction>**

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