The background of the slide is a photograph of the Toronto skyline. The CN Tower is the most prominent feature, standing tall on the left side. To its left, the Rogers Centre is visible with its distinctive white, dome-like structure. The city's skyscrapers extend across the horizon under a clear blue sky. In the foreground, there is a body of water, likely Lake Ontario, with some green reeds or grasses in the bottom left corner. A small boat is visible on the water.

NANOG 39
Toronto, Canada

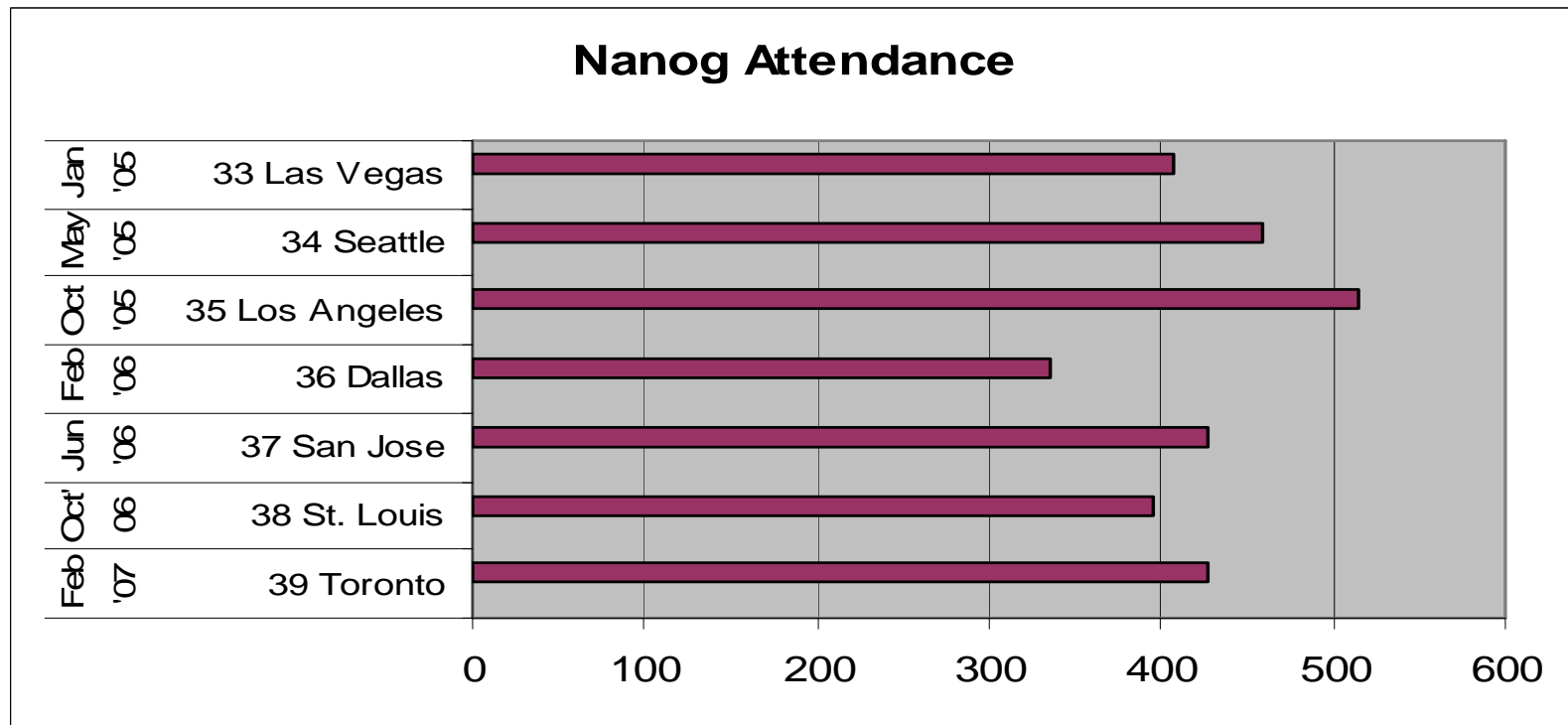
Opening remarks

Jon Nistor – TorIX

Sylvie LaPerrière – Teleglobe/VSNL

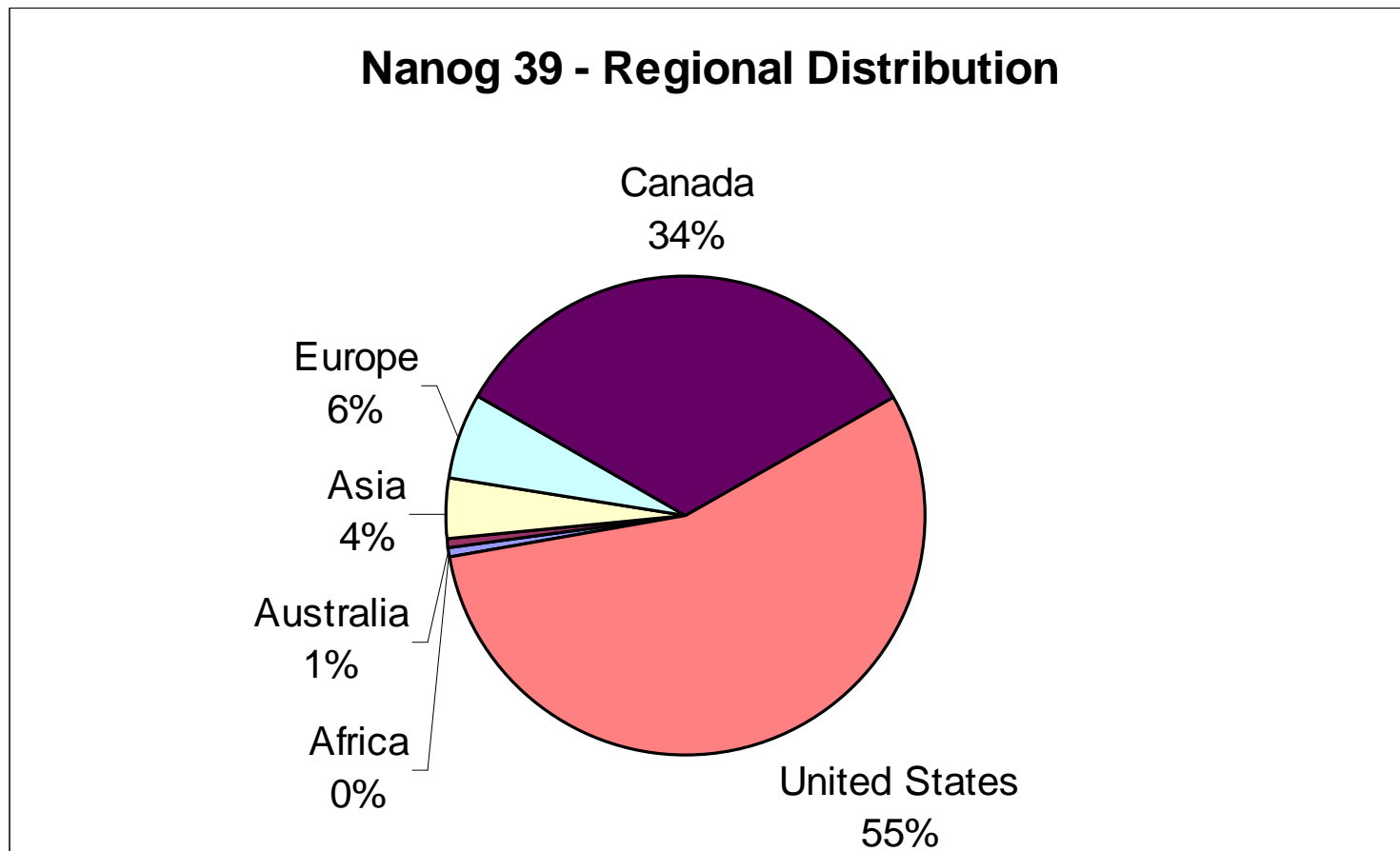
Nanog – Past “north”

- The last Toronto - June 2002 - 509
- The last Montreal - Nov 1999 - 551



Nanog – Current Info

- Meeting has roughly ~170 new, ~430 total, ~18 students



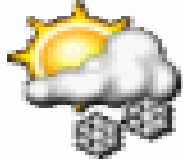



Toronto - Facts



- **Established in 1793 as “Town of York”**
- **Incorporated March 6, 1834 as “City of Toronto”**
- **Elevation 79m (249 ft)**
- **Area codes available: 289, 416, 647, 905**
- **Sporting events in town: Toronto Raptors vs Orlando Magic (Wed, Feb 7, 7:00pm)**
- **Toronto underground Path**

Toronto? In the winter?! (blame Joe)

- Temperature for the week **COLD!**

SUN FEB 4	MON FEB 5	TUE FEB 6	WED FEB 7
			
-14°C -24°C	-20°C -26°C	-21°C -31°C	-18°C -28°C
6.8F to -11.2F	-4F to -14.8F	-5.8F to -23.8F	-0.4F to -18.4F
A few flurries	Sunny	sunny breaks	Sunny
40%	0%	20%	0%
W 5 km/h	N 10 km/h	NW 15 km/h	NW 10 km/h

TORIX

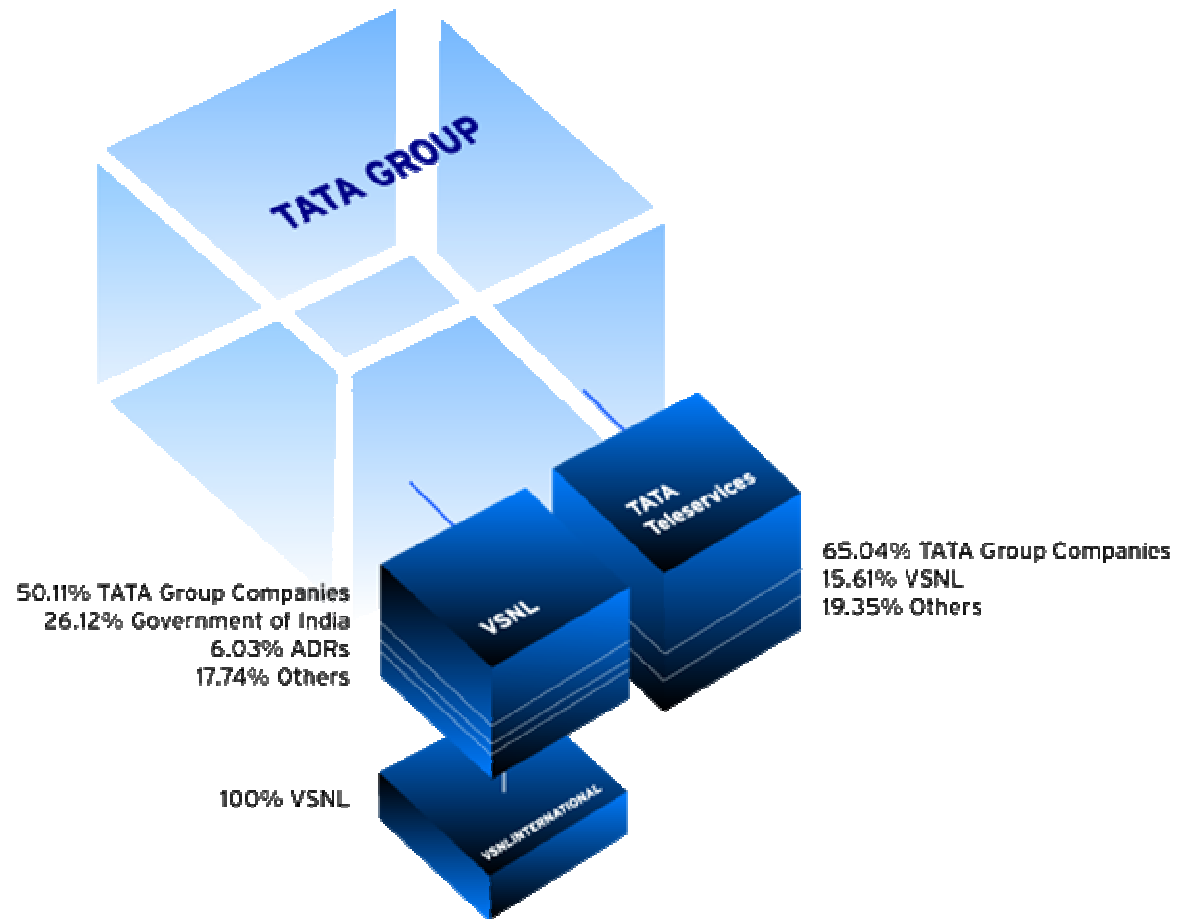
THE TORONTO INTERNET EXCHANGE

- Not for profit organization
- Established roughly July 1997
- Currently over 4Gbps of traffic
- Over 80 peers!
- 3 network jockeys, 5 board members
- Connectivity, 100, 1000, 10G
- www.torix.net

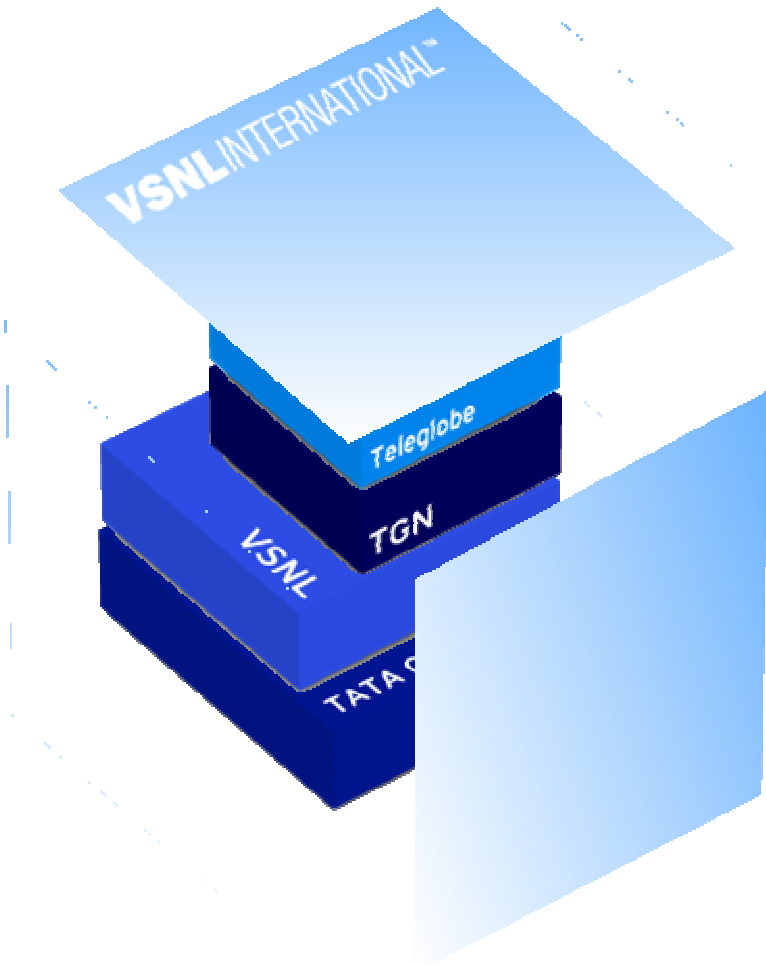
VSNL International | Tata Group

Tata Group

- 125-year old largest private sector group
- \$17.8 billion in revenues
- Acquired VSNL in February 2002
- Tata Consultancy Services (TCS)
 - Asia's largest software & systems integration services company
 - 33 countries across 5 continents
 - Key player in high-growth international markets



VSNL International | Integrating Key Assets



VSNL International

- Best Wholesale Carrier 2006 as per WCA awards
- Global presence with operations in North America, Europe & Asia
- All customer segments, encompassing wholesale and corporate
- Presence in voice, data and mobile services markets

Teleglobe

- #1 Wholesale Voice Provider
- The largest true hybrid VoIP/TDY network
- Leading international wholesale voice, data & mobile provider
- Over 1400 wholesale customers & 17 billion minutes
- 100 Gbps connectivity in nearly 80 cable systems
- Reach to 240 countries/territories
- 415 direct and bilateral relationships
- Major supplier of voice, internet traffic and signaling conversion
- Wholesale services to over 400 mobile operators

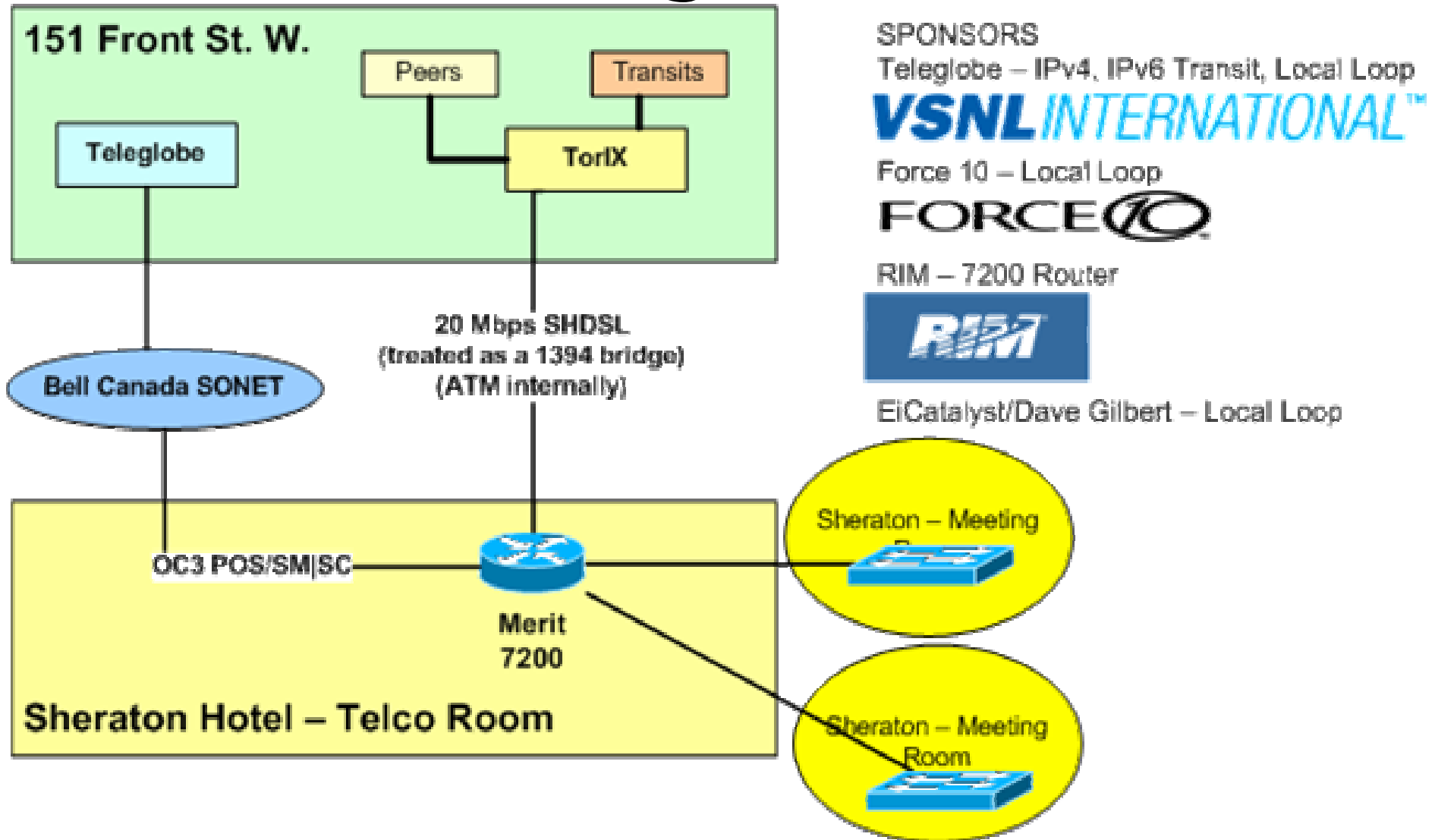
TGN

- 60,000 kilometers of global sub-sea connectivity spanning 3 continents
- Bandwidth at all STM/OC levels
- Reliable, scalable and fully redundant

VSNL

- India's #1 Communications Group
- Leading provider of International Telecommunications and Internet Services
- Largest Enterprise, Wholesale and Retail Broadband services footprint
- 800,000 strong Internet subscriber base

Meeting network



Thank the Teleglobe and TorIX volunteers

TorIX

Joe Abley, Afiliast

David Gilbert, EICatalyst

Stephen Fulton, Network
Connections

Sameer Khosla, Neutral Data Centers

Paul Nash, Nash Networks

Jon Nistor, TorIX

Scott Silzer, TorIX

Teleglobe

Sylvie LaPerriere – The juggler

Marc Brisebois - ops

Guy Coallier - registration

Jim Deleskie – “BGP”

Sebastien Felicciello – LL contract

Annie Pronovost -- registration

Stefan ShinHune – connectivity

John Sweeting – “BGP”

Michel Tremblay – provisioning

And

Programme Committee

Steve Feldman, CNET (meeting consultant,
SC Member, & PC Chair)

Nick Feamster, Georgia Tech

Igor Gashinsky, Yahoo!

Daniel Golding, Tier 1 Research

Kobi Hsu,

Mike Hughes, LINX

Joel Jaeggli, University of Oregon

Keith Mitchell, ISC

Ren Provo, ATT

Bert Rossi, Merit

Ted Seely, Sprint

Josh Snowhorn, Terremark

Richard Steenbergen, nLayer

Pete Templin, Texlink Communications

Todd Underwood, Renesys

Bill Woodcock, Packet Clearing House

Vish Yelsangikar, Netflix

Awesome T-shirt



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This NANOG is Nistor Approved

