

ITU Workshop on IPv6

Geneva, Switzerland, 4 – 5 September 2008

IPv6 deployment in the Gulf Region

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Milestones

- ❑ 2001 First IPv6 Forum Meeting in the Gulf: Dubai
- ❑ 2005 Second IPv6 Forum Meeting: Abu Dhabi
- ❑ 2005 Formation of the UAE task force
- ❑ 2006 First task force meeting
- ❑ 2008 Third IPv6 Meeting: Abu Dhabi

2001 in Dubai

Initiative: The IPv6 Forum , Etisalat
Case Technology

Objective: Awareness for the Gulf region

Audience: Regional Telecom officials & ISP's
IT Professionals (350 attendees)

Speakers : IPv6 forum members & developers

2005 in Abu Dhabi

Initiative: The IPv6 Forum , Etisalat
Case Technology

Objective: Creating agenda & forming the UAE
Task Force

Speakers : IPv6 forum members and companies

Audience: IT professionals from all
sectors, decision makers(320 attendees)

PRESS COVERAGE

UAE migrating to next generation IP system

'COLLECTIVE EFFORT IS NEEDED FOR QUICK CONVERGENCE'

By STANLEY CARVALHO
Staff Reporter

Abu Dhabi The UAE has initiated moves to achieve a regionwide transition from IPv4 (Internet Protocol Version 4) to the next generation IPv6 (version 6).

A collective effort is needed for quick convergence, a top official said.

"Since 2000, Etisalat has been discussing linking of IPv6 with others in the region but its deployment may take some time if there is no collective efforts from the industry in the region," said Nasser Bin Obood, Deputy Chief Executive of Etisalat.

In his address to the second Gulf IPv6 summit here, Obood outlined the pioneering efforts of the UAE and reinforced Etisalat's vision to be the driving force for change in the vital communications sector.

"We set up the UAE IPv6 task force in February 2001 and built the basic infrastructure in 2002. Currently, we are testing with regional partners for a transition from IPv4 to IPv6. We have tested the technology internally and we are in the process of testing it regionally and internationally."

With about 1.7 million internet users as of February

2005 (41 per cent penetration rate), the IPv6 will help build more applications and greater internet penetration. As the new generation Internet Protocol, the IPv6 is hugely beneficial, especially in creating new IP addresses. "With IPv4, you have 4.3 billion addresses but with IPv6 you can have billions and billions of addresses. Each human being, each machine can have its own unique address."

The UAE IPv6 Task Force comprises experts from the government, the private sector as well as from the energy, banking telecoms and education sectors.

FORUM

Region urged to move fast to IPv6

Latif Ladid, President of IPv6 Forum, urged countries in the region to migrate fast to IPv6 and thus take the internet to the next step.

"The internet is firmly positioned to become the nervous system of our society networking together individuals, businesses and electronic devices to create a truly online world. IPv6 enables this vision facilitating ease of use with a mandate for security and privacy," he told delegates.

PRESS COVERAGE

INTERNET Abu Dhabi summit to discuss new protocol

Etisalat teams up with the organisers and Case Technology to make the conference on March 29 and 30 a success

Staff Report

Dubai A ground-breaking new internet protocol will be up for discussion during an upcoming conference in Abu Dhabi on IT issues, organisers said.

IPv6 (Internet Protocol Version 6) is the next generation protocol designed by the IETF (Internet Engineering Task Force). It is intended as a replacement for the current Protocol, IP Version 4 (IPv4).

Most of today's internet

relies on IPv4, which is about 20 years old. As a result, there is a growing shortage of IPv4 addresses, which are needed by all new machines added to the internet.

The IPv6 Summit will run on March 29 and March 30. Etisalat has teamed up with the event's organisers and Case Technology to make the summit a success.

"Etisalat's position as a regional leader in bringing in state-of-the-art technol-

ogy services to the region is reflected by our sponsorship of this summit," said Mohammad Al Fahim, Etisalat's executive vice-president, marketing.

"Etisalat has already committed substantial resources to incorporate this protocol in our network. We look forward to sharing our experience and exchange insights with other participants from the region," he said.

"As devices and applica-

tions dependent on the internet increase in number, people need new IP addresses," said Abdullah Hashim, senior manager, eCompany.

"All this increasing demand means the rise of new market opportunities. I am confident that this summit will help highlight the benefits of deploying IPv6 and give attendees insights into its applications in different areas."

"As a founder of world-wide IPv6 Forum, Case Technology has taken the

lead in creating the awareness and we are in the process of forming the IPv6 Middle East and UAE Taskforce to deploy IPv6 in the region," said Itidal Hasoon, general manager, Case Technology.

Hasoon is also co-chair of the Middle East and Africa Internet Protocol Version 6 Task Force.

"This taskforce will promote and help the region embrace IPv6 and move towards its deployment in a phased manner," he said.

2005: creation of the IPv6 Task force

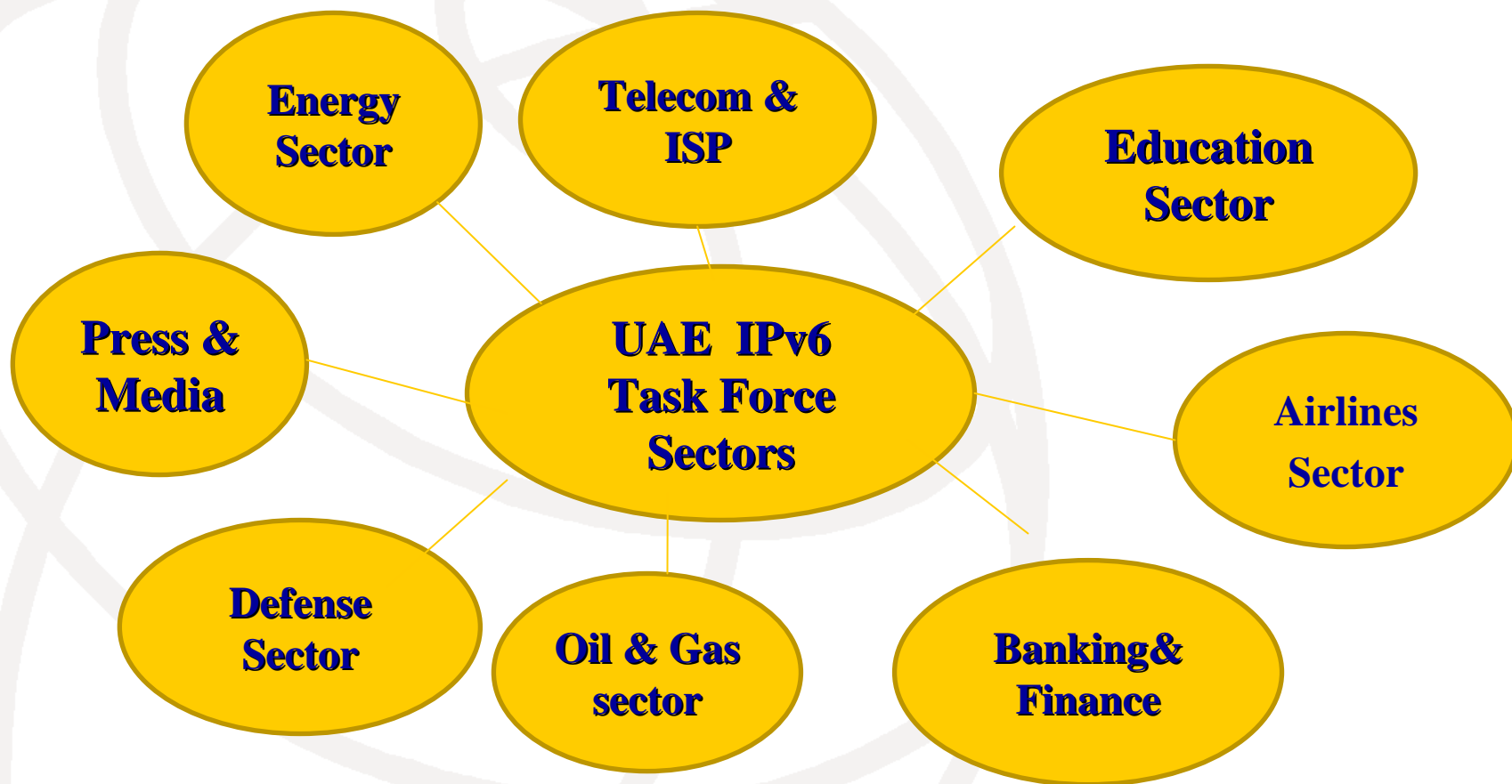
Objectives:

- Identify sectors and discuss IPv6 deployment issues in each sector
- Schedule Training and Seminars
- Infrastructure and network design
- Applications
- Business opportunities



IP
v6

UAE IPv6 Task Force



2008 in Abu Dhabi

Initiative: The IPv6 Forum, Etisalat Case Technology

Objective: Get strong commitment from government for the IPv6 deployment

Speakers : IPv6 forum members and companies

Venue : Abu Dhabi Chamber of commerce

Audience: Regional ISP's, IT Professionals
Government officials (200 attendees)

Total events

- ❖ Seminars and awareness sessions : 26
- ❖ IPv6 Training sessions: 61
- ❖ IPv6 Mobility training sessions: 17

Current status of IPv6 deployment

	UAE	QTR	OMN	BHR	KWT	SAUD
■ IPv6 general Awareness:	yes					
■ IPv6 deployment in the Public sector:	NO					
■ IPv6 deployment in the Private sector:	Yes					
■ IPv6 curriculum in the Education:	Init					
■ ISP's deploying IPv6:	Yes					

IPv6 Deployment

Growth opportunity
Advance in technology

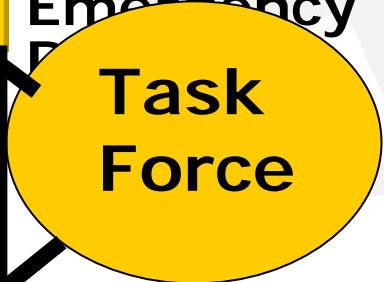
National Interest:
Government

New applications
Public Health

Security
Emergency



INITIATIVE



No additional income

From

No pressure

State
Large

State Authority/
Largest IT consumer

ISPs, IT Vendors

Business opportunities → IPv6: not a priority

&

Advantage & discover new apps

Requires:

New expertise

More investment

Home users
& other
Private Sector

Do not care:

No Killer application

RISK

IPv4 addresses

IPv6 Countries

IPv6/IPv4 Countries

IPv4 Countries

Lessons Learned:

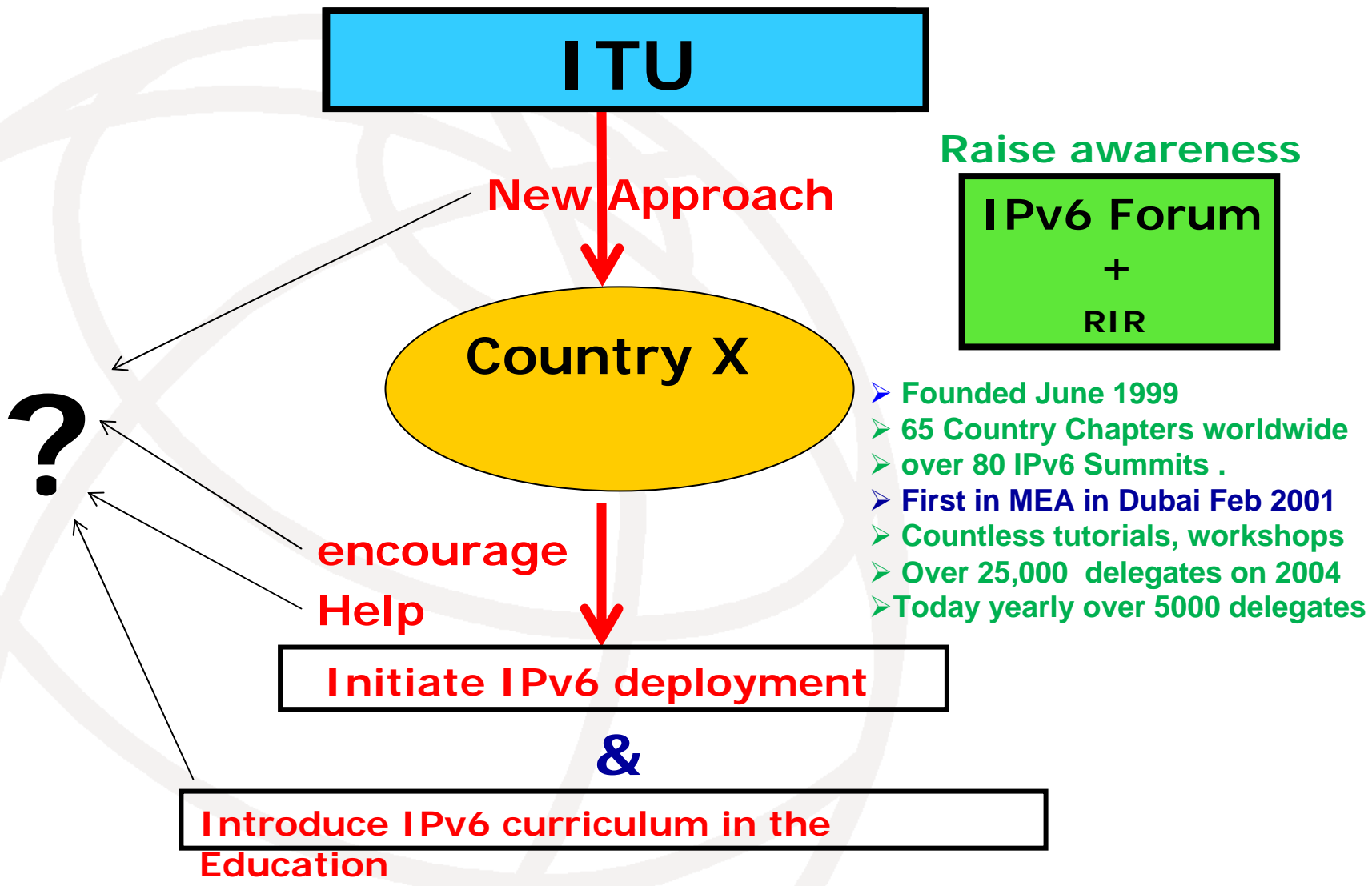
- **Direct involvement of the Government**
- **Project team**
- **Objective**
- **Project Plan**

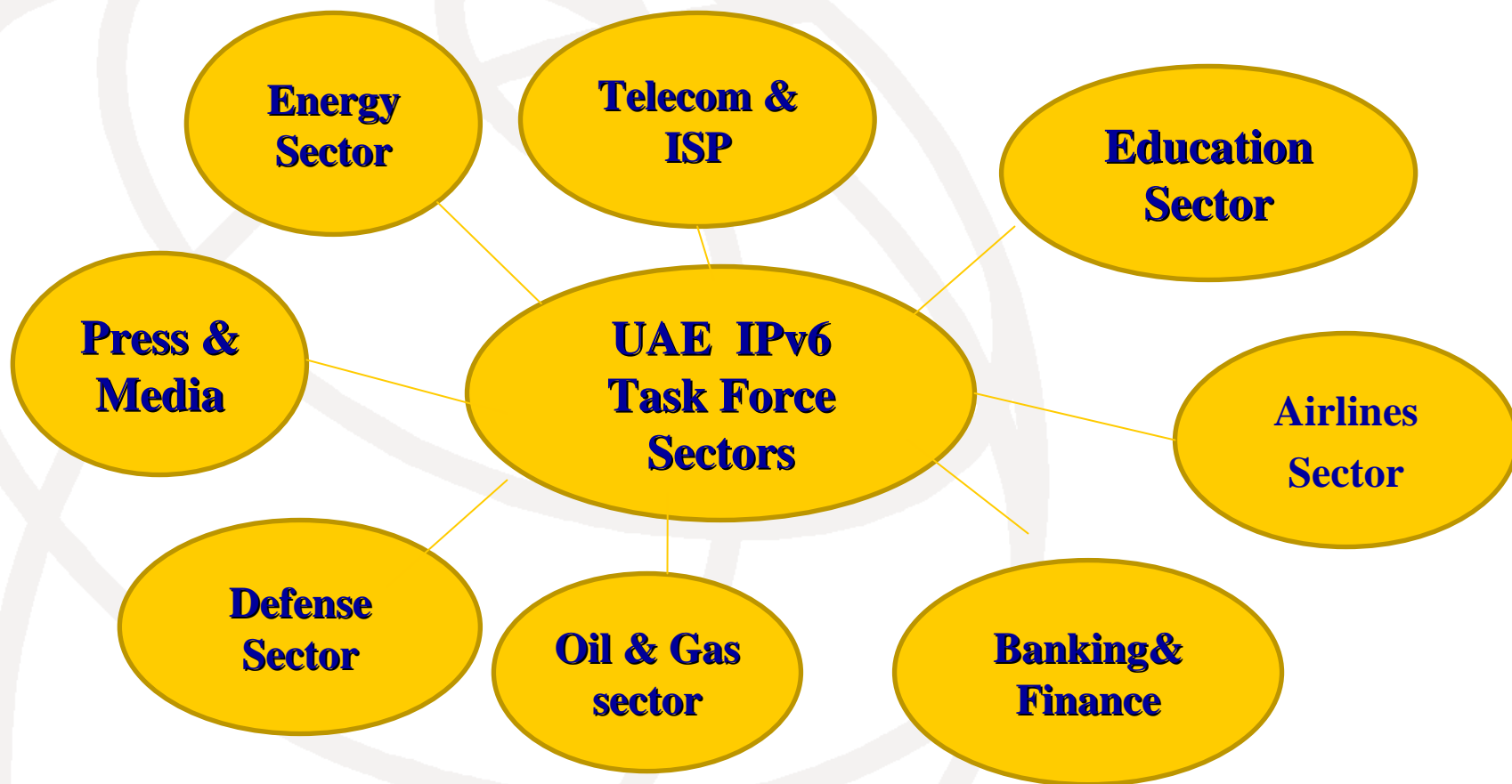
Conclusion

IPv6 deployment can be achieved successfully only if it is a Government Driven project

&

A joint effort by the main key players:







THANK YOU