





A Pre-feasibility Study on APIS for ASEAN Sub-region (July 2014 ~ July 2015)

October 14, 2014

APIS Project Team of NIA

Work Scope

What to do...

- Provide concrete configurations, concept, objective of APIS
- Conduct gap analysis between "as-is" and "to-be"
- Identify APIS network topology

Precondition

Recommend implementing models, funding mechanisms & partnerships

For cohesive, seamless Pan-ASEAN ICT Connectivity & Exchange (PACE)



should be involved in the project at the very outset

Focal Area

2 Main Targets : Seamless Terrestrial Network & Regional IXPs, Broadband Affordability

- Filling the Missing Links identified
- Seamless Connectivity land/sea based
- Open/Public Internet Connectivity
- Local IXP Establishment and Peering

Regional Connectivity Enhancement (Terrestrial Fiber, IXP)

 Broadband Affordability (Target Goals)

 PACE

 • Cost reduction by Local Peering/Transit

- Cost reduction by Massive Investment
- Cost reduction by Creating Demand
- Cost reduction by Increasing Subscribers

2014-10-15

Status Quo in ASEAN Region

Weak inter-connectivity and High Cost and High Price Structure are Main Hurdles to be overcome



Conceptualization of APIS



Main Activities Time Table

Description	Stages	Time Frame
Pre-study and secondary data study	1 st Stage	08, 2014 - 10, 2014
Internet Traffic Measure ment Surveys and face to face Interviews Data Collection and analysis	2 nd Stage	11, 2014 - 12, 2014
 Gap analysis between As-is and To-be Network Design and Implementation model 	3 rd Stage	01, 2015 - 04, 2015

2014-10-15

Next Step : Traffic & Quality Measurement



2014-10-15

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vork Build-up	Missing Links Filling and Existing Network Use	GMS Expansion and Existing Network Use		
		GMS		
0	•	•		
0	0	•		
•	O	O		
0	O	O		
•	O	O		
t using AH, nong countries. 'ay guaranteed in	 Need accurate existing network cable status: route, capacity, and traffic etc. 	 Need accurate GMS network and existing network status: route, capacity, and traffic etc. 		
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phway (Myanmar, Laos, Thailand, Cambodia, Vietnam, China)