



Stratosphere Project

ASEAN Telecom Policy for Stratosphere Technology

Proponent: INDONESIA

Summary

- Project Title:
 - ASEAN Telecom Policy for Stratosphere Technology
- AIM2020 strategic thrust/initiative:
 - Initiative 6.1.3. Harmonize Telecommunication Regulations - Develop Guidelines for ASEAN Spectrum Regulatory Cooperation
- Purpose:
 - The project aims to provide options for regional policy to regulate the operation of the new, stratosphere based, radio communication operation.

Background

- Universal Service program for Broadband in ASEAN is still challenged by the cost of provision in geographically remote and challenged areas.
- New telecommunication technology with a mesh-networked based stations operated at the stratosphere has been emerged and piloted in many part of the world, including some actions, initiatives and part of discourses in ASEAN member states (e.g. Cambodia, Indonesia).
- The technology provides a solution for providing Internet Broadband access to the two third world population located in remote, geographically challenged and underserved area.

Background

- In the near future, this technology however will create new competition to the existing operators and influence the landscape of telecommunication industries.
- Moreover, as it is located at above 20,000 km from the ground and cover 5000 Km² of each station, its operation will create a new cross countries border spectrum regulatory issues.
- ASEAN need to anticipate this emerging technology with a policy framework and regulatory guideline for spectrum coordination.
- Without the anticipating action to set policy and regulatory framework, there would be a lag of technological solution to be scaled up in ASEAN.

Objectives and Work Plan

- Objectives:
 - To develop Guidelines for ASEAN Spectrum Regulatory Cooperation on Stratosphere Telecommunication Technology
- Indicative Work Plan:
 - Investigate technical feature of stratosphere-based station telecommunication technology
 - Observe operational system of the technology
 - Implication of the technology to regional spectrum coordination
 - Provide options for regulatory framework
 - Recommend policy guideline and the framework to regulate stratosphere telecommunication technology

Implementation Method

- Investigate technical feature:
 - literature study
- Observe operational system:
 - literature survey and expert analysis
- Implication of the technology:
 - policy document analysis, benchmark and expert analysis
- Regulatory framework options:
 - expert and industry consultation
- Recommend policy guideline and regulatory framework:
 - expert assignment, AMSs consultation

Funding and Success Indicators

- Funding:
 - ASEAN ICT Fund: USD 36,000
 - Self Funded: USD 17,555
- Success Indicators:
 - A document of Guidelines for ASEAN Spectrum Regulatory Cooperation on Stratosphere Telecommunication Technology

Budget Details

No	ITEMS	QTY		Cost	Funding	
				(USD)	AICT	Self
A	DIRECT LABOR			37,080	36,000	1,080.0
1	Spectrum Management Specialist	1.75	man-month	14,000	14,000	
2	USO/Rural Infrastructure Specialist	1.50	man-month	12,000	12,000	
3	ICT Economy and Business Specialist	1.25	man-month	10,000	10,000	
4	Administration Staff	18	man-days	1,080		1,080
B	Travel Expenses			8,500		8,500
1	Presentation and Discussion	10	person-trips	4,000		4,000
2	Consultative Session	1	LS	4,500		4,500
C	Survey/Data Collection			6,000		6,000
1	Honorarium for Resource Persons		man-days	1,500		1,500
2	Data Processing		man-days	4,500		4,500
D	Miscellaneous Expenses			1,975	-	1,975
1	Equipment		LS	1,200		1,200
2	Supplies and Services		LS	775		775
	Total			47,555	36,000	17,555
	GRAND TOTAL			47,555	36,000	17,555

THE FLIGHT PATH OF I-167



500,000 Kilometers in Flight

5 Photos - [View album](#)