

ICT Virtual Organization of ASEAN Institutes and NICT

ASEAN IVO Forum 2016

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Submission and Registration Form

I. Title:

ICT for Marginalized Area

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III. Organization:

National Electronics and Computer Technology Center

IV. Topic Selection:

Smart Society (2) – Smart Village (C)

Abstract:

Marginalized area communities are the communities reside in the remote area along the border of Thailand. These areas are always lacking of the good standard of living as well as the basic infrastructure such as electricity, telecommunication and public health services. Due to the difficult access to these areas, especially during the raining season, the area is often isolated from the outside world. Any required assistance always has the full of difficulty. People in the marginalized area commonly are hill tribes, ethnic minority or the stateless group of people. These disadvantaged groups need the attention not only for the humanitarian but also for the national security along the border.

There has been an effort from several governments trying to mitigate the problem in the marginalized area. The Project for Youth and Children in the

Remote Area under the Royal patronage of HRH Princess Maha Chakri Sirindhorn is focus on the marginalized schools. The schools become the center of the communities for providing the basic education and any development to improve the quality of life in the area. Due to lacking of the basic infrastructure, it is very challenging to adopt the appropriate technology for the marginalized area. For example, the solar cell system for the alternative energy, the Internet and mobile service, the telemedicine for the public health service.

National Electronics and Computer Technology Center (NECTEC) cooperating with Border Patrol Police schools, mobile operator and several stakeholders to initiate the ICT for Marginalized Area. The objective of the project is to introduce the ICT and solar technology in 20 pilot marginalized schools. The key technologies such as the combination of the alternative energy with the monitoring system, the point-to-point broadband wireless with 3G femtocell and also the eLearning system are implemented and tested. The sustainability model is also heavily discussed in the project. The model development from the project is expected to expand to other marginalized schools in Thailand and other ASEAN countries.

V. Speaker Information

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- (√) Accommodation