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# Proposal of Partnership for Implementation of ITU Asia-Pacific Regional Initiative (2015-2017)

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# Asia-Pacific Regional Initiatives

## 2015-2017

**Initiative #1**

**Special Consideration For LDCs\*, SIDSs\*\*, Including Pacific Island Countries, And Landlocked Developing Countries**

**Initiative #2**

**Emergency Telecommunications**

**Initiative #3**

**Harnessing The Benefits Of New Technologies**

**Initiative #4**

**Development Of Broadband Access And Adoption Of Broadband**

**Initiative #5**

**Policy And Regulation**



## Regional initiative 1

Special consideration for least developed countries, small island developing States, including Pacific island countries, and landlocked developing countries

SPECIAL CONSIDERATION FOR LEAST DEVELOPED COUNTRIES, SMALL ISLAND DEVELOPING STATES, INCLUDING PACIFIC ISLAND COUNTRIES, AND LANDLOCKED DEVELOPING COUNTRIES



3

## Objective

To provide special assistance to least developed countries (LDCs), small island developing States (SIDS), including Pacific island countries, and landlocked developing countries (LLDCs) in order to meet their priority ICT requirements.

## EXPECTED RESULTS

1

Improved infrastructure and enhanced access to affordable ICT services.

2

Improved enabling environment to facilitate ICT development.

3

Appropriate national, sub-regional and regional frameworks for cybersecurity.

4

Enhanced skills of relevant human resources.

5

Addressing specific issues and challenges in the Pacific island countries.



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SPECIAL CONSIDERATION FOR LEAST DEVELOPED COUNTRIES, SMALL ISLAND DEVELOPING STATES, INCLUDING PACIFIC ISLAND COUNTRIES, AND LANDLOCKED DEVELOPING COUNTRIES

# PROJECT PROPOSAL

# 1

Development of SATELLITE COMMUNICATION capacity and EMERGENCY COMMUNICATION solutions for Pacific islands countries



## OBJECTIVE

To improve broadband infrastructure and access to affordable ICT services in urban and rural areas, including remote and hilly terrains as well as remote islands.



### Estimated budget

CHF 600 000.



### Potential partners

ITSO, INTELSAT, INMARSAT, Kacific.



### Country or countries involved

11 Pacific island countries.

## 2015 Activities

- Feasibility study, selection of countries, training.

## 2016 Activities

- Installation and commissioning of 20 e-community centres.

## 2017 Activities

- Installation and commissioning of 20 e-community centres, evaluation and monitoring.

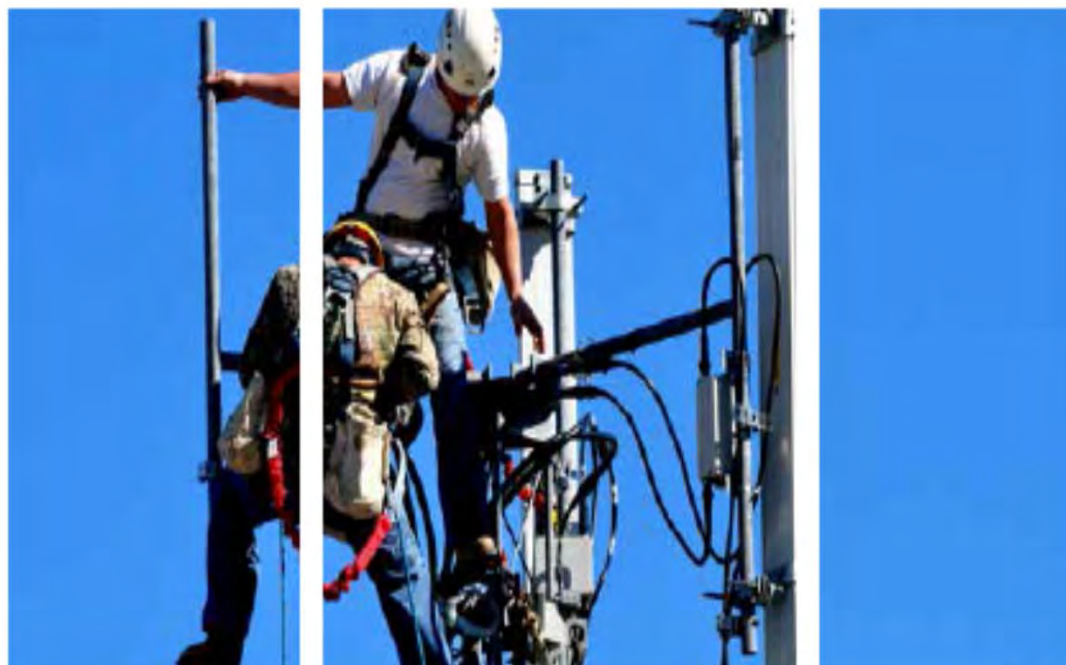
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SPECIAL CONSIDERATION FOR LEAST DEVELOPED COUNTRIES, SMALL ISLAND DEVELOPING STATES, INCLUDING PACIFIC ISLAND COUNTRIES, AND LANDLOCKED DEVELOPING COUNTRIES

# PROJECT PROPOSAL

## 2

Enhance POLICY AND REGULATORY FRAMEWORKS and develop adequate skills to meet priority ICT requirements



### OBJECTIVE

To build capacity and skills to meet the unique needs of SIDSs, LDCs and LLDCs.



### Estimated budget

CHF 1,500 k.



### Potential partners

Funding agencies implementation partners.



### Country or countries involved

Pacific islands countries, LDCs and LLDCs.

## 2015 Activities

- Direct country assistance, forums, face-to-face and online training.

## 2016 Activities

- Direct country assistance, forums, face-to-face and online training.

## 2017 Activities

- Direct country assistance, forums, face-to-face and online training.



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SPECIAL CONSIDERATION FOR LEAST DEVELOPED COUNTRIES, SMALL ISLAND DEVELOPING STATES, INCLUDING PACIFIC ISLAND COUNTRIES, AND LANDLOCKED DEVELOPING COUNTRIES

# PROJECT PROPOSAL

# 3

Improved  
CYBERSECURITY  
frameworks



## OBJECTIVE

To provide direct country assistance, build awareness and capacity in areas of cybersecurity, child online protection (COP) and facilitate operationalization of computer emergency response teams (CERTs).



### Estimated budget

CHF 600 000.



### Potential partners

Funding agencies, national governments, regional organizations.



### Country or countries involved

Pacific islands countries, LDCs and LLDCs.

## 2015 Activities

- Regional coordination, direct country assistance, capacity building.

## 2016 Activities

- Regional coordination, direct country assistance, capacity building.

## 2017 Activities

- Regional coordination, direct country assistance, capacity building.





Regional initiative 2  
Emergency  
telecommunications

## EMERGENCY TELECOMMUNICATIONS



### Objective

To provide assistance to Member States at all phases of disaster management, i.e. disaster preparedness including early warning, disaster response/relief and rehabilitation of telecommunication networks.

### EXPECTED RESULTS

1  
2  
3  
4  
5  
6  
7

1 Identification of suitable technologies to be used for emergency communications.

2 Creation of common databases to share information on emergency communications.

3 Design of national and sub-regional emergency communication plans, taking into account the impact of climate change.

4 Development of appropriate policy, regulatory and legislative frameworks on emergency communications at national and regional level.

5 Availability of a dedicated set of equipment for emergency radio communication in the Asia-Pacific region.

6 Capacity building in relation to emergency telecommunications and disaster preparedness.

7 Mechanism for sharing information and best practices on utilizing ICTs for disaster preparedness, disaster response/relief and reconstruction among countries in the region and others.



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EMERGENCY  
TELECOMMUNICATIONS

# PROJECT PROPOSAL

# 1

MDRU Philippines



## OBJECTIVE

To replicate the project in other municipalities in the Philippines, with a view to deploying in other Member States as well.



### Estimated budget

CHF 218 000.



### Potential partners

DOST (Philippines), MIC (Japan).



### Country or countries involved

Philippines.

## 2015 Activities

Feasibility study and implementation.



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EMERGENCY  
TELECOMMUNICATIONS

# PROJECT PROPOSAL

# 2

Development of SATELLITE  
COMMUNICATION  
capacity and emergency  
communication solutions for  
PACIFIC ISLANDS countries



## OBJECTIVE

Improve broadband infrastructure and access to affordable ICT services in urban and rural areas, including remote and hilly terrains as well as remote islands.



### Estimated budget

CHF 600 000.



### Potential partners

ITSO, INTELSAT, INMARSAT, Kacific.



### Country or countries involved

11 Pacific island countries.

## 2015 Activities

Feasibility study, selection of countries, training.

## 2016 Activities

Installation and commissioning of 20 e-community centres.

## 2017 Activities

Installation and commissioning of 20 e-community centres, evaluation and monitoring.



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EMERGENCY  
TELECOMMUNICATIONS

# PROJECT PROPOSAL

## 3

Enhance policy,  
regulatory and preparedness  
frameworks and develop  
adequate SKILLS TO  
MEET EMERGENCY  
TELECOMMUNICATION  
requirements



### OBJECTIVE

To facilitate development of NETP and build capacity.



### Estimated budget

CHF 500 000.



### Potential partners

Funding agencies, implementation partners,  
national administrations.



### Country or countries involved

Interested Asia-Pacific countries.

## 2015 Activities

Direct country assistance, workshops, training events.

## 2016 Activities

Direct country assistances, workshops, training events.

## 2017 Activities

Direct country assistance, workshops, training events.

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EMERGENCY  
TELECOMMUNICATIONS

# PROJECT PROPOSAL

# 4

Facilitating EMERGENCY  
TELECOMMUNICATION  
SUPPORT



## OBJECTIVE

To make emergency telecommunication available to countries for rescue and relief operations.



### Estimated budget

CHF 1,500 k.



### Potential partners

Funding agencies, development partners,  
national governments.



### Country or countries involved

Interested Asia-Pacific countries.

## 2015 Activities

Direct country assistances.

## 2016 Activities

Direct country assistances.

## 2017 Activities

Direct country assistances.





**Regional initiative 3**  
**Harnessing the benefits of  
new technologies**



## Objective

To assist ITU Member States in utilizing new technologies and address **HUMAN AND TECHNICAL CAPACITY CHALLENGES** related to issues such as those identified in the expected results, among others

## EXPECTED RESULTS

### 1

Assistance in the development of frameworks for new and emerging technical issues as well as for utilizing new technologies in, but not limited to, the following areas:

- |  |  |  |  |  |   |
|--|--|--|--|--|---|
| <u>A</u><br>Digitization of broadcasting | <u>B</u><br>Next-generation network            | <u>C</u><br>Transition to IPv6   | <u>D</u><br>Digital literacy and inclusion for all (e.g. people with disabilities, etc.) | <u>E</u><br>ICT applications                             | <u>F</u><br>Multilingual local content  |
| <u>G</u><br>Accredited laboratory        | <u>H</u><br>Spectrum management and monitoring | <u>I</u><br>Cybersecurity, including issues such as combating spam and protection of children and other vulnerable groups, and the protection of personally identifiable information | <u>J</u><br>Number misuse  | <u>K</u><br>Issues related to climate change and e-waste | <u>L</u><br>Over-the-top (OTT) services |
| <u>M</u><br>Cloud computing              | <u>N</u><br>Quality of service                 | <u>O</u><br>International mobile roaming   | <u>P</u><br>Cable landing stations   |  |   |

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## HARNESSING THE BENEFITS OF NEW TECHNOLOGIES

2

Raised awareness and enhanced skills in relation to new technologies and technical issues as identified and others as requested.

3

Expert and technical assistance to members on resolving technical issues as identified and others as requested.

4

Identification of new and emerging technical issues which could be the focus of further expertise, assistance and capacity-building exercises.



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HARNESSING THE BENEFITS OF  
NEW TECHNOLOGIES

# PROJECT PROPOSAL

# 1

Development of  
FRAMEWORKS for  
NEW AND EMERGING  
TECHNICAL ISSUES as  
well as for utilizing new  
technologies



## OBJECTIVE

To provide expert and technical assistance to members on resolving technical issues as identified and identification of new and emerging technical issues which could be the focus of further expertise, assistance and capacity-building exercises.





### Estimated budget

CHF 500 000.



### Potential partners

Funding agencies, development partners and international organizations, national administrations, the private sector.



### Country or countries involved

Interested countries in Asia-Pacific region.

## 2015 Activities

Forums, workshops / training, studies and country assistance to interested countries.

## 2016 Activities

Forums, workshops/ training and country assistance to interested countries.

## 2017 Activities

Forums, workshops/ training and country assistance to interested countries.

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HARNESSING THE BENEFITS OF  
NEW TECHNOLOGIES

# PROJECT PROPOSAL

## 2

Enhance adoption of  
ICT APPLICATION  
in countries (e- health,  
e-agriculture, e-education,  
smart societies,  
e-governance)



### OBJECTIVE

To promote deployment, increase adoption and enhance awareness of services based on ICT applications that address local needs.



### Estimated budget

CHF 500 000.



### Potential partners

Funding agencies, development partners and international organizations, national administrations, and the private sector.



### Country or countries involved

Interested countries in Asia-Pacific region

## 2015 Activities

Forums, workshops / training, studies and country assistance to interested countries (e.g. Sri Lanka, Bhutan (e-agriculture)).

## 2016 Activities

Forums, workshops/ training and country assistance to interested countries.

## 2017 Activities

Forums, workshops/ training and country assistance to interested countries.

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HARNESSING THE BENEFITS OF  
NEW TECHNOLOGIES

# PROJECT PROPOSAL

# 3

Develop adequate  
skills to meet  
PRIORITY  
ICT REQUIREMENTS



## OBJECTIVE

To build capacity and skills to meet the new technologies and technical issues.





### Estimated budget

CHF 400 000.



### Potential partners

Funding agencies, implementation partners, development agencies, Centres of Excellence.



### Country or countries involved

Asia-Pacific.

## 2015 Activities

Face-to-face and online training.

## 2016 Activities

Face-to-face and online training.

## 2017 Activities

Face-to-face and online training.



Regional initiative 4  
**Development of  
broadband access and  
adoption of broadband**



DEVELOPMENT OF  
BROADBAND ACCESS AND  
ADOPTION OF BROADBAND



## Objective

To assist Member States in the development of broadband access in urban and rural areas and to support system construction to resolve social issues leveraging the benefits of telecommunication/ICT applications.

## EXPECTED RESULTS

- 1 National broadband policies to meet the requirements of developing countries.
- 2 Improved broadband infrastructure and access to affordable ICT services in urban and rural areas, including remote and hilly terrains as well as remote islands.
- 3 Development of telecommunication/ICT applications that can support multilingualism and address local needs.
- 4 Enhanced skills in the area of broadband communication networks for the relevant human resources.
- 5 Implementation of solutions providing cost-effective broadband infrastructure addressing the deployment and operational challenges in rural and remote areas, including remote islands.
- 6 International cooperation on multistakeholder empowerment of ICT volunteers.
- 7 Capacity building and deployment of cost-effective e health services in rural and remote areas, thereby reducing operational and administrative costs.
- 8 Accelerating the evolution and deployment of next-generation network infrastructure, including mobile/wireless communication networks, land/submarine optical fibre cable networks and Internet networks, for both national and regional connectivity.
- 9 Studies and assistance on effective utilization and optimization of optical fibre cable networks, especially submarine cable networks.
- 10 Studies on traffic categorization and offering of necessary content bundles to reach more lower income groups.

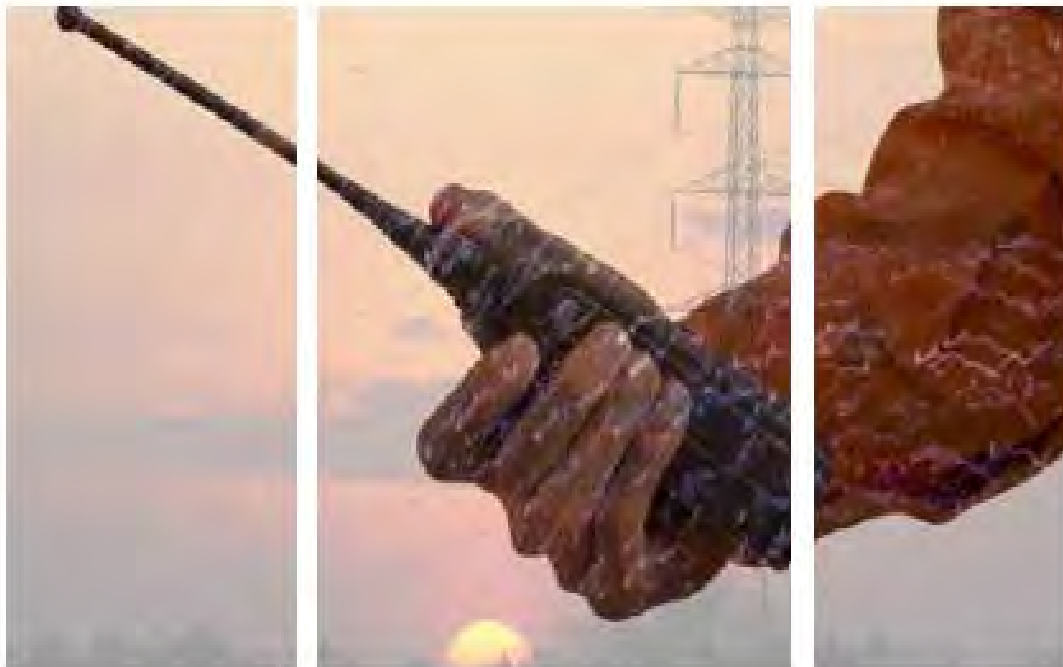
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DEVELOPMENT OF  
BROADBAND ACCESS  
AND ADOPTION OF BROADBAND

# PROJECT PROPOSAL

# 1

Development of satellite  
COMMUNICATION CAPACITY  
and EMERGENCY  
COMMUNICATION  
solutions for  
Pacific islands countries



## OBJECTIVE

Improve broadband infrastructure and access to affordable ICT services in urban and rural areas, including remote and hilly terrains as well as remote islands.





### Estimated budget

CHF 600 000.



### Potential partners

ITSO, INTELSAT, INMARSAT, Kacific.



### Country or countries involved

11 Pacific Island countries.

## 2015 Activities

- Feasibility study, selection of countries, training.

## 2016 Activities

- Installation and commissioning of 20 e-community centres.

## 2017 Activities

- Installation and commissioning of 20 e-community centres, evaluation and monitoring.

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DEVELOPMENT OF  
BROADBAND ACCESS  
AND ADOPTION OF BROADBAND

## PROJECT PROPOSAL

# 2

Enhance adoption of  
ICT APPLICATION  
in countries (e-health,  
e-agriculture, e-education,  
smart societies,  
e-governance)



### OBJECTIVE

To promote deployment, increase adoption and enhance awareness of services based on ICT applications that address local needs.



### Estimated budget

CHF 500 000



### Potential partners

Funding agencies, development partners and international organizations, national administration, the private sector.



### Country or countries involved

Interested countries in Asia-Pacific region.

## 2015 Activities

Forums, workshops / training, studies and country assistance to interested countries (e.g. Sri Lanka, Bhutan (e-agriculture)).

## 2016 Activities

Forums, workshops / training and country assistance to interested countries.

## 2017 Activities

Forums, workshops / training and country assistance to interested countries.

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DEVELOPMENT OF  
BROADBAND ACCESS  
AND ADOPTION OF BROADBAND

## PROJECT PROPOSAL

# 3

Development of  
NATIONAL BROADBAND  
PLANS/POLICIES



### OBJECTIVE

To assist the governments of the developing countries and least developed countries in the Asia-Pacific region in developing national broadband policies/ plans and ICT applications; and in building skill sets for improved adoption of broadband in these countries.





### Estimated budget

CHF 100 000.



### Potential partners

National administration.



### Country or countries involved

Interested countries in Asia-Pacific region.

## 2015 Activities

Development and/or review of national broadband plans through direct country assistance, national training, ICT application development.

## 2016 Activities

Development and/or review of national broadband plans through direct country assistance, national training, ICT application development.

## 2017 Activities

Development and/or review of national broadband plans through direct country assistance, national training, ICT application development.

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DEVELOPMENT OF  
BROADBAND ACCESS  
AND ADOPTION OF BROADBAND

# PROJECT PROPOSAL

# 4

Develop ADEQUATE  
SKILLS to meet  
priority ICT requirements



## OBJECTIVE

To build capacity and skills to facilitate broadband adoption and deployment.



### Estimated budget

CHF 500 000



### Potential partners

Funding agencies, implementation partners,  
Development agencies, Centres of Excellence.



### Country or countries involved

Asia-Pacific.

## 2015 Activities

- Face-to-face and online training.

## 2016 Activities

- Face-to-face and online training.

## 2017 Activities

- Face-to-face and online training.





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A photograph of a man sitting on a red-painted concrete step in front of a large, weathered blue door. He is wearing a white long-sleeved shirt and purple patterned trousers. He is holding a mobile phone to his ear with his right hand and a small object in his left hand. To the right of the door, a blue umbrella is hanging on a metal post. The background shows a concrete pillar and a green metal shutter.

**Regional initiative 5**  
**Policy and regulation**





## Objective

To assist Member States in developing appropriate policy and regulatory frameworks, enhancing skills, increasing information sharing and strengthening regulatory cooperation.

### POLICY AND REGULATION

#### EXPECTED RESULTS

- 1 Development of appropriate policies, regulatory frameworks relating to the regional initiatives, where necessary
- 2 Enhancing the skills of relevant human resources
- 3 Promotion of regulatory cooperation and information sharing

POLICY AND REGULATION

# PROJECT PROPOSAL

# 1

Enhanced awareness,  
improved reactive and  
PROACTIVE RESPONSE  
capabilities of countries  
against CYBERCRIME



Objective:

Creating awareness of cyberthreats, cybersecurity measures and quality of service in the use of ICTs.



### Estimated budget

CHF 200,000



### Potential partners

National Administrations,  
Private sector, regulatory  
Agencies, UNICEF



### Country or countries involved

Interested countries  
From Asia-Pacific

## 2015 Activities

National training, regional forum  
Direct country assistances

## 2016 Activities

Direct country assistances,  
Trainings workshops

## 2017 Activities

Direct country assistances,  
Trainings workshops

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POLICY AND REGULATION

# PROJECT PROPOSAL

## 2

Enabling environment  
by PROVIDING  
TECHNICAL ASSISTANCE  
to countries in developing  
regulatory frameworks  
covering LEGISLATION  
AND REGULATIONS



**Objective:**  
Development of appropriate policies, regulations and  
legislative frameworks





### Estimated budget

CHF 100,000



### Potential partners

National Administrations,  
regulatory  
agencies, development partners



### Country or countries involved

Interested countries  
From Asia-Pacific

## 2015 Activities

Direct country assistances,  
Trainings, workshops

## 2016 Activities

Direct country assistances,  
Trainings, workshops

## 2017 Activities

Direct country assistances,  
Trainings, workshops

POLICY AND REGULATION

# PROJECT PROPOSAL

# 3

Enhance POLICY,  
LEGISLATIVE AND  
REGULATORY  
FRAMEWORKS and  
availability of  
adequate skills  
in these areas



**Objective:**  
Build capacity that support development of appropriate policies, legislations in the Asia-Pacific region



### Estimated budget

CHF 500,000



### Potential partners

Funding agencies, development partners



### Country or countries involved

Interested countries  
From Asia-Pacific

## 2015 Activities

Forums, direct country assistances,  
Face-to-face and online trainings

## 2016 Activities

Forums, direct country assistances,  
Face-to-face and online trainings

## 2017 Activities

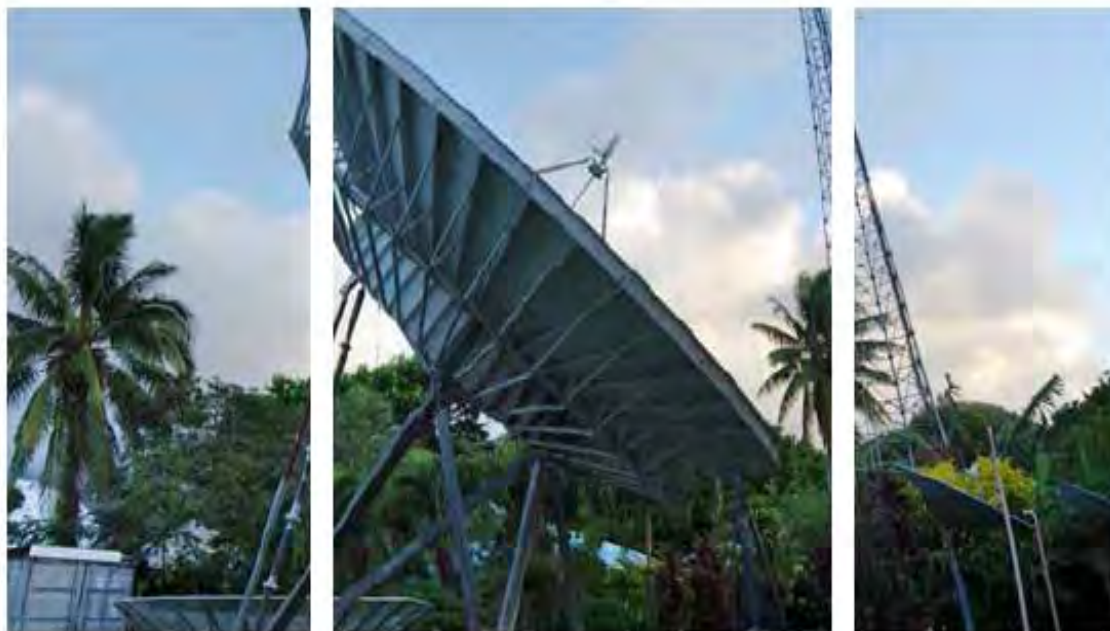
Forums, direct country assistances,  
Face-to-face and online trainings

POLICY AND REGULATION

# PROJECT PROPOSAL

## 4

Development of  
SPECTRUM MANAGEMENT  
master plans for the  
developing countries in  
Asia-Pacific in-line  
with WTDC-14 Objective 2  
and Asia-Pacific  
Regional Initiative 5



### Objective:

To provide assistance in assessing and reviewing the current national spectrum management practices and regulatory frameworks followed by the development of national spectrum management master plans. It will also involve building capacity through workshops and trainings jointly organized by ITU and MSIP, Republic of Korea





### Estimated budget

CHF 139,000



### Potential partners

MSIP, Rep, of Korea



### Country or countries involved

Pakistan, VietNam, Thailand

## 2015 Activities

Direct country assistances and  
Training workshops

## 2016 Activities

Direct country assistances and  
Training workshops

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*We invite and welcome proposals  
for partnerships for implementation  
of ITU Asia-Pacific Regional  
Initiatives*