Universal Access and Service Projects for 2020

Date of Submission:

Project Proposal Form – FORM 002

(All project proposals submitted MUST follow this format and sequence. Projects proposals which do not follow this format and sequence may not be considered. All questions must be answered)

Applicant Information		
Name		
Organization		**Type of Organization:** ☐ Community/Village/Education Institution ☐ Government ☐ Private ☐ NGO ☐ Other
Position		
Mailing Address		
Telephone		**Fax**
Email		

Project Details	
Project Title	
Project Location	
Province	
District	
LLG	
Ward	

Project summary

Please describe this summary within about 20 lines here. As for the detail, please fill in the Annex 1

Project Cost	Requested Amount	Own funding
K	K	K

Duration of the Project

From   To

(The project is to be concluded within 12 months from the date of announcement of selection by the NICTA (UAS Secretariat)

Contact Point Information   (If contact point is different from the applicant, please fill in as follows)

Name	
Organization	
Address	
Position	

Telephone		Fax	

Email	

	Date	

Signature

Project Summary

Please describe outline of the pilot project	
Objectives	
Purpose of Project	
Outline of pilot project	Project description including equipment, networks / systems/ design and schematics needed for the Project. (You may attach another sheet if necessary.)
Appropriateness of the Project	The extent to which the Project can support and improve the lives of persons in the project areas evidenced by • Needs analysis (what is the problem, development opportunity, priorities that project seeks to address) • Project details • Applicability to community needs • Project location (attach maps where appropriate)
Number of Persons benefiting from the project	How many persons would directly and indirectly be benefitting from the project evidenced by • Proposed number of participants • Project impact on the community • Provide an idea of the cross section of persons in the community to benefit from • the project (e.g. elderly, children, public servants, students, farmers, fisherman)
Project Benefits	
Partner organizations/institutions (if any)	
Milestone(significant phases of the project)	
Expected output	
Project Risks	What are the risks to the Project? How will they be overcome or managed? (See management table)

Risk -List all possible risks you can think of	Consequence 4 – Extreme 3 – High 2 – Medium 1 -Low	Probability 4 – Almost certain 3 – Likely 2 – Positive 1 - Unlikely	Risk Management/Mitigation plan
Lack of political or administrative			

	support			
	Land not secured			
	Security			
	Project Equipment Personalized			
	Lack of community support			
	Maintenance & recurrent costs			

Reporting Procedure	Provide outline of reporting
Linkage to existing Government development policies	How will the project contribute to development of the Papua New Guinea? Please explain the linkage of the project to; 1. The Medium-Term Development Plan III (2018-2022) on ICT (Section 3.2), 2. NICTA Strategic Planning Report (2018-2022), and 3. National Broadband Plan 2014, *The documents are available on NICTA's Website*
Financial Support	Financial support from the organization/community/provincial governments/or any other source (if any): How will the project be supported by your organization/community/provincial government/administration?
Sustainability of Project	How to ensure the sustainability of operation of the systems after this project ends? And how the results of this project may be used for enhancing development of your province/community/area?
Please describe project implementation plan (schedule) in detail. (date, period, place, mission, etc.)	

Types of Projects That May Be Proposed

Program 01: Mobile Broadband Expansion and Upgrade

Under this program, the type of project that can be proposed are;

- Extension of broadband mobile services to unserved and underserved areas
- Upgrade of 2G network (voice + data) to 3G/4G network and
- Increase network backhaul capacity to cater for the increase traffic due to expansions and upgrades

Program 02: Community and Institutional Broadband Networks

The type of project that can be proposed are;

1) Broadband Network Access and Service
- Expansion of national backbone network infrastructure:
- Establishment of local broadband access network connections
- Provision of public broadband communication services

2) Institutional Connectivity – Education, Health Facilities, Local Government Offices, Agriculture Centers

3) Community Information and Communications Technology Centers (CICs)

- CIC construction, equipment, installation:
- CIC operation and management:

Program 03: ICT for Future Growth

Type of projects that can be proposed are;

1) ICT Applications and Content
- Original and translated web sites and other materials presented in local, indigenous languages, highlighting information of greatest interest to populations who speak these languages.
- Information content made specifically for and by local community users, sharing local knowledge, history, and culture, as well as business and government information, ideally developed by local users themselves.
- Projects focused on graphic interface, audio-video, and other non-written content aimed at engaging and assisting non-literate users; similar applications and content for disabled or uneducated users.
- Entrepreneurial ventures focusing on creating innovative applications for mobile and smart phones, tablets, and other new devices.

2) Digital Literacy
- Training classes and workshops
- Public relations and awareness building programs
- Entrepreneurial assistance and incubation initiatives
- ICT applications and content development programs
- Community-based technical support resources
- Public administration training and application development

Program 04: Expansion and Upgrade of Broadcasting Network Coverage

Type of projects that can be proposed are;

- Expansion of free to view Digital Broadcasting (TV) Services to unserved areas
- Upgrade from analogue free to air broadcasting services to free to view Digital broadcasting services (TV)
- Expansion of free to air Radio broadcasting services to the unserved areas

Indicative Project Areas

Program 01: Mobile Broadband Expansion and Upgrade.

- Indicative project areas for 4G greenfield and Upgrade from 2G are prioritized from the maximum unserved population to minimum unserved served

- **For Greenfield**

Region	Province	Uncovered Population	% Uncovered Population
Momase	Morobe	141,349	20.95%
Momase	East Sepik	118,238	26.24%
Southern	Milne Bay	94,946	34.34%
Momase	Madang	90,542	18.33%
Highlands	Eastern Highlands	89,936	15.51%
Highlands	Southern Highlands	85,300	16.72%
Momase	West Sepik	83,487	33.61%
Highlands	Enga	79,803	18.47%
Southern	Western	72,464	35.99%
Southern	Central	58,412	21.65%
Highlands	Hela	55,413	22.21%
Southern	Gulf	54,846	34.67%
Islands	East New Britain	52,257	15.91%
Islands	West New Britain	51,129	19.35%
Islands	Bougainville	48,644	19.51%
Highlands	Chimbu	44,576	11.84%
Southern	Oro	36,802	19.75%
Highlands	Western Highlands	35,232	9.71%
Highlands	Jiwaka	33,615	9.77%
Islands	New Ireland	29,314	15.11%
Islands	Manus	10,797	17.85%
Southern	National Capital District	878	0.24%

- **For Upgrade**

Region	Province	3G Upgrade Uncovered Population	% 3G Upgrade Uncovered Population
Highlands	Eastern Highlands	291,003	50.19%
Momase	Morobe	240,062	35.57%
Momase	Madang	223,138	45.18%
Momase	East Sepik	148,575	32.98%
Highlands	Chimbu	139,066	36.94%
Highlands	Enga	122,332	28.31%
Southern	Milne Bay	113,122	40.91%
Islands	Bougainville	112,430	45.09%
Momase	West Sepik	91,195	36.71%
Islands	New Ireland	85,574	44.10%
Southern	Central	78,045	28.93%
Highlands	Southern Highlands	76,121	14.92%
Southern	Western	72,357	35.94%
Southern	Oro	71,628	38.45%
Highlands	Hela	70,872	28.41%
Islands	West New Britain	58,639	22.19%
Southern	Gulf	56,184	35.52%
Islands	East New Britain	54,012	16.45%
Highlands	Jiwaka	49,730	14.46%

Islands	Manus	27,966	46.24%
Highlands	Western Highlands	14,066	3.88%
Southern	NCD	0	0.00%

Program 02: Community and Institutional Broadband Networks

- The target project areas are learning institutions, local government institutions, local healthcare facilities and community base set ups who are ICT ready such as;
  - ✓ Universities
  - ✓ Colleges
  - ✓ Technical and Vocational Schools
  - ✓ National High Schools
  - ✓ Primary and Secondary Schools
  - ✓ Private/public setups
  - ✓ Villages/communities

ICT readiness refers to the basic infrastructure that the institution must have such as reliable power, ICT teachers, funding to help sustain, rooms for computers among others.

Program 03: ICT for Future Growth

- Target project areas include;
  - ✓ Universities with content creation programs/projects
  - ✓ Technical Colleges with content creation programs/projects
  - ✓ Local entrepreneurs with content creation programs/projects

Program 04: Expansion and Upgrade of Broadcasting Network Coverage

- The target project areas include;
  - ✓ Unserved free to view (Digital Television) services areas in PNG;
  - ✓ Unserved free air Radio Broadcasting Services in PNG