

**UN ICT4SIDS Partnership**

**Invitation to Launch Smart Hubs for Rapid Implementation of SDGs in Bangladesh**

Note: This Concept Paper is extracted from the Invitation

**Table1: KEY QUESTIONS TO GET STARTED**

Suggested Project Kickoff Date = August 7 ??

Country/Region Specification: What is the region/country involved – **Dhaka(Main Administration/Supervision/Main Operation Location), Lohagara (region to be operated), Bangladesh --**

Overall Goals and Service Specification	Hub Sector and Service (SDG Goal)
<ul style="list-style-type: none"> <li>What is the goal of the Pilot Project and what are the main expected results (if needed, please write a brief concept note in Exhibit2 to provide any additional background information)</li> </ul>	<p><b>Form an actual Telemedicine Smart Hub in Bangladesh</b></p>
<ul style="list-style-type: none"> <li>What is the name of a sector your Hubs will focus on (e.g., health, education, public safety, public welfare, etc) and/or the SDG Goals of interest (e.g., 1, 2, 3,,17)</li> </ul>	<p><b>Health</b></p>
<ul style="list-style-type: none"> <li>What are the names of the 3-4 service you are interested in (e.g., telemedicine, educating school teachers, disaster management, etc) – Please select From Exhibit1 (or enter a new one)</li> </ul>	<p><b>Telemedicine</b>                      (Microservices Maybe )                      - First aid advice//accident advice                      - Doctor's service referral as per need                      - Hypertension &amp; Diabetes care  <b>Electronic Health Records</b>  <b>Emergency Medical Service</b>                      (Microservices Maybe)                      - Dog bites                      -Emergency Ambulance Service  <b>Patient Information System</b>                      ( Microservices Maybe)                      - Vaccination aid  <b>Essential Health Education</b>                      ( Microservices Maybe)                      - Water and Sanitation Advice                      - Breast feeding-weaning diet advice  <b>Language/Locale</b>                      To provide the services/microservices in local language to increase the acceptance</p>
<ul style="list-style-type: none"> <li>Is this Hub virtual (website), physical or both</li> </ul>	<p>Both</p>

• Is this Hub for Urban or Rural areas	Rural Areas
• How many users will be served (typically 5000-10,000) .	10,000 or more
• Will it operate at a Local, State (Regional) or National level.	Local, Remotely
• Will the service be mainly information dissemination (e.g., guidance, advice) or transactional (e.g., online purchasing)	Yes
P2 (Self Assessment):	
• What are the major benefits (e.g., public service).	Public Service/Humanitarian
• What are the major costs: Low (under 5K) or high (10K USD or higher).	10K
• Do the users need to be trained for maximum benefits.	Yes
• Do you need trained staff to manage this Hub	Yes
• What are possible sources of funding.	None as of now/Fees

Other Observations (based on initial email exchanges and a Skype Chat):

**There are Two points/area to communicate in Bangladesh, the administration/supervision is to run from Dhaka, and the area to serve is Lohagara Municipality. An Office of two rooms will be required at local region. One Medical Officer along with one Office Assistant are required to ensure proper services. Primarily, to ensure proper services, one Personal Computer along with internet service and Electricity back up is required in terms of Hardware and IT facility at Lohagara Municipality. There is to collect data following proper ethics, laws, code of conducts for research as well as to improve services. Stakeholders are to be notified to avoid any future misunderstanding that might occur.**

### Exhibit 1: Sample SPACE Services

SPACE supports almost 100 services in sectors such as economic development, education, healthcare and others (see the table below). In addition, the ICT infrastructure is a horizontal sector that supports all vertical sectors. These services can also be combined into “Service Bundles” that represent inter and intra enterprise composites such as villages, communities, cities and B2B marketplaces.

This is a very powerful capability that can be used to build models of a large number of configurations in public and private sectors.

Economic Development	Education	Healthcare	Law Enforcement & Safety	Transportation & Agriculture	Public Welfare & Environmental Services	Common Services
Entrepreneurship	Educating Primary School Teachers	Mobile Health Clinic	Police & Fire Services	Optimal Route Planner	Social Services	Corporate Management Services
Micro-Entrepreneurship		Electronic Health Records	Police Crime Investigation Services	Alert Systems	Citizen Welfare Services	Customer Services
Micro-Financing Information Systems	e-learning for the handicapped	Emergency Medical Service	Social Network Services for Governments	Automobile Licensing	Public Healthcare Service	Marketing Services
e-Employment		m-Health (General)	Additional Law and Order Services	e-Agriculture 2.0	eLearning for Needy Children	Sales Services
e-Tourism	e-Learning Support System	Hospital Information System	Weather Alert and Travel Warning	E-Agriculture Phone2SMS	Assisted Living	e-Payment
e-Library (public)	e-Library (school)	Patient Information System	Food Quality and Drinking Water Purity	Eservices for Food Safety	eCare for Aging Populations	EFT – Electronic Fund Transfer
		Telemedicine	Disaster Management and Recovery	Precision Agriculture	Entrepreneurship Welfare Programs	Credit Card Detection System
		e-Behavioural Health		eServices for Agriculture	Clean Air	e-Banking System
		mDecision Support for Health			Environmental Monitoring	
					Environmental Analytics	
ICT Infrastructure Services (Horizontal)						
- Broadband Access, Network Management, Social Networking (*e-Participation, e-Voting), Cloud Computing						

### Enterprise-Wide Service Composite (Service Bundles that Combine Many Individual Services)

- Offices, Departments, Initiatives (e.g., MDG, Mobility, Telemedicine, Aging Population) Services, Firms, Business Units, eCities, eCommunities, Government Specific Initiatives

### Inter-Enterprise Service Composites (Service Bundles for B2B and G2G Integrations)

- G2G Services (Interagency Exchanges), Supply Chain for Food Distribution, Health informational Networks, Educational Networks, Entrepreneurial Networks, B2G Services

## Exhibit 1: Short Concept Note and Additional Information (Optional)

**Note:** This brief concept note (one page) provides any additional information and identifies the key drivers for launching the Pilot Project.

**Answer:** To elaborate/discuss the services more along with some future scopes:

**Automatic Prescription generation:** under Telemedicine/Primary healthcare this service could be enlisted as well.

To elaborate more: Qualified doctors are to take patient history and do primary investigations and give input to the systems, based on this the system is to provide output of three sorts:

- a) Automatic prescription.
- b) Reference Generation
- c) Diagnostic Test Suggestion

**Ambulance:** Emergency Ambulance Service might be some services like Uber. There are set of rules related to this. For example, The Ambulance are to be Registered and pass inspection and thus qualified by our hub. Driving license is mandatory and so on.

**Primary healthcare:** Primary Healthcare might consist of Diarrhea, flues, and such issues.

**Language:** All services are to be provided with local language to increase the customer acceptance.

**Future Scope:**

**Volunteerism:** through Social networking app- Where person free on certain times will register themselves as volunteer person and will provide services to the needy ones.

**Notes on Competitive Disadvantage(as part of risk assessment maybe):** There could be rivalry at local level and attempt not to co-operate with the project by generating misconceptions, fake news and so on. This is to avoid tactfully and all by engaging everyone(to whom it might apply) properly and by creating the feelings that every individual is part of this to some extents. More ideas are to incorporate in this section with time, maybe.

**Other Future Project/s**