

Invitation to Register Interest as Universal Service Provider for the Provision of Collective Broadband Access (CBA) Phase 2 as Part of Kampung Tanpa Wayar (KTW) Initiative

**Briefing to Licensees
Auditorium, SKMM**

Monday, 19 December 2011



Agenda

Part 1:

- 1. Background**
- 2. Project Requirement**

Part 2:

- 1. Invitation to Register Interest**
- 2. Scope of Work**
- 3. Specifications**
- 4. Scope of the Draft Universal Service Plan**
- 5. Submission of Draft Universal Service Plan**
- 6. Project Timeline**

Background

1

To enable broadband access for the target communities living in the universal service targets (UST) in particular the recipients of netbooks under the Komputer 1Malaysia initiative

2

Under this Invitation, the provision of collective access to broadband access services shall take the form of Collective Broadband Access (CBA) network as part of Kampung Tanpa Wayar (KTW) initiative

3

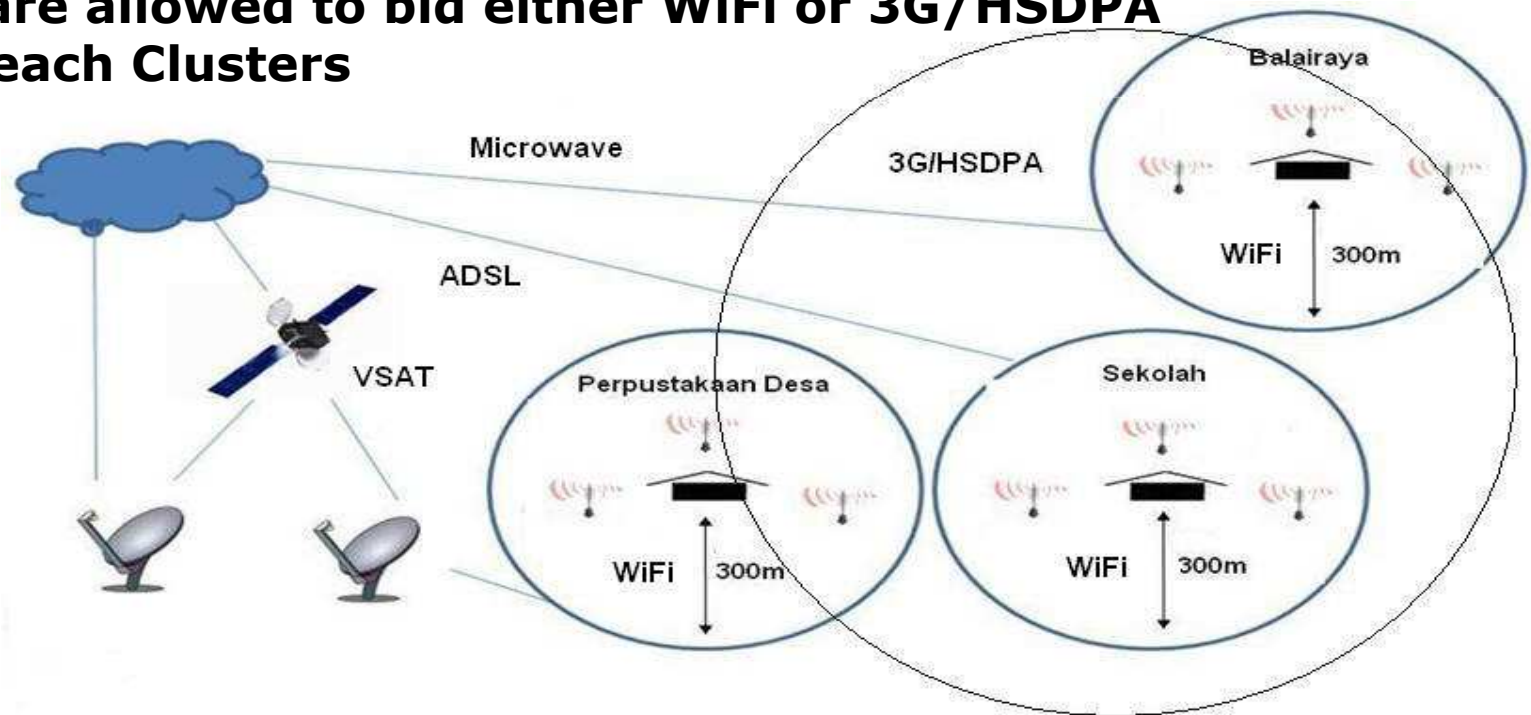
The provision of KTW Phase 2 is divided into 3 batches and breakdown into clusters of UST

Project Requirement

❑ KTW wireless network architecture consists of two (2) parts:

- Backhaul connectivity (wired such as fibre optic & copper or wireless such as microwave links & satellite);
- Access network (last mile: WiFi, 3G/HSDPA).

❑ Licensees are allowed to bid either WiFi or 3G/HSDPA service for each Clusters



Invitation to Register Interest

□ Licence Requirement:

A. Must be holder of ALL:

1. Network Facilities Provider (Individual) licence (NFP(I));
2. Network Services Provider (Individual) licence (NSP(I));
3. Applications Services Provider (Class) licence (ASP(C))(to provide Internet Access Services);

B. Licensees that hold ONLY ASP(C) as above:

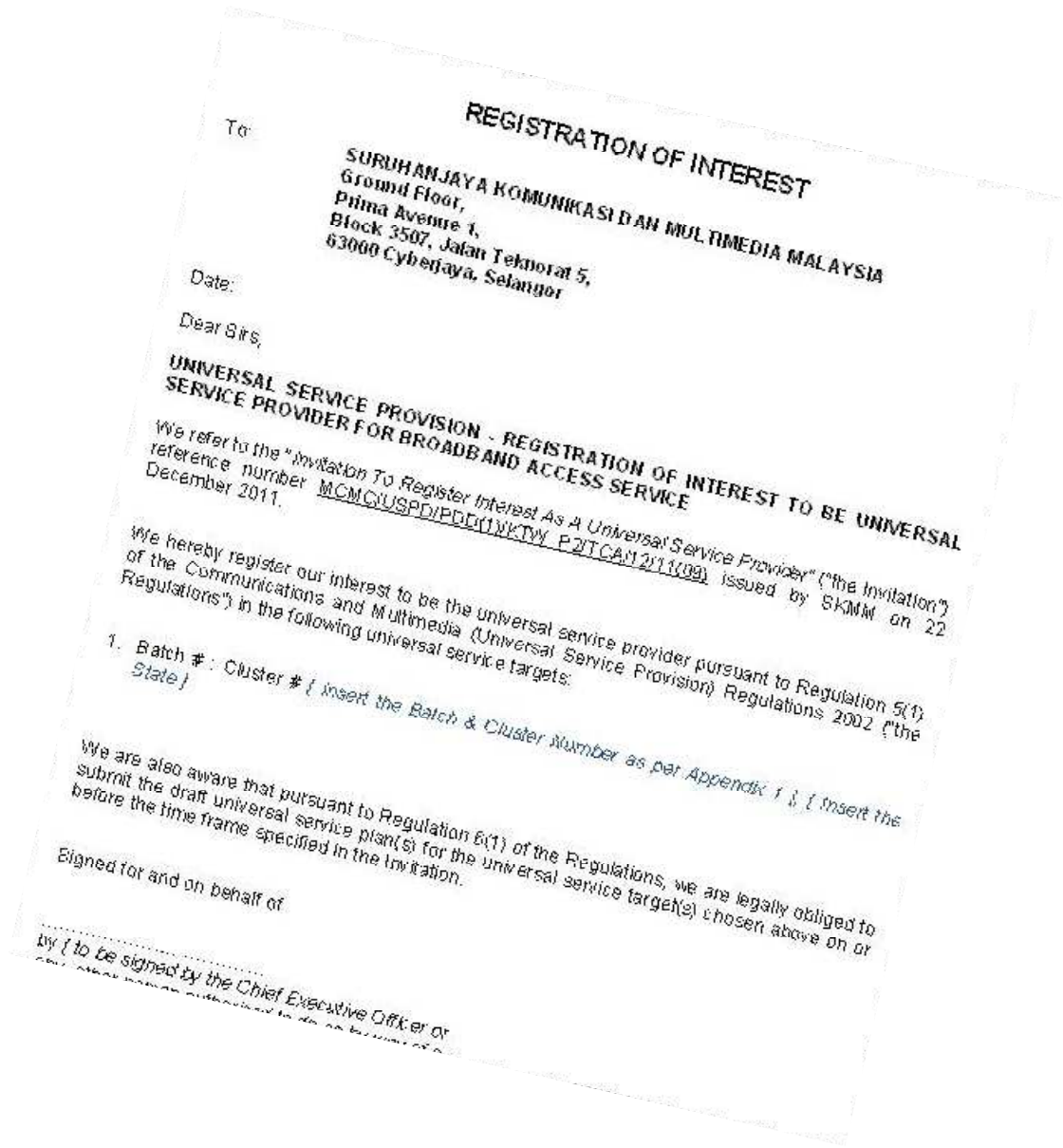
1. to **collaborate** with any existing NFP(I) & NSP(I) to deploy the network concerned

□ Additional Requirement:

- The NFP(I) licence must have facilities that enable the delivery of the broadband access service
- NFP(I) & NSP(I) Licensees must ensure that the licensed area permitted in their licences is within the USTs that is bid for

Clustering of UST

- ❑ Sites are grouped into 3 batches and clusters
- ❑ Licensees may register interest for:
 - any one cluster;
 - two or more clusters; or
 - all clusters
- by completing the enclosed form



Scope of Work

□ To supply, install and maintain the following for a period of 3 years:

A: Collective Broadband Access Network Specification

- Broadband wireless Internet access (speed of 4Mbps for WiFi);
- Outdoor Access Point(s) for WiFi Hotspot (min. 300m coverage);
- Uninterruptible Power Supply (UPS) with surge protection;
- Power supply connectivity;
- Equipments housing cabinet/rack;
- Fencing (for VSAT);
- KTW signboard;
- Mechanism to charge users, billing and reporting system; and
- Web based remote monitoring system.

B: Individual Broadband Access Specification and Package

- Access at 24 hours-per-day;
- Min. speed of 384kbps (3G/HSDPA only); and
- Broadband package subscription at RM10 per month.

Specification Guidelines

A1. Backbone Network:

No.	Network Element	Description
1	Microwave system	Connectivity to nearest existing network
2	Satellite system	VSAT transceivers
3	Cable system	Wired connectivity to existing ADSL distribution box
4	Leased line	Hybrid backbone configuration

A2. Last Mile Access Network

No.	Network Element	Description
1	Radio Access	3G/HSPA base systems
2	VSAT Receiver	VSAT IDU and antenna
3	Wireless CPE / Network Terminating Equipment	WiFi Booster, Wireless AP, DP
4	End User Access	3G/HSDPA dongle (for 200 users for each Coverage Target as per Appendix 1)

A3. Data Server/Customer Data Server

No.	Equipment	Description
1	Router and switches	Local server equipment
2	DHCP/Proxy/AAA servers	
3	Internet service gateways	
4	Software/Application	

A4. Miscellaneous

No.	Item	Description
1	Spectrum	Frequency allocation and Apparatus Assignment
2	Preliminaries & Civil Work	Local authority, utilities, project management, site acquisition, ancillary and fit-out work
3	Operation and Maintenance	Operation, maintenance and technical support
4	Others	Installation, testing, commissioning and upgrading of existing network

Operation & Maintenance Support

Remote Monitoring System

- Web-based network and connection monitoring system
- Able to be extended to SKMM's USP Monitoring System

Preventive & Corrective Maintenance

- For 3-years commencing from completion date
- Hotline number availability 24 x 7 x 365

Preventive Maintenance:

- Periodic with minimum or no interference to the operation of CBA

Corrective Maintenance:

- Trouble ticket handling with SLA
- Response time within 5 hours
- Restoration time within 24 hours
- Minimize outages

Scope of the Draft Universal Service Plan

□ A. Technical Proposal

Section	Description
A	<p>Executive Summary of Batch #; Cluster #</p> <ul style="list-style-type: none"> - Overview of the technical proposal
B	<p>Technical Proposal of Batch #; Cluster #</p>
B1	<p>Summary of Technical Proposal</p> <ul style="list-style-type: none"> - Refer to Appendix 5 for the summary proposal template
B2	<p>Details of Technical Proposal</p> <ul style="list-style-type: none"> - Details of the locations within the universal service target - Details of the technology being proposed - Detailed description of the network facilities to be installed within the universal service target - Project plan schedule - Implementation team - Detailed maintenance and operational support plan - Broadband subscription package, access devices, billing mechanism - Marketing and promotional activities to encourage and promote broadband service take up
C	<p>Other Information</p> <ul style="list-style-type: none"> - Information on the track record and relevant experience related to broadband projects for the past three (3) years - Other information deemed necessary

B. Financial Proposal

Section	Description
A	Executive Summary of Batch #; Cluster # - Overview of the financial proposal
B	Financial Proposal of Batch #; Cluster #
B1	Summary of Financial Proposal - Refer to Appendix 6 for the summary proposal template
B2	Details of Financial Proposal <ul style="list-style-type: none"> - Schedule of prices in detail - Capex and Opex costs in detail
C	Other Information - Other information deemed necessary

Submission of Draft Universal Service Plan

- ❑ Licensees should submit **ONE OFF** Basis Document + **ONE** draft plan for **EACH** Cluster(s)

- ❑ Each draft plan shall comprises 2 separate documents:
 - Technical Proposal; and
 - Financial Proposal.

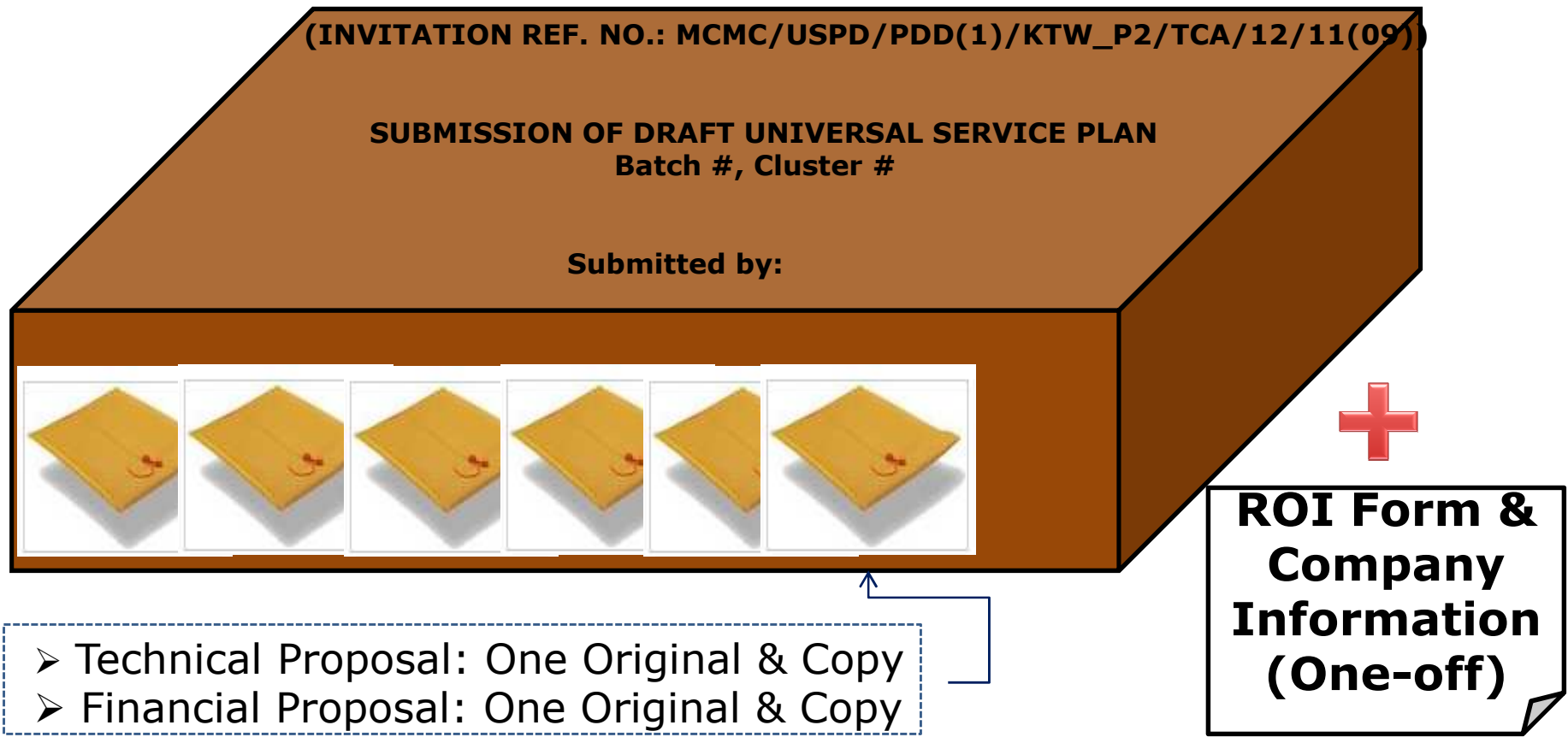
- Each proposal (Technical and Financial) shall be submitted in **DUPLICATE** marked "**ORIGINAL**" and "**COPY**"

- ONE-OFF Basis :
 - ❑ **Licensee's Information**

***All pages of the Financial Proposal shall be dully initialed and affixed with a rubber stamp of the Licensee**

***All pages of the Technical Proposal shall NOT bearing to the company's name, logo, and stamp**

- ❑ Technical & Financial Proposal shall be prepared in the prescribed format and placed properly in BOX(es)
- ❑ ROI Form (Appendix 2) to be handed separately to the officer in charge during submission



❑ **Reminder during submission**



Submission Datelines

❑ Closing Dates (RoI & USP Draft Plans):

- **Batch 1**: on or before 12.00pm, **5th January 2012**;
- **Batch 2**: on or before 12.00pm, **16th January 2012**; and
- **Batch 3**: on or before 12.00pm, **30th January 2012**.

❑ RoI & USP Draft Plan(s) Submission at:

**SURUHANJAYA KOMUNIKASI DAN MULTIMEDIA MALAYSIA,
Ground Floor,
Prima Avenue 1,
Block 3507, Jalan Teknorat 5,
63000 Cyberjaya, Selangor**

Project Timeline

Id.	Activities	Date
1.1	RFP Processes	
1.1.1	<i>Notice on RFP Briefing on SKMM website</i>	14-Dec-11
1.1.2	<i>Briefing to Licensee</i>	19-Dec-2011
1.1.3	<i>RFP Issuance on SKMM website</i>	22-Dec-11
1.2	Registration of Interest (RoI) & USP Draft Plan Submission	
1.2.1	<i>Batch 1</i>	5-Jan-12
1.2.2	<i>Batch 2</i>	16-Jan-12
1.2.3	<i>Batch 3</i>	30-Jan-12
1.3	Rollout	
1.3.1	<i>Batch 1</i>	27-Jan-12
1.3.2	<i>Batch 2</i>	13-Feb-12
1.3.3	<i>Batch 3</i>	23-Feb-12

Licensees Obligation under the Regulations

- ❑ Any Licensees who have **registered their interest (RoI)** shall submit the USP draft plan(s) within the specified time frame (Reg. (6(1)))
- ❑ In the event that SKMM approves the draft universal service plans and **designates** the Licensees as **designated universal service provider** for the universal service targets, the Licensees will be subject to an obligation under subregulation 11(1) of the Regulations to comply with the approved universal service plans

Licensee who fails to comply with this regulation commits an offence under the Regulations and shall on conviction be liable to a maximum fine of RM300,000.00 or imprisonment for a maximum term of 3 years or both

Clarifications & Enquiries

Should there be a need to seek clarification and additional information regarding this Invitation, all inquiries shall be directed to:

Tender Secretary

Tel: 03-8688 8000 ext 8300 / 8227

Fax: 03-8688 8100

email at tender@cmc.gov.my

Thank You



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