



MALAYSIAN COMMUNICATIONS AND MULTIMEDIA COMMISSION

**INVITATION TO REGISTER INTEREST AND SUBMIT
A DRAFT UNIVERSAL SERVICE PLAN**

AS A

**UNIVERSAL SERVICE PROVIDER
UNDER THE COMMUNICATIONS AND MULTIMEDIA
(UNIVERSAL SERVICE PROVISION) REGULATIONS 2002**

**FOR THE INSTALLATION OF NETWORK FACILITIES FOR FIBRE-TO-THE-HOME
(FTTH) INFRASTRUCTURE AND PROVISIONING OF FIXED BROADBAND
ACCESS SERVICES AT *RUMAH KELUARGA ANGKATAN TENTERA (RKAT)*
UNDER THE UNIVERSAL SERVICE PROVISION INITIATIVE**

Ref: SKMM(S)/USPD/UPD/200/Jld.1(Invitation/RKAT-FTTH/2025)
Date: 2 January 2025

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ABBREVIATIONS

ASP(C)	-	Applications Service Provider Class Licence
ATM	-	Angkatan Tentera Malaysia
BOQ	-	Bill of Quantity
BSEP	-	Bahagian Siber Elektromagnetik Pertahanan
CAPEX	-	Capital Expenditure
CME	-	Civil, Mechanical, and Electrical
DUSP	-	Designated Universal Service Provider
FOC	-	Fibre Optical Cable
FTB	-	Fibre Termination Box
FTTH	-	Fibre-To-The-Home
FWS	-	Fibre Wall Socket
ISP	-	Internet Service Provider
LAT	-	Latitude
LONG	-	Longitude
LS	-	Lump Sum
m	-	Metre
Mbps	-	Megabit per Second
MCMC	-	Malaysian Communications and Multimedia Commission
MoU	-	Memorandum of Understanding
NFP(I)	-	Network Facilities Provider Individual Licence
NSP(I)	-	Network Service Provider Individual Licence
OLT	-	Optical Line Terminal
OPEX	-	Operating Expenditure
POI	-	Point of Interconnect
Qty.	-	Quantity
Ref	-	Reference
RFS	-	Ready for Service
RKAT	-	Rumah Keluarga Angkatan Tentera
SEB	-	Sarawak Energy Berhad
SESB	-	Sabah Electricity Sdn Bhd
SOP	-	Standard Operating Policies and Procedures
TNB	-	Tenaga Nasional Berhad
TR	-	Telecommunication Room
UPS	-	Uninterruptible Power Supply
USP	-	Universal Service Provision
UST	-	Universal Service Target

INTERPRETATION

Any terms or words used in this Invitation shall, unless expressly stated or if the context otherwise requires, have the same meaning as provided in the Communications and Multimedia Act 1998 [(Act 588)], all subsidiary legislation and instruments issued, made or given by the Minister or the Commission.

- a) "Act" means the Communications and Multimedia Act 1998 (Act 588).
- b) "Approved Universal Service Plan" means the draft universal service plan (as defined herein) that has been approved by the Commission as specified under regulation 8 of the USP Regulations (as defined herein).
- c) "Bill of Quantity or BOQ" means a customised document proposed by the Interested Licensee (as defined herein) to the Commission in which materials, parts, equipment and cost of labour are itemised. The BOQ is to be priced in Ringgit Malaysia and shall be inclusive of any applicable tax imposed by the Government of Malaysia. The sum of the amount shown in the BOQ shall represent the total cost for each site in every RKAT.
- d) "Broadband access services" means Internet access delivery to the end-user at a minimum speed of 100 Mbps through the FTTH network infrastructure.
- e) "Commission" means the Malaysian Communications and Multimedia Commission established under the Malaysian Communications and Multimedia Commission Act 1998 [(Act 589)].
- f) "Completion Report" means a report to be compiled and maintained by the Designated Universal Service Provider on the completion of Work (as defined herein) for each RKAT (as defined herein) for at least 7 years from the submission of the Declaration (as defined herein) for Milestone No. 2 as stipulated in **Appendix 6** in this Invitation.
- g) "Declaration" means a self-declaration made by the Chief Executive Officer or a person who holds an equivalent designation in the Designated Universal Service Provider that the scope of work for each stage as stipulated in the claim schedule attached to the Notification of Approval issued to the relevant Designated Universal Service Provider has been delivered in accordance to the Approved Universal Service Plan, and that all representations and information furnished to the Commission in the self-declaration are accurate and true.
- h) "Designated Universal Service Provider" means any Interested Licensee (as defined herein) designated by the Commission under regulation 9 of the USP Regulations pursuant to this Invitation.

- i) "Draft universal service plan" means a draft of the universal service plan submitted by the Interested Licensee as specified under regulation 6 of the USP Regulations.
- j) "Interested Licensee" means any person who holds a valid Network Facilities Provider Individual Licence, a Network Service Provider Individual Licence, and an Applications Service Provider Class Licence (providing Internet access service) under the Act, meets the eligibility criteria set pursuant to subregulation 5(2)(ga) of the USP Regulations, and register its interest to respond to this Invitation.
- k) "Fibre-To-The-Home (FTTH)" in the context of this Invitation, means deploying fibre infrastructure and its network elements to deliver fixed broadband access services at the identified RKAT, as shown in **Appendix 1** of this Invitation.
- l) "Licensee" means a person who either holds an individual licence, or undertakes activities which are subject to a class licence, granted under the Act.
- m) "Notification of Approval" means a notification issued by the Commission to the Designated Universal Service Provider pursuant to regulation 9 of the USP Regulations.
- n) "Relevant authorities" include but are not limited to the Fire and Rescue Department of Malaysia, the power supply providers (for example SEB, SESB, and TNB), and all relevant local authorities.
- o) "Rumah Keluarga Angkatan Tentera" refers to residential housing facilities provided for members of the Malaysian Armed Forces (ATM). These facilities ensure the welfare, comfort, and well-being of military personnel by offering suitable living accommodations close to their designated bases or workplaces. The number and location of RKAT under this Project are as identified by BSEP.
- p) "Universal Service Target or UST" means an underserved area and/or an underserved group within the community.
- q) "USP Regulations" means the Communications and Multimedia (Universal Service Provision) Regulations 2002.
- r) "Work" means the entire scope of work to be undertaken and completed by the Designated Universal Service Provider pursuant to the Approved Universal Service Plan and the Notification of Approval issued by the Commission.

SECTION I INTRODUCTION

1. BACKGROUND

- 1.1. This USP initiative is part of the Commission's ongoing efforts to bridge the digital divide between urban and rural areas, as well as between served and underserved communities in Malaysia, in accordance with the objectives as specified in subregulation 3(1) of the USP Regulations.
- 1.2. The Commission has pursuant to subregulation 4(1) of the USP Regulations, specified the Universal Service Targets under Notification Ref. No: NT/USP/2/02, Ref. No: NT/USP/1/04, Ref. No: NT/USP/08/01, Ref. No: NT/USP/01/11, and Ref. No: NT/USP/01/21 respectively.
- 1.3. This Invitation is made pursuant to regulations 3, 3A, and 5 of the USP Regulations ("Invitation") to invite Interested Licensee to register their interest to be the DUSP for the installation of network facilities for FTTH infrastructure and the provisioning of fixed broadband access services ("Project"), at RKAT located at the seventy-three (73) ATM camps nationwide, as specified in **Appendix 1** of this Invitation.
- 1.4. This project involves approximately 59,420 RKAT that has no fixed broadband access services, as identified and verified by the BSEP under the ATM. The initiative aims to provide military personnel and family members with high-speed fixed broadband access services under a "*Perajurit Broadband*" package at RM49.00 per month for 100 Mbps.
- 1.5. The latitude(s) and longitude(s) provided in **Appendix 1** are meant to serve as reference points only, to enable the Interested Licensee to identify the said locations.

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SECTION II DESCRIPTION OF SCOPE OF WORK

2. GENERAL DESCRIPTION OF THE FACILITIES AND SERVICES TO BE PROVIDED

2.1. The network facilities and network services to be provided under this Invitation are as follows:

2.1.1. **Part 1:**

(a) to undertake the deployment of passive network infrastructure and its ancillaries including fibre optic cables from the common access manhole or POI up to the FWS at each identified RKAT premises **inside the ATM camp**; and

2.1.2. **Part 2:**

(a) to undertake the deployment of passive network infrastructure and active equipment of the existing network **outside the ATM camp** up to the common access manhole or POI; and

(b) to install active equipment i.e. Optical Network Unit (ONU), modem, router, etc at the RKAT premises for the purpose of provisioning fixed broadband access services to the end users **inside the ATM camp**. This part also involves the installation and configuration at the end-user's premises.

(c) the Part 2 DUSP is required to offer a “*Perajurit Broadband*” package at RM49.00 per month for 100 Mbps. The package includes an introductory price of RM39.00 per month for 100 Mbps, for the first six (6) months of the subscription.

2.2. To ensure effective service delivery to the end users, Part 1 DUSP will be responsible for the planning, design, and deployment of passive network infrastructures inside the ATM camp, including interconnection and integration with the Part 2 DUSP’s network and its associated elements for the provisioning of fixed broadband access services at the RKAT.

2.3. The scope of work for Part 1 and Part 2 are further explained in paragraphs 3, 4 and 5 of this Invitation below.

3. GENERAL SCOPE OF WORK FOR PART 1 AND PART 2

- 3.1. This scope of work describes the requirements, timeline, documents and reports for the DUSP. The Interested Licensee shall read, understand and fulfil all obligations specified herein.

General Requirements

- 3.2. The Part 1 and Part 2 DUSPs shall at all times communicate, coordinate, and cooperate in executing this project after the issuance of the Notification of Approval by the Commission. Therefore, both parties shall establish a detailed project plan to ensure seamless coordination and alignment in network integration, clearly defining roles, responsibilities, and technical requirements for a smooth and efficient network interconnection.
- 3.3. Open access to the infrastructure shall be provided at all times and the access must be capable of accommodating a minimum of seven (7) established Internet Service Providers (“ISP”).
- 3.4. Open access is necessary under this Invitation to avoid duplication of infrastructure and enhance competition to enable end-users to benefit from various choices and innovative retail services that the Part 2 DUSP and/or other ISPs may offer.
- 3.5. The Part 1 DUSP shall permit interconnection with other ISPs’ network facilities to ensure that the other ISPs also can provide its fixed broadband access services, based on demand by the end-users at the RKAT.
- 3.6. The network services and interconnection with the network of other ISPs shall be made available at all times. Backup and redundancy must be implemented to mitigate any potential service disruptions. Both Part 1 and Part 2 DUSPs must maintain proactive network monitoring and regular performance reporting to ensure consistent service quality.
- 3.7. The Part 1 and Part 2 DUSPs shall provide cost-effective, technologically and environmentally sustainable solutions and materials to undertake this Project.
- 3.8. In undertaking this Project, the DUSP shall comply with the following:
- 3.8.1. The Act, any subsidiary legislation made under the Act, including but not limited to the USP Regulations, other instruments, plans, mandatory standards including Mandatory Standard on Access Pricing, guidelines or

regulatory policies issued, made or given under the Act, including any amendment(s) or replacement(s) enacted thereafter;

3.8.2. The technical codes published by the Commission as follows:

- (a) MCMC MTSFB TC G024:2020: Technical Code on Fixed Network Facilities - In Building and External; and
- (b) MCMC MTSFB TC G025-1:2020: Technical Code on Basic Civil Works - Part 1: General Requirements including any amendment(s) or replacement(s) enacted thereafter;

3.8.3. Any other requirements and/or conditions as set forth by any other relevant state authority, local authority or other relevant authorities (“Authorities”) for the implementation of the Project; and

3.8.4. Any other requirements and/or conditions that may be imposed by the Commission from time to time.

3.9. The DUSP shall be required to adhere to all local laws and regulations which are legally binding in any State.

3.10. Interested Licensees that submit draft universal service plan for Part 1 are not allowed to submit draft universal service plan for Part 2, and Interested Licensees that submit draft universal service plan for Part 2 are not allowed to submit draft universal service plan for Part 1.

4. DETAILED SCOPE OF WORK FOR PART 1

4.1. The Part 1 DUSP shall be responsible for, but not limited to the following:

4.1.1. Identify the exact location of sites/premises/buildings of the RKAT for the purpose of this Project within the ATM camp as specified in **Appendix 1** of this Invitation.

4.1.2. Perform actual site surveys to ensure the best method for deployment of passive network infrastructure with an optimal cost-saving approach, and coordination with the relevant authorities for the necessary permits/way leave approval.

4.1.3. Conduct planning, installation and commissioning of passive network infrastructure i.e. underground ducting, manhole, pole, fibre optic cables or any other relevant infrastructure which includes the CME work inside the ATM camp along the planned routes. An illustration of a high-level design for demarcation of the scope of work for Part 1 DUSP can be referred to in **Figure 1**.

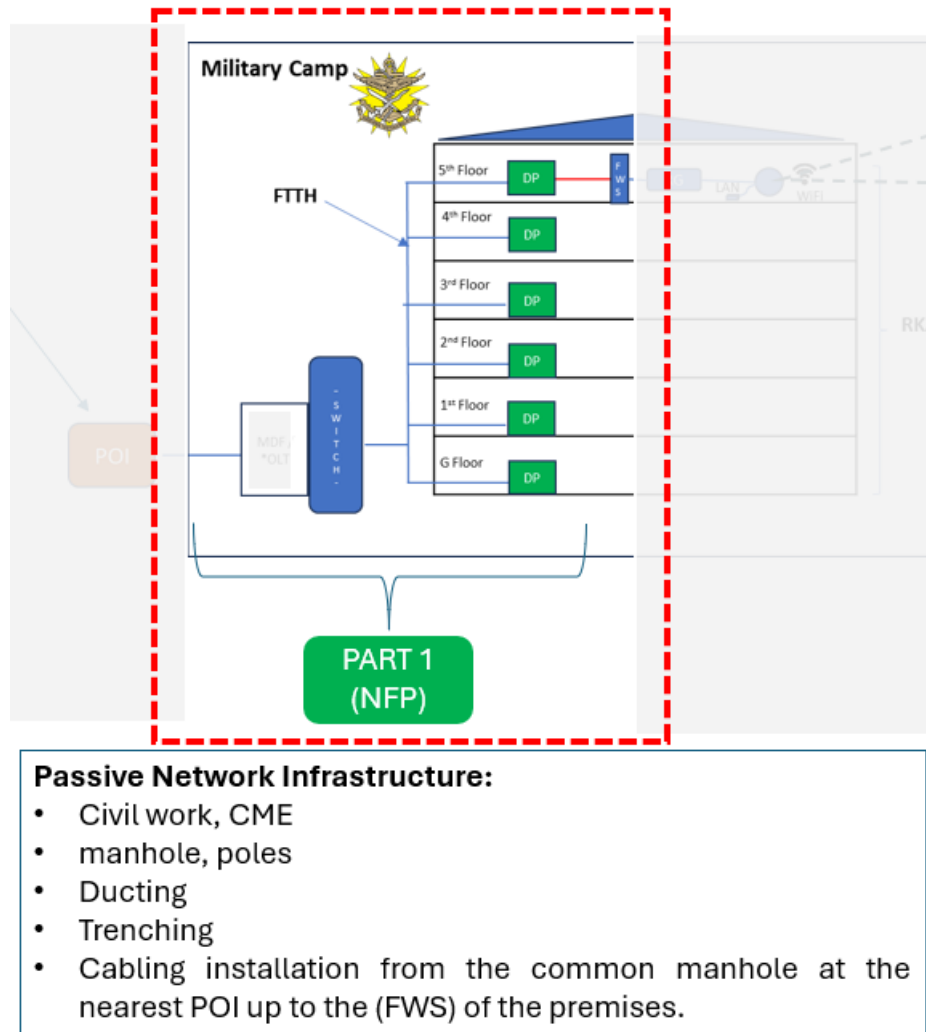


Figure 1: Part 1 DUSP's responsibilities

4.1.4. Provide a POI in the form of a common link-up or common access manhole which is agreeable by Part 2 DUSP to ensure interconnecting of internal and external infrastructure can be made in a best-practiced approach. An illustration of a high-level design for the location of a common access manhole and its specifications can be referred to in **Figure 2**.

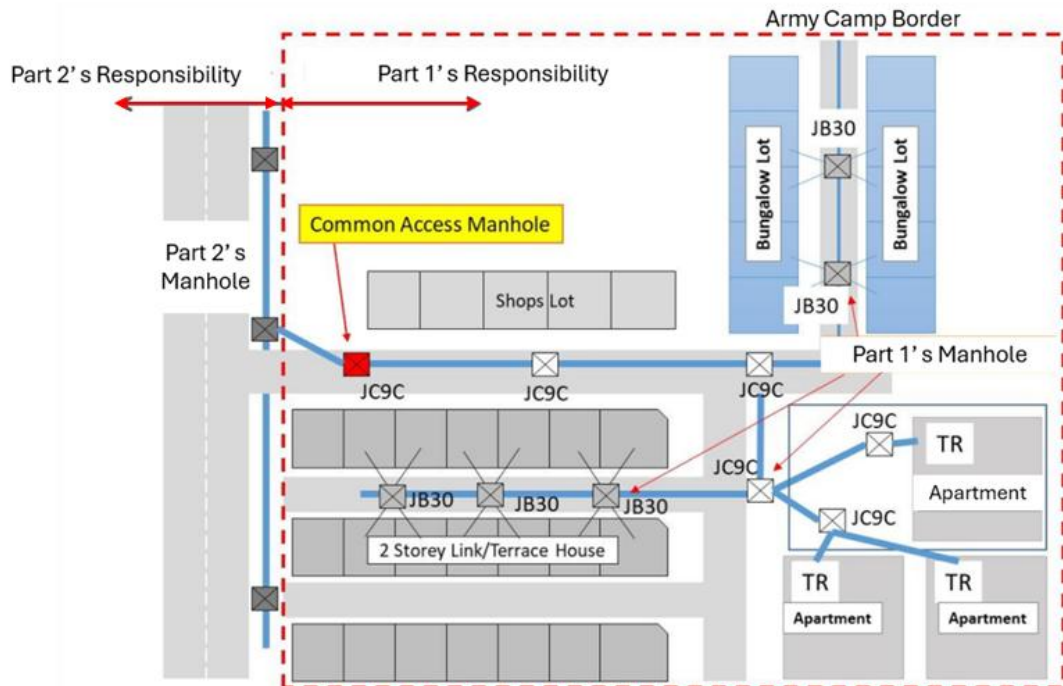


Figure 2: Location of common access manhole

- 4.1.5. For Single-Dwelling Unit (SDU) type of premises, Part 1 DUSP is to install the internal cabling connecting the premise's FTB which shall be placed outside of the wall as per the requirement specified in the technical codes up to the FWS of the premises units.
- 4.1.6. For the Multi-Dwelling Unit (MDU) type of premises, Part 1 DUSP is to install vertical and horizontal cabling connecting the building's FTB inside the TR up to each FWS of the premises units.
- 4.1.7. Conduct a joint interconnection and acceptance test with Part 2 DUSP upon completion to ensure all newly built infrastructure is according to the specified requirements, specifications, and standards agreed upon by both parties.
- 4.1.8. The Part 1 DUSP shall promptly notify the Part 2 DUSP in writing and copy to the Commission when the passive network infrastructure and facilities at each RKAT are completed.

Open access policy

- 4.2. The Part 1 DUSP is required to provide open access for a minimum of seven (7) established ISPs including Part 2 DUSP to offer their services at the RKAT. This requirement ensures equitable access for ISPs to deliver a wide range of services to end users. For this purpose, the agreement shall be based on commercial terms in accordance with the available regulatory instruments published by the Commission.

Implementation Period

- 4.3. The maximum implementation period for Part 1 DUSP to undertake the Work shall not exceed **twenty-four (24) months** from the commencement date specified in the Notification of Approval.
- 4.4. The Interested Licensee for Part 1 shall propose a detailed implementation timeline in its draft universal service plan outlining when the requisite implementation activities shall be completed in accordance with the scope of work. This will be the basis for the Commission to monitor the progress of work for this Project.
- 4.5. The completion date shall be on the date of submission of the Declaration to the Commission for Milestone No. 2 as specified in the schedule of claims in **Appendix 6** of this Invitation ("**Completion Date**").

Warranty and Insurance

- 4.6. The Part 1 DUSP shall be responsible for providing warranty and insurance for the items stipulated below:

Warranty

- 4.6.1. Period of warranty for two (2) years, or as provided by the supplier whichever is longer, to be disclosed clearly in writing to the Commission, if required. The warranty provided shall benefit both the Part 1 and Part 2 DUSPs.
- 4.6.2. In the event of vandalism, the Part 1 DUSP shall be responsible for immediately rectifying and/or replacing any affected network facilities at its own cost.

Insurance

- 4.6.3. The Part 1 DUSP is required to take necessary measures to plan for contingencies at its own cost, such as the purchase and maintenance of all relevant insurances (including, but not limited to insure all assets for a natural disaster and having adequate public liability, fire and flood insurance coverage).
- 4.6.4. The relevant insurance must also be procured and maintained during the Implementation Period of this Project. Failure on the part of the Part 1 DUSP to comply with this requirement shall result in the Part 1 DUSP being solely responsible for any liabilities and/or losses that may arise. The insurance taken must be comprehensive and provide adequate coverage.

5. DETAILED SCOPE OF WORK FOR PART 2

- 5.1. The Part 2 DUSP shall provide a detailed design of the FTTH network infrastructure that shall include, but is not limited to the following:
 - 5.1.1. Perform an actual site survey to ensure the best method of deployment of passive network infrastructure with an optimal cost-saving approach, and coordination with the relevant authorities for the necessary permits/way leave approval.
 - 5.1.2. Conduct planning, installation and commissioning of passive network infrastructure i.e. underground ducting, manhole, pole, OLT or any other relevant infrastructure which includes the CME work from the existing Part 2 DUSP's POI at the outside ATM camp area towards the nearby common access manhole, for the purpose to interconnect with the Part 1 DUSP's passive network infrastructure. An illustration of a high-level design for demarcation of the scope of work for Part 2 DUSP can be referred to in **Figure 3**.

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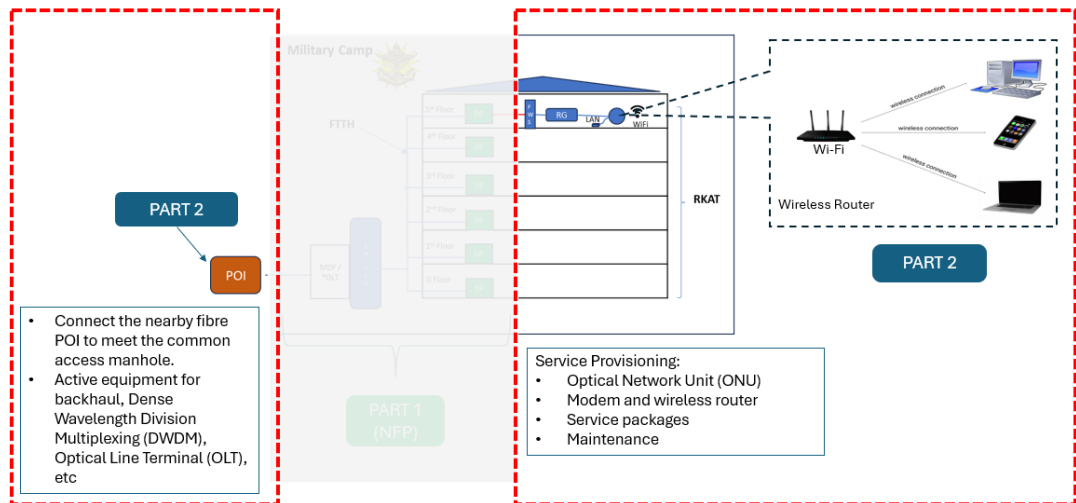


Figure 3: Part 2 DUSP's responsibilities

- 5.1.3. Provide an interconnection to form a link-up between the common access manhole and the Part 2 DUSP's passive network infrastructure outside the ATM camp area.
- 5.1.4. Installation of fibre optic cables along the planned route from Part 2 DUSP's existing network to the common access manhole to ensure the readiness of the connection for seamless service provisioning. An illustration of the high-level design of the interconnection can be referred to in **Figure 4**.
- 5.1.5. Upon a service request from an end-user, the Part 2 DUSP shall undertake the installation of active equipment at the end user's premises, including the configuration of access equipment, to enable the provisioning of fixed broadband access services within 14 days from the date of the request.

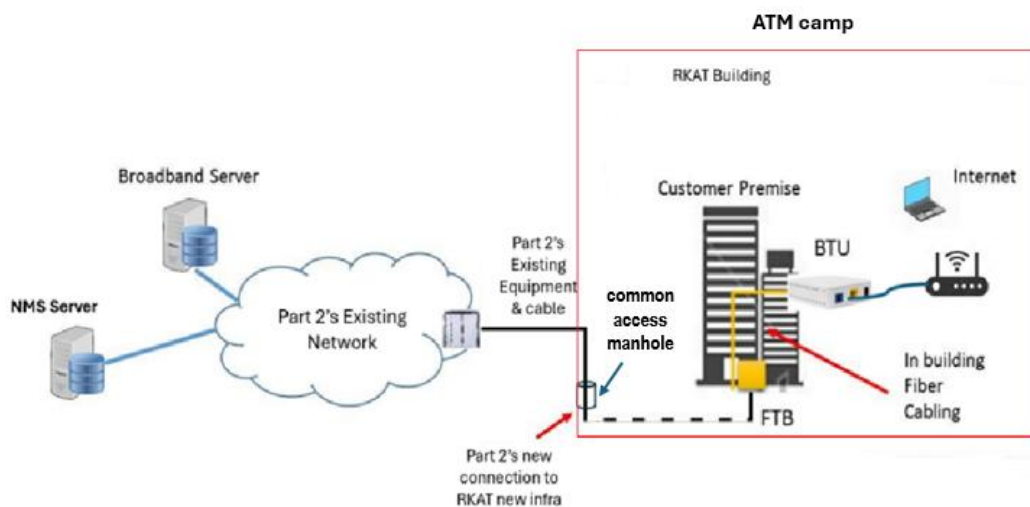


Figure 4: Interconnection of Part 2 DUSP's network

Subscription package to be offered to the users

- 5.2. The Part 2 DUSP is responsible for offering the “*Perajurit Broadband*” package, which is priced at RM49.00 per month for a speed of 100 Mbps. As part of an introductory promotion, the package is available at a discounted rate of RM39.00 per month for the first six (6) months.
- 5.3. To facilitate the success of this initiative, the Part 2 DUSP is entitled to claim RM10.00 per month as OPEX cost from the USP Fund, for the first six (6) months (during the introductory period), for each subscription of fixed broadband access services by the end-users.
- 5.4. In circumstances where the end-user opts to change to alternative ISPs at any point of time during the first six (6) months of subscription, the Part 2 DUSP shall ensure seamless transfer of the allocated OPEX of RM10.00 to the said ISP, guaranteeing the continued provision of the subsidised introductory pricing. To reiterate, the end-user must consistently receive an RM10.00 discount from the standard price of the preferred package. For the avoidance of doubt, the six (6) month period applies only once per user, and it will start from the first subscription of fixed broadband access services.
- 5.5. Notwithstanding paragraph 5.2 above, the Interested Licensee for Part 2 shall propose a detailed subscription package plan to be offered in its draft universal service plan including, but not limited to the core service details, pricing information, contract terms, Fair Usage Policy (FUP), customer support etc.

Implementation Period

- 5.6. The maximum implementation period for Part 2 DUSP to undertake the Work shall not exceed **twenty-four (24) months** from the commencement date specified in the Notification of Approval.
- 5.7. The Interested Licensee for Part 2 shall propose a detailed implementation timeline in its draft universal service plan outlining when the requisite implementation activities shall be completed in accordance with the scope of work. This will be the basis for the Commission to monitor the progress of work for this Project.
- 5.8. The completion date for all RKAT shall be on the date of submission of the Declaration to the Commission for Milestone No. 2 as specified in the schedule of claims in **Appendix 6** of this Invitation ("**Completion Date**").

Warranty and Insurance

- 5.9. The Part 2 DUSP shall be responsible for providing warranty and insurance for the items stipulated below:

Warranty

- 5.9.1. Period of warranty for two (2) years, or as provided by the supplier whichever is longer, to be disclosed clearly in writing to the Commission, if required.
- 5.9.2. In the event of vandalism, the Part 2 DUSP shall be responsible for immediately rectifying and/or replacing any affected network facilities at its own cost.

Insurance

- 5.9.3. The Part 2 DUSP is required to take necessary measures to plan for contingencies at its own cost, such as the purchase and maintenance of all relevant insurances (including, but not limited to insuring all assets for a natural disaster, and having adequate public liability, fire and flood insurance coverage).
- 5.9.4. The relevant insurance must also be procured and maintained during the Implementation Period of this Project. Failure on the part of the Part 2 DUSP to comply with this requirement shall result in the Part 2 DUSP being solely responsible for any liabilities and/or losses that may arise. The insurance taken must be comprehensive and provide adequate coverage.

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SECTION III

REGISTRATION OF INTEREST AND SUBMISSION OF THE DRAFT UNIVERSAL SERVICE PLAN

6. REGISTRATION OF INTEREST REQUIREMENTS

- 6.1. The Interested Licensee which wishes to register its interest to become a DUSP pursuant to this Invitation shall hold the requisite licences with a minimum validity of six (6) months from the closing date, as stated in this Invitation (or has submitted its licence renewal application pursuant to section 34 of the Act to the Commission) to enable it to carry out the scope of work under this Invitation.
- 6.2. The licensed area specified under NFP(I) licence shall be “Malaysia”, and there shall be no last mile limitation. The Interested Licensees must also fulfil the following criteria:

For Part 1

- 6.2.1. Interested Licensee for Part 1 is required to hold a valid NFP(I) licence issued under the Act. The NFP(I) licence held by the Interested Licensee must allow the holder of the licence to own or provide the following network facilities under regulation 19 of the Communications and Multimedia (Licensing) Regulations 2000:
- (a) Fixed links and cables; and
 - (b) Towers, poles, ducts and pits to be used in conjunction with other network facilities.
- 6.2.2. The Interested Licensee for Part 1 shall meet the following eligibility requirements:
- (a) Must have obtained “SURAT KEBENARAN PEMASANGAN FIBER OPTIK DI DALAM KEM ATM” from the BSEP/ATM. This evidence must be submitted together with the draft universal service plan;
 - (b) Minimum two (2) years’ experience in the deployment of FTTH network infrastructure;
 - (c) Not owe any outstanding fees (e.g. licence) to the Commission;
 - (d) Has duly submitted its Return of Net Revenue (RONR) forms to the Commission for each year without fail; and
 - (e) Has no outstanding USP Fund contribution.

For Part 2

- 6.2.3. The Interested Licensee for Part 2 is required to hold valid NFP(I), NSP(I) and ASP(C) licences providing Internet access services, issued under the Act. The NFP(I) licence held by the Interested Licensee must allow the holder of the licence to own or provide the following network facilities under regulation 19 of the Communications and Multimedia (Licensing) Regulations 2000:
- (a) Fixed links and cables; and
 - (b) Towers, poles, ducts and pits to be used in conjunction with other network facilities.
- 6.2.4. The Interested Licensee for Part 2 shall meet the following eligibility requirements:
- (a) Must have established retail packages that are currently available in the market and must have an existing customer base;
 - (b) Minimum two (2) years' experience in the deployment of FTTH network infrastructure and services;
 - (c) Not owe any outstanding fees (e.g. licence, spectrum assignment and/or numbering assignment) to the Commission;
 - (d) Has duly submitted its Return of Net Revenue (RONR) forms to the Commission for each year without fail; and
 - (e) Have no outstanding USP Fund contribution.
- 6.3. The Commission shall have the right to reject and disqualify the submission of the Interested Licensee, which has failed to comply with the requirements stated in subparagraph 6.1 and 6.2 above.
- 6.4. The Interested Licensee shall register its interest with the Commission by completing the Registration of Interest form enclosed in **Appendix 2** of this Invitation.
- 6.5. The Interested Licensees are hereby reminded that pursuant to subregulation 6(1) of the USP Regulations, those who have registered their interest will be legally obliged to submit draft universal service plan for the chosen cluster(s) specified in **Appendix 1** of this Invitation. An Interested Licensee who fails to comply with subregulation 6(1) commits an **offence** under the USP 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.

7. THE DRAFT UNIVERSAL SERVICE PLAN

Technical Details

- 7.1. The template for submission of the Technical Details is provided in **Appendix 3** of this Invitation. The Technical Details in the draft universal service plan shall be in accordance with the detailed scope of work for Part 1 and Part 2 respectively.

Financial Details

- 7.2. The template for submission of the Financial Details is provided in **Appendix 4** of this Invitation. The Financial Details in the draft universal service plan shall reflect clearly the costs for the implementation of work for Part 1 and Part 2 in this Project respectively.

8. SUBMISSION OF THE DRAFT UNIVERSAL SERVICE PLAN

- 8.1. The Interested Licensee shall submit a single document in a separate sealed envelope marked as “**LICENSEE’S INFORMATION**”, which shall consist of the following:
- 8.1.1. Cover letter signed by the Chief Executive Officer or a person who holds an equivalent designation in the Interested Licensee; and
 - 8.1.2. Information of the Interested Licensee and other supporting documents as detailed out in **Appendix 5** of this Invitation.
- 8.2. The Interested Licensee shall submit the draft universal service plan based on its Registration of Interest in a separate binding for each cluster as specified in **Appendix 1** of this Invitation. The draft universal service plan submitted for each cluster(s) bid in each Part(s) shall be divided into two (2) separate documents as follows:
- 8.2.1. Technical Details; and
 - 8.2.2. Financial Details.
- 8.3. The draft universal service plan shall be submitted as follows:
- 8.3.1. One (1) hard copy submission; and

- 8.3.2. **All pages of the Financial Details of the draft universal service plan shall be duly initialled and affixed with the company rubber stamp of the Interested Licensee.**
- 8.4. Pages for the draft universal service plan shall be numbered in the following format: <page number> of <total number of pages>.
- 8.5. The submission of the draft universal service plan shall be enclosed in a separate sealed envelope(s) labelled as follows:
- 8.5.1. This Invitation's reference **(INVITATION REF. NO.: SKMM(S)/USPD/UPD/200/Jld.1(Invitation/RKAT-FTTH/2025))**
- 8.5.2. The description **"SUBMISSION OF DRAFT UNIVERSAL SERVICE PLAN"**:
- (a) PART #: TECHNICAL DETAILS (Cluster No. #); or**
(b) PART #: FINANCIAL DETAILS (Cluster No. #)
- 8.5.3. **"SUBMITTED BY: <Name of Interested Licensee>".**
- 8.6. In addition to the hardcopy, digital copies of the Technical Details and Financial Details shall be submitted in thumb drives (PDF and Excel format). The digital copies shall be in PDF format. In addition, please submit all the relevant working files i.e. the detailed BOQ in Excel format.
- 8.7. All documents mentioned above, including any appendices annexed thereto, shall be taken as being mutually explanatory of each other.
- 8.8. The Interested Licensee shall be deemed to have examined and understood all information and documents set out in this Invitation.
- 8.9. All costs and expenses associated with and necessary for the preparation and submission of the draft universal service plan shall be borne by the Interested Licensee, and is not claimable from the USP Fund.
- 8.10. All corrections, changes, alterations and/or any other amendments whatsoever made in the draft universal service plan shall be initialled and affixed with the Interested Licensee's company stamp.
- 8.11. All documents, which form part of the draft universal service plan(s) shall be properly and securely bound.
- 8.12. Handbooks and any other literature, if any, shall be bound in separate covers.

9. CLOSING DATE

Submission of Registration of Interest

- 9.1. All Interested Licensees shall submit the duly completed Registration of Interest Form in scanned PDF copy format as enclosed in **Appendix 2** of this Invitation **on or before 12:00 pm, 9 January 2025**, via email at usp.planning@mcmc.gov.my
- 9.2. The Interested Licensee shall make available the original Registration of Interest form, in hardcopy to the Commission, if required.
- 9.3. Proof of submission shall take the form of the issuance of an automatic acknowledgement email receipt to the sender from the same email address.
- 9.4. The Commission will not accept any Registration of Interest for part of a cluster, or any combination of clusters which includes two or more parts of different clusters. Under this Invitation, the Interested Licensee may register its interest in any cluster, or all clusters in its entirety.
- 9.5. The Commission shall **NOT ACCEPT** any submission of the Registration of Interest form made by way of physical copy, fax, mail and/or any other means.
- 9.6. In the event that an Interested Licensee submits multiple forms for the Registration of Interest, the Interested Licensee shall be disqualified from participation in this Invitation.
- 9.7. Any submission of the Registration of Interest Form received after the stipulated closing date and time, shall be rejected. In this respect, the Interested Licensee's proof of postage or other evidence of transmission shall not be accepted as proof of receipt by the Commission.

Submission of Draft Universal Service Plan

- 9.8. An Interested Licensee shall submit the duly completed draft universal service plan on or before **12:00 pm, 3 February 2025** at:

**Malaysian Communications and Multimedia Commission
MCMC Centre of Excellence (CoE), Jalan Impact, Cyber 6,
63000 Cyberjaya, Selangor
(Attention: Universal Service Provision Division)**

- 9.9. The Commission will not accept the submission of draft universal service plan for part of a cluster, or any combination of clusters which includes two or more parts of different clusters. The submission of the draft universal service plan must match the Registration of Interest Form.
- 9.10. The Commission shall **NOT ACCEPT** any submission of draft universal service plan made by way of email, fax, mail and/or any other means.
- 9.11. Any submission of the draft universal service plan, including any amendments made thereto, received after the stipulated closing date and time, shall be rejected. In this respect, the Interested Licensee's proof of postage or other evidence of transmission shall not be accepted as a proof of receipt by the Commission.

10. MATTERS FOR CONSIDERATION IN APPROVING THE DRAFT UNIVERSAL SERVICE PLAN

- 10.1. The Commission will consider the matters specified in regulation 7 of the USP Regulations and all information included in the draft universal service plan in deciding whether or not to approve the draft universal service plan.

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SECTION IV
PAYMENT FROM THE USP FUND

11. CLAIMS FOR PAYMENT

- 11.1. The DUSP is entitled to claim the costs undertaken [i.e. capital expenditure (“**CAPEX**”) and operational expenditure (“**OPEX**”)] in respect of this Project pursuant to subregulation 19(2) of the USP Regulations.
- 11.2. The OPEX funded through the USP Fund for this Project applies solely to the Part 2 DUSP for each subscription of fixed broadband access services by the end-users, at a rate of RM10.00 per user, for a maximum duration of six (6) months introductory period.
- 11.3. Notwithstanding paragraph 11.2 above, the OPEX shall only be claimed by the Part 2 DUSP within twenty-four (24) months of the RKAT being declared Ready for Service (“RFS”) to the Commission, and available for subscription and use by the end-user.
- 11.4. The DUSP shall no longer be entitled to make any claims, for any work done during the Implementation Period and Operational Period respectively, no later than one (1) year from the date of the submission of the final Declaration of the Project to the Commission.
- 11.5. Details of the payment schedule, timeline, terms and conditions, and the form and format to submit the claims will be specified in the Notification of Approval issued to the DUSP by the Commission. The claim schedule for the Part 1 and Part 2 DUSPs is specified in **Appendix 6** of this Invitation.

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SECTION V
GENERAL TERMS AND CONDITIONS

12. DESIGN AND QUALITY OF SERVICE

12.1. The Part 1 and Part 2 DUSPs shall be solely responsible for the correct design and configuration of the FTTH network facilities, including all work, infrastructure, equipment, and services offered under this Project. If subsequent modifications or changes are necessary to enable the requirements for the Project to be met, the DUSP shall bear the additional cost involved for the modification or changes and is not entitled to claim for an additional cost from the USP Fund.

12.2. Under this Project, the Part 2 DUSP shall provide a guaranteed end-to-end network service availability for each RKAT with the backhaul transmission throughput shall not less than 100 Mbps (download) and 1 Mbps (upload), 99% of the time.

13. DESIGN SPECIFICATION / CONFIGURATION

13.1. It is anticipated that some matters may have to be clarified following the evaluation of the submission and during the early stages of installation of the facilities and equipment. In this respect, the Commission reserves the right to require written clarifications to be provided by the DUSP.

14. OPERATIONS, MAINTENANCE AND SUPPORT

14.1. The Part 1 and Part 2 DUSP shall be responsible for managing and providing maintenance and operational support at its own cost to ensure uninterrupted service to all connected RKAT. This includes providing proactive and reactive maintenance, operational support, and ensuring that all related facilities and services remain continuously available to end users.

14.2. The Part 1 and Part 2 DUSPs shall adhere to any directive or relevant Standard Operating Policies and Procedures (SOP) which may be imposed and revised by the Commission, from time to time.

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15. REPORT TO THE COMMISSION

Project Implementation

- 15.1. During the Implementation Period, pursuant to regulation 13 of the USP Regulations, the Part 1 and Part 2 DUSPs shall submit a report on the progress of the implementation of the Approved Universal Service Plan on a weekly basis or any other frequency deemed suitable by the Commission, in the form and format specified by the Commission.
- 15.2. Upon completion of every claim milestone(s) stipulated in the Notification of Approval, the Part 1 and Part 2 DUSPs shall furnish the Commission with a Declaration signed by its Chief Executive Officer, or a person who holds an equivalent designation in the DUSP, in the form and format specified by the Commission in the Notification of Approval issued to the relevant Part 1 and Part 2 DUSPs.
- 15.3. The Declaration shall only be furnished to the Commission upon completion of the scope of work(s) for the relevant milestone(s) as stipulated in the schedule of claims specified in the Notification of Approval. It is the responsibility of the Part 1 and Part 2 DUSPs to ensure that all Work(s) has been delivered in accordance with the Approved Plan, and that all representations and information furnished to the Commission in the Declaration are accurate and true.
- 15.4. A Completion Report shall be prepared, compiled, and maintained by the DUSP on the completion of Work for each RKAT for at least seven (7) years from the submission of the Declaration for Milestone No. 2 as stipulated in the schedule of claims in **Appendix 6** of this Invitation.
- 15.5. The Part 1 and Part 2 DUSPs shall attend and meet with the Commission's representative(s), to provide an accurate update on the progress of the Project, and to provide timely reporting to the Commission as and when required by the Commission from time to time.

Operational Period

- 15.6. During the Operational Period, the Part 2 DUSP shall be responsible for providing the subscription report for 6 months of the introductory period, to enable the claims to be made under Milestone No. 4 as stipulated in the schedule of claims in **Appendix 6** of this Invitation, in the form and format specified by the Commission.

16. SUPPLIED MATERIALS AND EQUIPMENT

- 16.1. All items to be used in the implementation of the FTTH network infrastructure by the DUSP at the RKAT shall be fit for the purpose which such items are intended for and be free from defects arising out of faulty design, faulty and inferior material or faulty workmanship.
- 16.2. All items supplied shall be genuine and brand new (i.e. not second-hand, reconditioned and/or used items).

17. APPROVAL FROM RELEVANT AUTHORITIES

- 17.1. The Part 1 and Part 2 DUSPs shall be responsible for obtaining the necessary approvals from the local authority, electrical authority and/or all other relevant authorities before the commencement of Work.
- 17.2. The Part 1 and Part 2 DUSPs shall be solely responsible for any failure to obtain the necessary approvals including any additional costs to comply with the said authority's requirements.

18. INSPECTION AND AUDIT

- 18.1. The Commission and/or its appointed third-party agent(s) shall have the right to inspect and verify that all obligations due from the DUSP are fully complied with. The inspection and verification of the universal services provisioning may include:
 - 18.1.1. Conducting a physical inspection at the site to verify that the items and services are delivered according to the BOQ, timelines and specifications as contained in the Approved Universal Service Plan;
 - 18.1.2. Verifying all relevant supporting documents submitted by the Part 1 and Part 2 DUSPs in its claims for net universal service costs; and/or
 - 18.1.3. Any other aspects that may be necessary by the Commission.

19. SAFETY

- 19.1. The Part 1 and Part 2 DUSPs shall:
 - 19.1.1. Be responsible for ensuring the safety of the site(s), its employees and employees of its agents and/or vendors working at the site(s) at all times;

- 19.1.2. Enforce and take all necessary steps to ensure compliance with all safety measures for workmen, contractors and all other persons at the site as stipulated in all relevant safety-at-work legislation and regulations;
- 19.1.3. Ensure the structural integrity of the network at all times, and ensure compliance with all relevant laws and guidelines. Maintaining the structural integrity of the systems is critical to providing uninterrupted, high-quality service to users and preventing costly repairs or service outages; and
- 19.1.4. Indemnify and keep indemnified, protect and defend at its own cost and expense, the Commission and its authorised officer(s) from and against all actions, claims and liabilities arising out of acts done, omissions or breach of any conditions under the Project by DUSP, its employees or its agents.

20. EXTENSION OF TIME

- 20.1. An extension of time may be granted to the DUSP solely at the discretion of the Commission, upon receiving a written request from the provider, to issue a written notice to extend the delivery timeframe.

PROVIDED ALWAYS that the DUSP has taken all reasonable steps to avoid or reduce such delay and shall do all that may be reasonably required to proceed with the Work; and

PROVIDED THAT all such delays are not due to any negligence, default or breach of the terms and conditions in the Notification of Approval by the DUSP.

21. EFFECT OF FORCE MAJEURE

- 21.1. An “Event of Force Majeure” is an event beyond the control of the DUSP, which results in the delay in the implementation timeline of this Invitation, which are:

- 21.1.1. War (whether declared or not), hostilities, invasion, act of foreign enemies;

- 21.1.2. Insurrection, revolution, rebellion, military, or usurped power, civil war, terrorism;

- 21.1.3. Natural catastrophe including but not limited to earthquakes, floods, subterranean spontaneous combustion or any operation of the forces of nature against which an experienced contractor could not reasonably have been expected to take precautions;

- 21.1.4. Nuclear explosion, radioactive or chemical contamination or radiation (unless caused by the negligent act(s), omission(s) or default of the workmen, contractors and all other persons at all times during the execution of the Work);
- 21.1.5. Pressure waves caused by aircraft or other devices travelling at sonic or supersonic speeds; and
- 21.1.6. Riot, commotion or disorder, unless solely restricted to employees of the workmen, contractors and all other persons for the execution of the Work.

22. PERFORMANCE BOND

- 22.1. The DUSP is required to submit a performance bond in the form of a Bank Guarantee issued by a local licensed financial institution under the Financial Services Act 2013 ("**Performance Bond**") prior to the implementation of the Approved Universal Service Plan.
- 22.2. The Performance Bond shall be kept valid by the DUSP at all times, for the following duration:

Part 1

- 22.2.1. For the Part 1 DUSP, the Performance Bond shall be valid from the commencement date of the Project specified in the Notification of Approval, until the completion of the last RKAT and notification to the Part 2 DUSP; and
- 22.2.2. The Performance Bond for Part 1 DUSP shall be ten percent (10%) of the approved total cost of the Project. The Part 1 DUSP shall ensure that the Performance Bond is always maintained at the value of 10% of the total approved cost of the Project.

Part 2

- 22.2.3. For the Part 2 DUSP, the Performance Bond shall be valid from the commencement date of the Project specified in the Notification of Approval, until the completion and declaration for Ready for Service (RFS) for the last RKAT, with the said Declaration having been duly received by the Commission; and

- 22.2.4. The Performance Bond for Part 2 DUSP shall be ten percent (10%) of the approved total cost of the Project. The Part 2 DUSP shall ensure that the Performance Bond is always maintained at the value of 10% of the total approved cost of the Project.
- 22.3. It shall be the responsibility of the Part 1 and Part 2 DUSPs to ensure that a valid Performance Bond is furnished to the Commission at all times throughout the time period specified above.
- 22.4. In the event that the designation of the DUSP is revoked pursuant to the USP Regulations, the said Performance Bond or any balance thereof shall be forfeited.

23. APPOINTMENT OF ANOTHER PARTY BY DUSP TO UNDERTAKE THE WORKS UNDER THE PROJECT

- 23.1. The DUSP shall not appoint another person to perform the Project in its entirety, save where such appointment is to comply with any requirement and/or condition as set forth by any Authority for the implementation of the Project. If the DUSP appoints another person to perform the Project in its entirety in the absence of such requirement and/or condition of any Authority, the Commission shall have the right to:
- 23.1.1. Instruct the DUSP to terminate forthwith such appointment and shall be liable for all costs and expenses relating to such termination; and/or
- 23.1.2. Revoke the designation of the DUSP for the Project.
- 23.2. The DUSP, however, may appoint other persons to perform part of the works under the Project and shall be responsible for the acts, defaults or neglects of any person appointed, his contractors, agents or employees as if they were the acts or defaults of the DUSP.

24. CLARIFICATION AND ENQUIRIES

- 24.1. It is inevitable that some matters may have to be clarified following the evaluation of the submission and during the early stages of installation of the equipment. In this respect, the Commission reserves the right to issue written clarifications on the specifications where necessary, to stipulate any requirements more clearly.
- 24.2. By registering its interest and submitting its draft universal service plan, the Interested Licensee is deemed to consent to the use of any of the information in the draft universal service plan or part thereof by the Commission for any purpose whatsoever.

- 24.3. Should there be a need to seek clarification and additional information regarding this Invitation, all enquiries shall be directed only to the USP Planning Department of the Commission via email at usp.planning@mcmc.gov.my
- 24.4. All relevant enquiries pertaining to this Invitation should reach the Commission on or before **12:00pm, 8 January 2025**.

25. OMISSIONS OR ERRORS

- 25.1. The Interested Licensee is advised to study all terms, conditions and specifications in this Invitation very carefully, make all necessary site surveys and seek necessary clarification before finalising its draft universal service plan under the USP Regulations.
- 25.2. The Interested Licensee shall be solely responsible for all such omissions/errors without any additional costs being chargeable to the Commission.

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APPENDIX 1 – LIST OF ATM CAMPS FOR THE INSTALLATION OF NETWORK FACILITIES FOR FIBRE-TO-THE-HOME (FTTH) INFRASTRUCTURE AND PROVISIONING OF FIXED BROADBAND ACCESS SERVICES

NO	CLUSTER	SITE ID	ATM CAMP	ESTIMATED NO. OF RKAT	STATE	UST	LATITUDE	LONGITUDE
1	C01	RKAT_001	KEM TAIPING	600	PERAK	ASAM KUMBANG	4.8566	100.7436
2	C01	RKAT_002	KEM IPOH	600	PERAK	HULU KINTA	4.6000	101.1032
3	C01	RKAT_003	TLDM LUMUT	5400	PERAK	LUMUT	4.2138	100.6189
4	C01	RKAT_004	AKADEMI TENTERA UDARA IPOH	200	PERAK	HULU KINTA	4.5649	101.1007
5	C01	RKAT_005	KEM TAPAH	200	PERAK	BATANG PADANG	4.2201	101.2801
6	C01	RKAT_006	CHOWDER	600	PERLIS	ORAN	6.4783	100.2662
7	C01	RKAT_007	SG ARA	400	PULAU PINANG	MUKIM 12 (BAYAN LEPAS)	5.3161	100.2697
8	C01	RKAT_008	BKT GEDONG	200	PULAU PINANG	MUKIM 12 (BAYAN LEPAS)	5.3112	100.2761
9	C01	RKAT_009	PU BUTTERWORTH	1000	PULAU PINANG	MUKIM 9	5.4596	100.3833
10	C01	RKAT_010	MAWILLA 3	400	KEDAH	KEDAWANG	6.2846	99.7721
11	C01	RKAT_011	6 RAMD	200	KEDAH	NAGA	6.2253	100.4184
12	C01	RKAT_012	KOLEJ TENTERA UDARA	600	KEDAH	BUKIT PINANG	6.1933	100.4082
13	C01	RKAT_013	KEM LAPANGAN TERBANG	1000	KEDAH	SUNGAI PETANI	5.6718	100.4898
14	C02	RKAT_014	MINDEF	6800	WP KUALA LUMPUR	SETAPAK	3.1764	101.7321

NO	CLUSTER	SITE ID	ATM CAMP	ESTIMATED NO. OF RKAT	STATE	UST	LATITUDE	LONGITUDE
15	C02	RKAT_015	SG.BESI	2000	WP KUALA LUMPUR	PETALING	3.0776	101.722
16	C02	RKAT_016	KEM WARDIEBURN	2000	WP KUALA LUMPUR	SETAPAK	3.2086	101.7251
17	C02	RKAT_017	KEM BATU KENTONMEN	400	WP KUALA LUMPUR	BATU	3.2171	101.6836
18	C02	RKAT_018	KEM PAYA JARAS	300	SELANGOR	SUNGAI BULOH	3.2051	101.5564
19	C02	RKAT_019	KEM SG.BULOH	400	SELANGOR	SUNGAI BULOH	3.2012	101.5728
20	C02	RKAT_020	KEM KAJANG	400	SELANGOR	SEMENYIH	2.9770	101.8196
21	C02	RKAT_021	PU SUBANG	3000	SELANGOR	DAMANSARA	3.1138	101.5435
22	C02	RKAT_022	PELABUHAN P.INDAH	200	SELANGOR	KLANG	2.9877	101.3493
23	C02	RKAT_023	INSMAT, TUDM KINRARA	400	SELANGOR	PETALING	3.0562	101.6443
24	C02	RKAT_024	PU JUGRA	400	SELANGOR	BANDAR	2.8239	101.4508
25	C03	RKAT_025	KEM DESA PAHLAWAN	1900	KELANTAN	MAHANG BARAT	5.9018	102.2354
26	C03	RKAT_026	KEM PANGKALAN CHEPA	400	KELANTAN	PENKALAN CHEPA	6.1721	102.2845
27	C03	RKAT_027	KEM TEMERLOH	400	PAHANG	MENTAKAB	3.4804	102.3788
28	C03	RKAT_028	KEM MENTAKAB	300	PAHANG	MENTAKAB	3.4576	102.3402
29	C03	RKAT_029	KEM MEMPAGA	200	PAHANG	SABAI	3.5411	102.0357
30	C03	RKAT_030	KEM BENTONG	200	PAHANG	BENTONG	3.5509	101.8918
31	C03	RKAT_031	KEM KUALA LIPIS	200	PAHANG	KUALA LIPIS	4.1815	102.0388
32	C03	RKAT_032	KEM BERA	400	PAHANG	BERA	3.205	102.4837

NO	CLUSTER	SITE ID	ATM CAMP	ESTIMATED NO. OF RKAT	STATE	UST	LATITUDE	LONGITUDE
33	C03	RKAT_033	MARKAS ANGKATAN BERSAMA	180	PAHANG	KUALA KUANTAN	3.7824	103.1827
34	C03	RKAT_034	TUDM BUKIT IBAM	200	PAHANG	KERATONG	3.1975	102.9762
35	C03	RKAT_035	TLDM TG. GELANG	700	PAHANG	SUNGAI KARANG	3.9661	103.4319
36	C03	RKAT_036	PU KUANTAN	1200	PAHANG	KUALA KUANTAN	3.766	103.2019
37	C03	RKAT_037	4 BRIGED	1200	PAHANG	KUALA KUANTAN	3.7612	103.1983
38	C03	RKAT_038	KEM BT 5	200	PAHANG	MENTAKAB	3.4963	102.2826
39	C03	RKAT_039	PU GONG KEDAK	500	TERENGGANU	BUKIT PUTERI	5.7918	102.4928
40	C03	RKAT_040	KEM SEBERANG TAKIR	300	TERENGGANU	KUALA NERUS	5.3750	103.1119
41	C04	RKAT_041	KEM ISKANDAR	800	JOHOR	JEMALUANG	2.3421	103.9103
42	C04	RKAT_042	KEM PULADA	100	JOHOR	KOTA TINGGI	1.6362	103.8312
43	C04	RKAT_043	KEM MAHKOTA	800	JOHOR	KLUANG	2.0463	103.3026
44	C04	RKAT_044	KEM TEBRAU	100	JOHOR	PLENTONG	1.5303	103.7845
45	C04	RKAT_045	KEM MAJIDEE 10 RAMD	200	JOHOR	SIMPANG KANAN	1.7987	102.9554
46	C04	RKAT_046	PULAREK	200	JOHOR	PENGERANG	1.3686	104.1005
47	C04	RKAT_047	KEM SEGAMAT	400	JOHOR	JEMENTAH	2.5647	102.7196
48	C04	RKAT_048	KEM MASJID TANAH	140	MELAKA	SUNGEI BARU ULU	2.3213	102.1399
49	C04	RKAT_049	KEM TERENDAK	4000	MELAKA	SUNGAI UDANG	2.2844	102.1049
50	C04	RKAT_050	KEM SG.UDANG	400	MELAKA	SUNGAI UDANG	2.2894	102.0912

NO	CLUSTER	SITE ID	ATM CAMP	ESTIMATED NO. OF RKAT	STATE	UST	LATITUDE	LONGITUDE
51	C04	RKAT_051	KEM RASAH	200	NEGERI SEMBILAN	BANDAR SEREMBAN	2.7053	101.945
52	C04	RKAT_052	15 RAMD SENAWANG	200	NEGERI SEMBILAN	AMPANGAN	2.6842	102.0001
53	C04	RKAT_053	KEM GEMAS	2500	NEGERI SEMBILAN	GEMAS	2.5421	102.5877
54	C04	RKAT_054	PORT DICKSON	2000	NEGERI SEMBILAN	SI RUSA	2.4964	101.8499
55	C04	RKAT_055	PU SENDAYAN	700	NEGERI SEMBILAN	LABU	2.6843	101.8614
56	C05	RKAT_056	PU LABUAN	1000	SABAH	LABUAN	5.2981	115.2573
57	C05	RKAT_057	KEM LOK KAWI	2000	SABAH	PUTATAN	5.8578	116.0448
58	C05	RKAT_058	TLDM KK	2000	SABAH	KOTA KINABALU	6.0897	116.1005
59	C05	RKAT_059	KEM KOTA BELUD	200	SABAH	KOTA BELUD	6.3653	116.469
60	C05	RKAT_060	KEM SANDAKAN	200	SABAH	SANDAKAN	5.8824	118.0697
61	C05	RKAT_061	TLDM SANDAKAN	300	SABAH	SANDAKAN	5.8373	118.1162
62	C05	RKAT_062	TLDM SEMPORNA	600	SABAH	SEMPORNA	4.4179	118.5771
63	C05	RKAT_063	KEM KUKUSAN	400	SABAH	TAWAU	4.273	117.8801
64	C05	RKAT_064	KEM KUBOTA	200	SABAH	TAWAU	4.2668	117.9205
65	C06	RKAT_065	KEM MUARA TUANG	400	SARAWAK	SAMARAHAN	1.4339	110.3865
66	C06	RKAT_066	KEM PENRINSEN	1000	SARAWAK	KUCHING	1.448	110.3234
67	C06	RKAT_067	KEM SEMENGGU	300	SARAWAK	KUCHING	1.4731	110.3376
68	C06	RKAT_068	PU KUCHING	400	SARAWAK	KUCHING	1.4729	110.3381

NO	CLUSTER	SITE ID	ATM CAMP	ESTIMATED NO. OF RKAT	STATE	UST	LATITUDE	LONGITUDE
69	C06	RKAT_069	KEM SRI AMAN	200	SARAWAK	SRI AMAN	1.1526	111.4781
70	C06	RKAT_070	KEM RASCOM	600	SARAWAK	SIBU	2.2972	111.9508
71	C06	RKAT_071	KEM OYA	300	SARAWAK	SIBU	2.2865	111.9873
72	C06	RKAT_072	KEM MIRI	200	SARAWAK	MIRI	4.3498	113.9873
73	C06	RKAT_073	TUDM SAMARAHAN	200	SARAWAK	SAMARAHAN	1.41234	110.40853

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APPENDIX 2 – REGISTRATION OF INTEREST FORM

[To be printed on Interested Licensee's Letterhead]

REGISTRATION OF INTEREST

To: **MALAYSIAN COMMUNICATIONS AND MULTIMEDIA COMMISSION**
MCMC Tower 1, Jalan Impact, Cyber 6
63000 Cyberjaya, Selangor
(Attention: Universal Service Provision Division)

Date:

Dear Sirs,

REGISTRATION OF INTEREST TO BE A UNIVERSAL SERVICE PROVIDER FOR THE INSTALLATION OF NETWORK FACILITIES FOR FIBRE-TO-THE-HOME (FTTH) INFRASTRUCTURE AND PROVISIONING OF FIXED BROADBAND ACCESS SERVICES AT RUMAH KELUARGA ANGKATAN TENTERA (RKAT) UNDER THE UNIVERSAL SERVICE PROVISION INITIATIVE

Reference is made to the above and to the "Invitation to Register Interest as a Universal Service Provider – Ref. no. SKMM(S)/USPD/UPD/200/Jld.1 (Invitation/RKAT-FTTH/2025) ("Invitation") issued by MCMC.

2. We hereby register our interest to be the Universal Service Provider pursuant to Regulation 5(1) of the Communications and Multimedia (Universal Service Provision) Regulations 2002 ("USP Regulations") in the Universal Service Targets specified below:

- a) Cluster No. xx
- b) Cluster No. xx

3. In compliance with the requirements stipulated under the Communications and Multimedia Act 1998 and its subsidiary regulations, we provide below a detailed list of the licences currently held by our organisation.

- a) Network Facilities Provider (NFP(I)) : [Specify Licence No.]
- b) Network Service Provider (NSP(I)) : [Specify Licence No.]
- c) Applications Service Provider (ASP(C)) : [Specify Licence No.]

4. We are also aware that pursuant to regulation 6(1) of the USP Regulations, we are legally obliged to submit the draft universal service plan(s) for the Universal Service Target on or before the time frame specified in the Invitation.

Signed for and on behalf of

[Company Stamp]

.....
(Signature)

by *[to be signed by the Chief Executive Officer or a person who holds an equivalent designation in the Interested Licensee]*

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APPENDIX 3 – TECHNICAL DETAILS

Scope of draft universal service plan for Part 1

SECTION A: EXECUTIVE SUMMARY FOR CLUSTER NO.

- Overview of the technical details
- Organisation chart – Project team and manpower

SECTION B: PROPOSED NETWORK TOPOLOGY FOR CLUSTER NO.

- Overview of the passive network infrastructure design, location of common access manhole, interconnection, and others (please specify clearly)

SECTION C: TECHNICAL DETAILS FOR CLUSTER NO.

NO	DESCRIPTION	QUANTITY
	A. CIVIL, MECHANICAL AND ELECTRICAL (CME)	
	Material: 1) HDD- manhole, HDPE duct pipe, nylon rope 2) Open Cut - manhole, concrete encase, PVC slab, PVC duct	
1.	Civil Works - Engineering Services (HDD & Open Cut) HDD - 1) Excavation of entry and exit holes. Boring of pilot drilling. Reaming of the drilled hole. Arrange and install HDPE duct pipe. 2) Joint HDPE duct pipe to the existing duct. 3) Mobilisation/demobilisation (all temporary works including shoring work for manholes or deep excavation, diversion etc). 4) Install nylon rope into the duct. OPEN CUT 1) Construction of duct-way using PVC duct with concrete backfill sand carriageway. Protection of backfilling materials. 2) Pilot holes and excavation, concrete encase. Backfilling with sand until road base. Laying of PVC slab. 3) Installation of temporary duct plug until time of acceptance testing. 4) Reinstatement/resurface or milling the road as per instruction by local authority.	
	HDD 2 WAY HDPE DUCT PN10 1) Supply of materials, including HDPE conduits, chemical fluid/liquid, and all necessary materials to complete the work. 2) Preparation prior to work execution at the site. To comply with OSH, AKS and any related guidelines. 3) Site survey & site preparation 4) Mobilisation of HDD machine and any necessary tools and test gear to complete the work. 5) Excavation of pilot hole (start and end point of HDD) 6) Perform pilot boring/drilling 7) Perform reaming activity up to a suitable diameter based on the	

<p>number of ways. 8) Arrange and pull HDPE conduit, perform joint HDPE conduit using a suitable method 9) Installing draw rope in each duct way, cleansing of work site 10) Demobilisation 11) Testing & commissioning</p>	
<p>OPEN CUT & Duct (Min 2-way) 1) Supply & construction of a minimum 2 Duct-Way using PVC Duct or GI Duct with or without concrete backfill sand in grass or carriageway with minimum depth of 1220mm. 2) Site preparation, place road warning signs and comply with OSH requirements, marking out, protection of backfilling materials, pilot holes and excavation. 3) Installation of temporary duct plug until time of acceptance testing. 4) Make good.</p>	
<p>SUPPLY & INSTALL IRON POLE 1) Supply & install iron pole in all types of surfaces. 2) Install safety sign & OSH requirements, marking out the route and pole 3) Excavating, painting and erecting the pole, fitting base plate & surface plate, backfilling and ramming. 4) Install pole bracket on pole (clamp pole) 5) Install GI Pipe or HDPE riser 50/100mm to iron pole 6) Backfilling, and reinstatement 7) Site clearance, make good & transportation</p>	
<p>SUPPLY & INSTALL CONCRETE POLE 1) Supply & install concrete pole in all types of surfaces. 2) Install safety sign & OSH requirements, marking out the route and pole 3) Excavating, painting and erecting the pole, fitting base plate & surface plate, backfilling and ramming. 4) Install pole bracket on pole (clamp pole) 5) Install GI Pipe or HDPE riser 50/100mm to concrete pole 6) Backfilling, and reinstatement. 7) Site clearance, make good & transportation.</p>	
<p>SUPPLY & INSTALL MANHOLE 1) Site preparation, place road warning signs and comply with OSH requirements 2) Marking out, pilot holes, excavation, 150mm sand bedding 3) Load/unload pre-fab manhole from the lorry into the excavated pit 4) Installation of manhole body, manhole slab, frame and cover. 5) Backfill with sand around the manhole 50mm thickness, testing for acceptance. 6) Make good.</p>	

	<p>UDM WORKS</p> <p>1) To provide & submit UDM report & HDD profile for wayleave approval.</p> <p>2) To provide & submit UDM report after HDD works are completed (as built at site).</p> <p>3) Performed detailed investigation of any available records, plans, and maps of existing utilities at the area.</p> <p>4) Formal report and inventory, detailing all ground proofs, subsurface features, and utilities found.</p>	
	B. PASSIVE ELEMENT	
	FTTH (EXCHANGE SIDE)	
	Materials - vertical cabling, horizontal cabling & Fibre Termination Box (FTB), ODF & Splitter box	
	Equipment & Materials - ODF, FDC & Splitter Box	
	Optical Distribution Frame (ODF)	
	E/Side Fiber Optic Cable (km)	
	Engineering services	
	1) Installation of optical distribution frame (ODF).	
	2) Installation of main underground fibre optic cable via duct.	
	3) If needed, erect of aerial fibre optic cable on pole on the main fibre optic cable route.	
	4) Splicing and termination of fibre optic cable inside the ODF and also in closure jointing.	
	5) Testing of main FOC using OTDR/Power Meter.	
2.	FTTH (DISTRIBUTION SIDE)	
	Equipment & Materials - FDC, FDP & FOC	
	Fibre Distribution Cabinet (FDC)	
	Fibre Distribution Point (FDP)	
	D/Side Fiber Optic Cable (FOC) (km)	
	Engineering services	
	1) Construction of FDC plinth.	
	2) Installation of fibre distribution cabinet. Installation of pipe from FDC plinth to the nearest manhole.	
	3) Installation of underground fibre optic cable (spur) from main cable to FDC.	
	4) Splicing and termination fibre optic cable (spur) inside the FDC. Erect of aerial fibre optic cable from FDC via pole or installation of underground fibre optic cable via duct from FDC. Splicing and termination of fibre optic cable inside the FDC.	
	5) Installation of FDP whether on pole or underground inside manhole or on plinth or wall mounted (e.g shoplots).	
	6) Testing of FDP, OTDR	
	Materials - vertical cabling, horizontal cabling & Fibre Termination Box (FTB), Splitter Box & FWS	

	<p>Vertical Cabling (Supply& Install) A minimum of 2 cores for each premises 1) Cable run vertically inside riser to every floor 2) Proper trucking or ducting 3) Buffer/extra cores for maintenance purposes Floor/horizontal FTB at each floor</p>	
	<p>Horizontal cabling (supply & install) A minimum of 2 cores for each premises terminated at Fiber Wall Socket (FWS) The cabling for horizontal fibre cabling should be secured through the following: 1) Exposed wall or surface ducting or trucking; 2) Concealed ducting inside the wall; 3) Concealed ducting under the floor; or Conduit ducting through the ceiling</p>	
	<p>Fiber Termination Box (FTB) (supply & install) 1) Main FTB at Telecommunication Room (TR) or agreed space by BM 2) Direct splice or standard SC/UPC or SC/APC connector pre-connected to every housing unit Proper trucking or ducting</p>	
	<p>Splitter Box Install a 1:4 splitter at the Building MDF and a 1:16 splitter on each floor. 1) Install splitters at the Building MDF. 2) Tag each core for open access. 3) Install floor splitters and tag "Core Assignment."</p>	
	<p>Engineering services 1) Design, planning and installation of vertical, horizontal cabling and FIB with termination for every housing unit 2) Testing & commissioning E2E from Main ODF to FWS.</p>	

SECTION D: IMPLEMENTATION TIMELINE

- Detailed implementation timeline – Gantt Chart

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Scope of draft universal service plan for Part 2

SECTION A: EXECUTIVE SUMMARY FOR CLUSTER NO. #

- Overview of the technical details
- Organisation chart – Project team and manpower

SECTION B: PROPOSED NETWORK TOPOLOGY FOR CLUSTER NO. #

- Overview of the overall network design, others (please specify clearly)

SECTION C: TECHNICAL DETAILS FOR CLUSTER NO. #

NO	DESCRIPTION	QUANTITY
1.	A. CIVIL, MECHANICAL AND ELECTRICAL (CME)	
	Material: 1) HDD- manhole, HDPE duct pipe, nylon rope 2) Open Cut - manhole, concrete encase, PVC slab, PVC duct	
	Engineering Services (HDD & Open Cut) HDD - Excavation of entry and exit hole. Boring of pilot drilling. Reaming of drilled hole. Arrange and install HDPE duct pipe. 1) Joint HDPE duct pipe to the existing duct. 2) Mobilisation/demobilisation (all temporary works including shoring work for manholes or deep excavation, diversion etc). 3) Install nylon rope into duct. OPEN CUT 1) Construction of duct-way using PVC duct with concrete backfill sand carriageway. Protection of backfilling materials. 2) Pilot holes and excavation, concrete encase. Backfilling with sand until road base. Laying of PVC slab. 3) Installation of temporary duct plug until time of acceptance testing. 4) Reinstatement/resurface or milling the road as per instruction by local authority.	
HDD 2 WAY HDPE DUCT PN10 1) Supply of materials, including HDPE conduits, chemical fluid/liquid, and all necessary materials to complete the work. 2) Preparation prior work execution at site. To comply with OSH, AKS and any related guidelines. 3) Site survey & site preparation 4) Mobilisation of HDD machine and any necessary tools and test gear to complete the work. 5) Excavation of pilot hole (start and end point of HDD) 6) Perform pilot boring/drilling 7) Perform reaming activity up to a suitable diameter based on the number of ways. 8) Arrange and pull HDPE conduit, perform joint HDPE conduit using suitable method 9) Installing draw rope in each duct way, cleansing of work site 10) Demobilisation 11) Testing & Commissioning		

	<p>OPEN CUT & Duct (Min 2-way)</p> <ol style="list-style-type: none"> 1) Supply & Construction of minimum 2 Duct-Way using PVC Duct or GI Duct with or without concrete backfill sand in grass or carriageway with minimum depth of 1220mm. 2) Site preparation, place road warning signs and comply with OSH requirements, marking out, protection of backfilling materials, pilot holes and excavation. 3) Installation of temporary duct plug until time of acceptance testing. 4) Make good. 	
	<p>SUPPLY & INSTALL IRON POLE</p> <ol style="list-style-type: none"> 1) Supply & install iron pole in all types of surfaces. 2) Install safety sign & OSH requirements, marking out the route and pole 3) Excavating, painting and erecting the pole, fitting base plate & surface plate, backfilling and ramming. 4) Install pole bracket on pole (clamp pole) 5) Install GI Pipe or HDPE riser 50/100mm to iron pole 6) Backfilling, and reinstatement 7) Site clearance, make good & transportation 	
	<p>SUPPLY & INSTALL CONCRETE POLE</p> <ol style="list-style-type: none"> 1) Supply & install concrete pole in all types of surfaces. 2) Install safety sign & OSH requirements, marking out the route and pole 3) Excavating, painting and erecting the pole, fitting base plate & surface plate, backfilling and ramming. 4) Install pole bracket on pole (clamp pole) 5) Install GI Pipe or HDPE riser 50/100mm to concrete pole 6) Backfilling, and reinstatement 7) Site clearance, make good & transportation 	
	<p>SUPPLY & INSTALL MANHOLE</p> <ol style="list-style-type: none"> 1) Site preparation, place road warning signs and comply with OSH requirements 2) Marking out, pilot holes, excavation, 150mm sand bedding 3) Load/unload pre-fab manhole from the lorry into the excavated pit 4) Installation of manhole body, manhole slab, frame and cover. 5) Backfill with sand around the manhole 50mm thickness, testing for acceptance. 6) Make good. 	
	<p>UDM WORKS</p> <ol style="list-style-type: none"> 1) To provide & submit UDM report & HDD profile for wayleave approval. 2) To provide & submit UDM report after HDD works completed (as built at site). 3) Performed detailed investigation of any available records, plans, and maps of existing utilities at the area. 4) Formal report and inventory, detailing all ground proofs, subsurface features, and utilities found. 	

	<p>WAYLEAVE APPLICATION Preparing for Wayleave Applications to PBT 1) Overhead cables: Cables suspended on poles or structures. 2) Underground cables: Cables buried beneath the ground.</p>	
	B. ACTIVE ELEMENT	
2.	<p>Equipments & Materials - OLT, plinth and cabinet</p> <p>Engineering Services - - Installation & configuration of OLT at the MDF Centralised Room. - Connect with the ODF at the MDF Centralized Room. Indoor OLT 1) Installation of OLT rack, shelf and cards 2) Laying of power cable from OLT to power source 3) Power up of OLT 4) Patch Cord patching from ODF to Metro Ethernet or Fibre Distribution Frame 4) OLT configuration Outdoor OLT 1) Construction of OLT outdoor plinth 2) Installation of OLT outdoor cabinet 3) Pulling of fibre optic cable from the nearest manhole and terminating inside OLT outdoor 4) Laying of power cable and ground cable to nearest power cabinet. 5) OLT configuration</p>	
	C. SERVICE PROVISIONING	
3.	<p>Equipment & Materials – ONU, wireless router, ethernet cable, fibre patch cord</p> <p>Engineering services - 1) Installation fibre patch cord from FWS to ONU 2) Verification of signal reception 3) Connection ONT to wireless router 4) Configuration of equipment 5) Testing ONT signal strength and router connectivity</p>	

SECTION D: IMPLEMENTATION TIMELINE

- Detailed implementation timeline – Gantt Chart

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APPENDIX 4 – FINANCIAL DETAILS

A. Summary of Capital Expenditure (CAPEX) for Part 1

- All prices shall be inclusive of any applicable tax, fees and levy imposed by the Government.
- The table in **Appendix 3** in this Invitation shall be replicated, with an added column for the cost in Ringgit Malaysia for each component.
- The Interested Licensee shall submit the following table:

Cluster: _____

NO.	SITE ID	ATM CAMP	ESTIMATED NO. OF RKAT	STATE	INITIAL PLANNING / SURVEY (A)	CME (B)	PASSIVE ELEMENT (C)	TOTAL (RM) = (A)+(B)+(C)
1								
2								
GRAND TOTAL								

B. Summary of Capital Expenditure (CAPEX) for Part 2

- All prices shall be inclusive of any applicable tax, fees and levy imposed by the Government.
- The table in **Appendix 3** in this Invitation shall be replicated, with an added column for the cost in Ringgit Malaysia for each component.
- The Interested Licensee shall submit the following table:

Cluster: _____

NO.	SITE ID	ATM CAMP	ESTIMATED NO. OF RKAT	STATE	INITIAL PLANNING / SURVEY (A)	CME (B)	ACTIVE ELEMENT (C)	SERVICE PROVISIONING (D)	TOTAL (RM) = (A)+(B)+(C) +(D)
1									
2									
GRAND TOTAL									

Signed for and on behalf of

.....
 by [to be signed by the Chief Executive Officer or a person who holds an equivalent designation in the Interested Licensee]

IMPORTANT NOTE:

1. All pages of the Financial Details of the draft universal service plan shall be duly initialed and affixed with the company rubber stamp of the Interested Licensee.
2. **The Interested Licensee shall submit a detailed BOQ for each category as proposed in Technical and Financial Details, to be itemised explicitly and clearly for each cluster.**

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APPENDIX 5 – LICENSEE’S INFORMATION

1. A certified true copy of NFP(I) licence – for **Part 1**.
2. A certified true copy of NFP(I), NSP(I), and ASP(C) licence(s) – for **Part 2**.
3. A certified true copy of the latest corporate information issued by the Companies Commission of Malaysia namely SSM e-info, which includes, but is not limited to the following information:
 - a) Company name and company registration number;
 - b) Date of incorporation;
 - c) Registered and business address;
 - d) Total issued capital (RM);
 - e) Directors and shareholders; and
 - f) Summary of financial information.
4. A certified true copy of a valid CIDB certificate.
5. A certified true copy of “SURAT KEBENARAN PEMASANGAN FIBER OPTIK DI DALAM KEM ATM” from BSEP/ATM for **Part 1**.
6. A brief write-up of the interested licensee's track record and experience installing network facilities inside the ATM camps for **Part 1**.
7. Identity of collaboration partner (third party, if applicable).
8. Number of employees and project team to undertake this Project.
9. A certified true copy of audited accounts for the past three (3) consecutive financial years respectively.
10. The interested Licensee’s track record in handling previous USP project(s) or similar project(s) (please specify the projects, scope of work and delivery timelines, if relevant) as shown in the table below:

NO.	USP PROJECT	ROLE PLAYED	SCOPE OF WORK	DELIVERY TIMELINE
1.		<i>e.g: DUSP / subcontractor</i>		

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APPENDIX 6 – CLAIM SCHEDULE

All claims shall be made pursuant to the USP Regulations and shall be based on the relevant percentage of progress and the fulfilment of the conditions stipulated below:

A. Claim schedule for Part 1

Milestone No.	Claim (%)	Description	Conditions
Capital Expenditure (“CAPEX”)			
1.	10	Advance Claim	Submission of a written claim(s) shall be in the form and format specified by the Commission, and shall be made upon: a) Receipt of DUSP’s acceptance of the Notification of Approval; and b) Acceptance of the Performance Bond by the Commission.
2.	80	Progress Claim	Submission of a written claim(s) shall be in the form and format specified by the Commission and shall be made upon the Work is completed and notified to Part 2 DUSP via a written notification specified in subparagraph 4.1.8, which shall be signified through the submission of the Declaration.
3.	10	Final Claim	Submission of a written claim(s) shall be in the form and format specified by the Commission and shall be made 6 months AFTER the submission of the Declaration of the site being available for use by the end user, is received by the Commission. The submission of the final claim(s) shall also be accompanied by a declaration of an external licenced auditor appointed by the DUSP at its own cost to certify that the Work has been delivered and that all claims made have been verified to be accurate and true.
Total	100		

B. Claim schedule for Part 2

Milestone No.	Claim (%)	Description	Conditions
Capital Expenditure (“CAPEX”)			
1.	10	Advance Claim	Submission of a written claim(s) shall be in the form and format specified by the Commission, and shall be made upon: a) Receipt of DUSP’s acceptance of the Notification of Approval; and b) Acceptance of the Performance Bond by the Commission.
2.	80	Progress Claim	Submission of a written claim(s) shall be in the form and format specified by the Commission and shall be upon an end-to-end fibre optic network infrastructure and services at RKAT being declared RFS to the Commission and available for subscription and use by the end-user, which shall be signified through the submission of the Declaration.
3.	10	Final Claim	Submission of a written claim(s) shall be in the form and format specified by the Commission and shall be made 6 months AFTER the submission of the Declaration of the site being available for use by the end user, is received by the Commission. The submission of the final claim(s) shall also be accompanied by a declaration of an external licenced auditor appointed by the DUSP at its own cost to certify that the Work has been delivered and that all claims made have been verified to be accurate and true.
Total	100		

Milestone No.	Claim (%)	Description	Conditions
Operational Expenditure (“OPEX”)			
4.	100	Payment Claim [throughout the period of six (6) month Operational Period]	Submission of the quarterly claim(s) and/or yearly claim(s) shall be in the form and format specified by the Commission and accompanied by a Declaration made by the DUSP.

Note:

The Commission reserves the right to verify the written claim(s) for each RKAT in the USTs specified in **Appendix 1** of this Invitation, submitted by the DUSP pursuant to the USP Regulations, prior to making any payments, and the verification made by the Commission shall be final.

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