

MTSFB PUBLIC ENGAGEMENT 2021

29 September 2021, Wednesday

Presenter: Mr Eami Yusri (Maxis)

Title: Minor Communications Infrastructure

No	Name/ Organisation	Question / Comment	Answer captured in the event
1.	Mohd Nasim Mohd Redzuan (MCMC)	Hi panelist. I have question. With the specs and dimension of the mci u have mention just now, is it possible for multiple operator sharing 1 mci structure? Is there any network design suitable for multiple operator sharing 1 MCI?	<p>Mr Norzalee: The MCI infrastructure can be shared with other operators. However, it is limited to only 1 equipment for each operator. For example, A Street lighting with the maximum height of 18 m, the operator can share their network with other operators for the coverage.</p> <p>It is not recommended to share multiple MCI equipment from different network operator since the MCI is using small cabinet.</p>
2.	Farabi Yusoff (PlanMalaysia)	I didn't see any Local Governments or city administrator agencies being involved in the development of TC and it's biased to the industry players. From my understanding, this TC should be read with GPP IBK. It's important for stakeholders from the city administrator side to be involved as they are one of the stakeholders that will be using this in the MCI overall process regardless of design, planning, and implementation.	<p>Mr Yusry: There is no direct involvement by Local Council during the TC development but the RNF WG has worked closely with MCMC. For your information, MCMC is developing the GP IBK which the relevant input related to the definition and design criteria has has been discussed with local councils i.e. Perbadanan Putrajaya, MPPP, MPSP and DBKL.</p> <p>Ms Raihan: The development of GP IBK has started since early 2020. Few PBTs have been approached for input and ideas on the principle of MCI to differentiate between the current guideline and GP IBK. At the moment, the consultation session with Penang, Seberang Perai, DBKL, Putrajaya and MP Sepang for the guideline is still ongoing to look into the principle and how it can be implemented across the states.</p>

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			<p>Mr Ratnam: There is a wide coverage in term of liaison with the various regulatory and authorities. The industry players have often met with authorities. The engagement is still on-going and open for any input from all.</p>
3.	Farabi Yusoff (PlanMalaysia)	<p>What is the “thin line” that differentiates this TC from GPP IBK by MCMC that is under drafting?</p>	<p>Mr Raihan: GP IBK will outline the definition and principal of MCI which cover on the principal and governance whereby, TC on MCI will detail out the specification of MCI to be installed and implemented technically.</p> <p>Mr Rohaizad: There is very minimal difference between GP IBK and TC MCI since the TC will follow whatever GP IBK has been defined. In TC we have emphasis more on technical requirement and specification so that it can be easily refers by the industry.</p>
4.	Farabi Yusoff (PLANMalaysia)	<p>As an urban planner, my concern is for aesthetic values that are very tangible or intangible based on different perspectives. Despite this TC touch the importance of the aesthetic value, however, this need to be look/study at a different type of cities especially cities that categorised as Special Feature Town (Heritage Town) as they have more stringent in urban design guidelines. Bandar Diraja (Kuala Kangsar, Klang) may have different guidelines to Melaka, Taiping & Penang (Bandar Warisan/Historic) as we didn't MCIs will be a new 'visual pollution' in the future. I hope the process already take into account.</p>	<p>Mr Rohaizad: Every State and Local Councils have their own policies and requirements to safeguard their interest. Despite having the TC MCI, the operator still requires to follow the state and local councils' guidelines to minimise the obvious equipment appearance to the public. TC will serve as a reference to follow through by the players however the operator understands that they are required to follow any other regulation imposed by states and local councils. For example, most of local councils instructed the operator to camouflage their equipment.</p> <p>Mr Ratnam: During the WG discussion, this matter has been raised many times that it is very important for operators to look at the aesthetic value. The MTSFB 001:2009 Technical Standard and Infrastructure Requirements: Radiocommunications Network Infrastructure (External) developed by the WG in 2009, has put a lot of effort on the</p>

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			aesthetic. The WG will take the input into consideration and customise according to the city and types.
5.	Mohd Nasim Mohd Redzuan (MCMC)	Can we know what is current market trend of manufacturer co. Especially for antenna and equipment design. Is the size become smaller and compact?	Mr Norzalee: Looking at the current market trend right now which is going for 5G, the antenna size dimension is becoming smaller either equal or less than 1 m. Normally no changes of the equipment size as it depends on the spectrum to be used by operators based on their planning. More spectrum used will require a larger size of equipment. In conclusion, there are no changes of the equipment size but there will be a smaller and compact antenna inclusive of RRU for 5G.
6.	Ratnam	What type of in-building site installation falls under MCI categories?	Mr Norzalee: For an in-building site, if the operator is using 0.6 or 600 mm microwave attached to the building facade and follows the design principle in MCI, it is considered as part of MCI. Even though IBC is using omni or directional antenna is less than 1 m, it should fall under the MCI category.
7.	Ratnam	How will MCI TC help to improve overall coverage?	Mr Rohaizad: When we drafted TC, we hope that the Local Council and state can differentiate between Macro sites, Micro sites and small cell design and features requirement, so that they can revise their process and permitting fee to expedite the overall process for the site to be up. The process should be aligned with the TC and GP IBK in order consumer to enjoy better coverage by improving the process of getting up the infrastructure fast which can benefit to consumers to get a better coverage.

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			Mr Rohaizad: The process needs to be inline with the new TC and follow the GP IBK. to expedite the process of setting up the infrastructure.
8.	Ratnam	What are the objective of MCI in achieving the aspiration of MYDigital?	<p>Ms Raihan: The intention of MCMC developing the GP IBK is to be used as a reference by local council in identifying the application of communications installation submitted at PBT level is categorised as MCI structure. Thus PBT will expedite the approval through a simplified process.</p> <p>The purpose of MCI structure are to provide concentration coverage, improve quality of service and user experience. MCI structure also is part of digital infrastructure readiness in welcoming new technology such as 5G. In achieving the aspiration of MyDigital, the MCI infrastructure would support the JENDELA initiative in achieving the mobile speed broadband at 35 MBPS by 2022 and it is also observed 100 MBPS to be achieved within RMK 12 plan.</p>
9.	Ratnam	How can MCI TC expedite the 5G rollout?	Mr Yusri: It is important to understand the guideline, select the right design and site candidate for getting faster approval by the council. The GP IBK and TC MCI must be read together and will be used as references by the local council in future. The treatment such as fees structure, checklist and OSA will be different. MTSFB hopes that this guideline will be considered for adoption by the respective local council.
10.	Ratnam	Since TC MCI is a subset of the national guideline for GP IBK, when will GP IBK be implemented at the State level?	Mr Yusri: MTSFB target to complete the MCI TC by December this year. The GP will be released by MCMC by the end of this year. By next year we will start the roadshow to introduce the GP IBK. In fact MCMC has already started their roadshow by trying

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			<p>to get input and feedback for the GP IBK to some states and local councils. Generally the feedback received shows that they are very supportive of the idea.</p> <p>Ms Raihan: The GP IBK is still under development by MCMC which is targeted to be approved by management by the end of this year. Once approved, MCMC planned to bring the GP IBK further for the next level of approval from Majlis Negara bagi Kerajaan Tempatan (MNKT). Advice from Jabatan Kerajaan Tempatan and PLANMalaysia are necessary to strategies the adoption process at PBT level.</p> <p>Mr Ratnam: There are 2 different guidelines which compliment each other and develop concurrently to get both documents deployed and implemented. A series of roadshows will be done once both documents are approved and to be presented again at the state level.</p>

Q&A Session End
