**3GPP SA WG2 Meeting #156**  **S2-230xxxx**

**eMeeting, April 17th – 21st, 2023**

**Source: OPPO**

**Title: Member Selection Terminology Discussions**

**Document for: Endorsed**

**Agenda Item: 9.9.2**

**Work Item / Release: AIMLsys**

*Abstract of the contribution: This paper collects companies’ inputs to finalize the decision for the terminology of the Member Selection.*

# 1. Discussion

This paper collects companies’ inputs to finalize the decision for the terminology of Member Selection.

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| **Proposed Term** | **Considerations/Justifications** | **Supporting Compan(ies)** | **Non supporting companies** |
| Member-Client Selection | AIMLsys is intended for 5GC to provide assistance for the 3rd party Application AI/ML operation to select one of its application clients to participate in the operation at the application layer.  The proposed term can easily be extended to support also non-AIML application operation. |  | Ericsson.  Reason: The term is redundant. Both member and client appear in the same term.  ZTE> Agree with Ericsson  Samsung  MediaTek  CMCC  Verizon |
| Multi-endpoint Selection |  | Ericsson. It will also depend on the definition, considerations/justification | InterDigital & DCM: an “endpoint” is a well-defined term indicating a termination point in routing. Using it here confuses its meaning  ZTE, Verizon > Agree with InterDigital&DCM  MediaTek  CMCC  Nokia  OPPO  Verizon |
| Multi-Client Selection |  | Ericsson. It will also depend on the definition, considerations/justification  Samsung: it may require update of the services names | MediaTek  CMCC  Nokia  OPPO |
| UE-Member Selection | The member selection is used to select the candidate UE by NEF essentially. And the UE will be joining the AIML operation as a member. Therefore, UE-member selection is clearer.  The name does not have to or even should not contain all the details of its functionality. This functionality is fundamentally defined to provide a list of UEs that can be selected as member UEs by the AF. Thus UE-member selection is intuitive and appropriate to be used as the name.  The name could be general and clear for the reader to understand and capture in mind. It seems no issue since it has the different context comparing with the other feature or use case when people are reviewing the 3GPP specification. Therefore, UE-member selection can be the preferable term to be used as the name. | CATT, Mediatek, Nokia, China Mobile, LG Electronics, vivo, Samsung, China Unicom，INSPUR, ZTE, OPPO  Reason: we support avoiding terminology changes previously agreed in SA2. | Ericsson (ok with the term, but not with the definition).  Reason: Points out to a specific operation. NEF does not know how the AF will use the list of UEs in our view.  Orange  DCM  InterDigital: InterDigital: We think the 5GC selects a UE, not a member of a process outside its scope. |
| Member-UE Selection | The member selection is used to select the candidate UE by NEF, based on the AF inputs.  Same as the UE-member selection. If UE-member will cause some misunderstanding that it is the UE’s member. Then, change it to the Member-UE selection is better. It will mean to select the UE as member to join in the AIML operation.  With the same reason as provided for UE-Member Selection, this name is also fine or even better for clarity than UE-Member.  Having the same reason as provided for UE-Member Selection, either of UE-Member Selection or Member-UE Selection is acceptable. | CATT, Mediatek, Nokia, China Mobile, LG Electronics, vivo, Qualcomm, ETRI, InterDigital, DCM, Intel, China Unicom,INSPUR, ZTE, OPPO | Ericsson (ok with the term, but not with the definition).  Reason: Points out to a specific operation. NEF does not know how the AF will use the list of UEs in our view.  Samsung: ‘Member-UE’ seems to wrongly imply this is a specific type of UE, yet it is the selection of a UE by the AF that makes it become a member |
| Application-Participant UE Selection | This is a generic service (not only for AIML operations) for assisting AF to select a set of UEs who will participate in an application layer operation (either as client or server). So, the term needs to explicitly indicates that a set of UEs will be selected to participate in an application. | DCM | Ericsson  Reason: The term points out point to specific applications or operations.  Samsung  MediaTek  CMCC  OPPO |
| UE selection | Simple terminology applicable to both multiple AI/ML operations that do not require a ‘member’ as well as services other than AI/ML-based that do require selection/filtering of UEs | LG Electronics, Qualcomm, ETRI, Ericsson, Orange, InterDigital, Samsung, Verizon  Reason: The term is independent of how the AF will use the list of UEs. | CMCC, CATT，INSPUR |
| Client Selection | Same reasoning as UE selection, replacing ‘UE’ with ‘Client’ | Ericsson,  Samsung: it may require update of the services names | MediaTek  CMCC  OPPO |
| Network assisted Multi-Client Selection | The network should be unaware of whether the AF is selecting member for a FL operation or any other procedure. As such, the selected term should not contain “member”.  It is also network assisted, as the AF provides a set of clients, and the network provides a subset of those. | Ericsson | MediaTek  CMCC  OPPO |
| Network assisted Multi-endpoint Selection | Same reasoning as for Network assisted Multi-Client Selection. | Ericsson | InterDigital & DCM: an “endpoint” is a well-defined term indicating a termination point in routing. Using it here confuses its meaning  ZTE, Verizon > Agree with InterDigital&DCM  MediaTek  CMCC  OPPO |
| Federation member selection |  | Orange | Reason: The term points out to specific operations.  MediaTek  CMCC  OPPO |

# 2 Agreement

**END OF CHANGES**