Issues for Consultation on RINGING DURATION

Q. 1. Can the arbitrary value of TRinging impacts consumer experience? Please give your views with detailed justifications.

RESPONSE : Yes it impact the consumer experience. But if the TRinging is reasonable and takes care of at least 98% terminating calls the consumer experience is acceptable. Gradually remaining 2% of the consumers adepts and modifies their behaviour.

Q. 2. How to discover the appropriate values of TRinging from customer's perspective? What may be the guidelines to be followed when configuring specific values of relevant timers in the originating and terminating networks to achieve TRinging? Please give your views with detailed justifications

RESPONSE : It should be based on real data of terminating calls such 98% of calls are answered. Gradually remaining 2% of the consumers adepts and modifies their behaviour. For these 2% of consumers the resources should not be blocked. Even for these 2% consumers there is option to call back.

Q. 3. Is there a requirement to configure values of timers related to ringing in a uniform manner across the networks or is there also a requirement to maintain additional time margins for the timer in the originating network with respect to the typical values of timer configured in the terminating networks? Please suggest typical values for TRinging along with supporting data and explain with detailed justifications.

RESPONSE: Yes we need standardisation of timer value. This will help both the operators and consumers. The consumers will be ready to accept the call within the prescribed time.

Q. 4. Whether customers need to be offered options to change or modify the duration of ringing time particularly for them? If yes what should be the typical range of values within which one can set the values and what should be the granularity to make such a change? To modify values, What procedure is suggested to be followed by the customer to make such changes? Please give your views with detailed justifications.

RESPONSE : The options to the consumers will seriously complicate and not needed now.

Q. 5. How to discover the appropriate values of percentage of calls that can be force released by the network i.e. value of CREL, which may be acceptable in general from customer's perspective? How this value affects with the changes in value of the TRinging? Please suggest typical values for CREL along with supporting data and explain with detailed justifications.

RESPONSE : It should be based 98% of terminating answered within the time (excluding the calling party initiated termination). 20 seconds is a reasonable time based on observation.

Q. 6. How the impact on the utilization of different types of telecommunication resources such as radio spectrum, point of interconnect etc. may be assessed due to the change in the values of timers, related to duration of ringing, configured at originating network or at terminating network? Please provide details of computation methodology to make such assessment along with supporting data to justify the suggested value of TRinging.

RESPONSE : RINGING ERLANG can be analysed for the purpose.

Q. 7. Whether networks can be adaptive by utilizing Artificial Intelligence (AI) and Machine Learning (ML) techniques to discover appropriate value of ringing duration specific to a subscriber or class of

subscriber? Whether networks can also differentiate commercial calls from normal calls from the perspective of ringing duration? Please provide inputs and give your views with detailed justifications.

RESPONSE : In future yes.

Q. 8. Any other issue which is relevant to this subject?