Huawei's input on the Draft BEREC Guidelines on the Implementation of the Open Internet Regulation

Huawei welcomes the opportunity to provide its input on the Draft BEREC Guidelines on the Implementation of the Open Internet Regulation (hereinafter referred to as the ***"Draft Guidelines"***).

Short description of Huawei's input on the Draft Guidelines

While we agree with recital 16 of the Draft Guidelines, nevertheless we invite BEREC to clarify that IPv6 should be encouraged extensively by national competent authorities with a view to enabling end users to acquire future-proof investments while renovating and reconfiguring their network/services. We believe that IPv6 together with all IETF protocol evolutions secure the achievement of the goals pursued by the Draft Guidelines and, hence, should be the target evolution for all ISPs.

As regards recital 84 of the Draft Guidelines on the need to block IP addresses, our understanding is that this objective could be achieved by using IPv6 which is not the case with IPv4 because having multiple users using a single public IPv4 (due to Network Addressing Translation mechanism) entails many practical difficulties to achieve this target.

As regards recital 110 of the Draft Guidelines, we would like to draw BEREC's attention to the fact that IPv6 and SRv6 allow to create e2e flow extended beyond the MPLS capability restricted to the core network. Thus, the goal of achieving a special service which is logically separated from the traffic of the IAS could be more easily attained with IPv6.

As regards recital 113 of the Draft Guidelines, we would like to emphasize that the logical separation of the resources dedicated to services like *"remote surgery"* or *"unmanned industry"* are well suited for e2e SRv6 based flow connectivity that enables a better use of resources fulfilling the SLA of both "special services" and of IAS.

As regards recital 130 of the Draft Guidelines, the ISP has to provide the state of the art technologies enabling to monitor and report the offered QoS. We consider that SRv6 flow routing and dedicated per flow monitoring mechanism to fulfil optimally the recital 130 requirements aimed at monitoring of end user performance and providing a real time and accurate report of the provided QoS.

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