**Draft new Recommendation ITU-T Q.5001 (ex. Q.IEC-REQ),**

**Signalling requirements and architecture of intelligent edge computing**

**Summary**

A huge volume of data has been generated from the various smart things. Lots of smart services have been working based on cloud systems. However, the network bottleneck between terminals and a cloud system has incurred various issues (e.g., data loss, network delay, etc.). An edge computing technology between user equipment and cloud server system is attracted to solve these problems. In addition, applying the intelligent data processing functions by providing AI technologies will provide enhanced networking capabilities for new emerging services and applications.

Regarding these emerging environments, this Recommendation defines the intelligent edge computing. It is applicable to collect, store, and process data reliably in the intelligent edge computing, especially to support mission critical services. Thus, the main functionality of intelligent edge computing is collecting, processing, analysing the data and providing the values based on intelligent data processing.

This Recommendation specifies use cases, signalling requirements and an architecture of intelligent edge computing.

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