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Mobile Edge Computing vs. Multi-Access Edge Computing

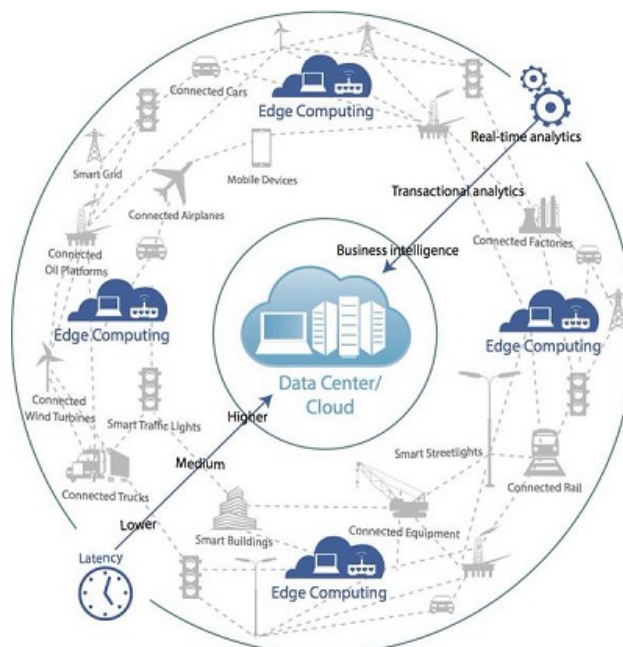
The acronym MEC is used interchangeably to stand for mobile edge computing or [multi-access edge computing](https://www.sdxcentral.com/edge/definitions/what-multi-access-edge-computing-mec/) (<https://www.sdxcentral.com/edge/definitions/what-multi-access-edge-computing-mec/>). What is the definition of mobile edge computing versus multi-access edge computing? The definition is the same for both terms with one small distinction that formed during the evolution of [MEC research](https://www.sdxcentral.com/edge/definitions/mec-research/) (<https://www.sdxcentral.com/edge/definitions/mec-research/>).

MEC computing refers to computing at the edge of a network. The edge is similar to a [distributed cloud](https://www.sdxcentral.com/edge/definitions/whats-the-difference-between-mec-and-distributed-cloud/) (<https://www.sdxcentral.com/edge/definitions/whats-the-difference-between-mec-and-distributed-cloud/>) with proximity close to the end user that delivers ultra-low latency, reliability, and scalability. When first conceptualized, the edge of a network meant the edge of a mobile network, hence the name mobile edge computing. As MEC research progressed, technology experts realized that the term leaves out several access points that may also construct the edge of a network. Thus, prompted the change from mobile edge computing to multi-access computing in order to reflect that the edge is not solely based on mobile networks.

In September 2017, the European Telecommunications Standards Institute ([ETSI](https://www.sdxcentral.com/nfv/definitions/etsi-isg-nfv/) (<https://www.sdxcentral.com/nfv/definitions/etsi-isg-nfv/>)) Industry Specification Group (ISG) [officially changed its name](http://www.etsi.org/images/files/ETSInewsletter/etsinewsletter-issue2-2017.pdf) (<http://www.etsi.org/images/files/ETSInewsletter/etsinewsletter-issue2-2017.pdf>) from Mobile Edge Computing ISG to [Multi-Access Edge Computing](https://www.sdxcentral.com/edge/) (<https://www.sdxcentral.com/edge/>) ISG to “to embrace the challenges in the second phase of work and better reflect non-cellular operators’ requirements.”

Tapping into the edge of a network elevates computing to handle the onslaught of connected devices, and it helps enterprises with their business-critical missions. Edge computing reduces latency to milliseconds and allows for constant connectivity. Plus, when the edge network experiences high traffic, the edge may offload data to [the cloud](https://www.sdxcentral.com/cloud/) (<https://www.sdxcentral.com/cloud/>) to maintain a quick and reliable connection.

Now that we’ve noted the difference in terminology between mobile edge computing versus multi-access computing, and discovered that the “correct” name for MEC is multi-access edge computing, we’ll cover where the edge is it located. Let’s review the types of access points currently in use, and the ones envisioned for the near-future computing.



(<https://www.promptcloud.com/blog/big-data-processing->

[edge-computing\)](#)

Source: PromptCloud

The Access Points that Create the Edge in MEC:

The access point is typically one hop away from the user. The access point can be either of these items to establish the network edge:

- Base Stations, including mobile base stations, cell towers, central office base stations
- [RAN \(https://www.sdxcentral.com/5g/definitions/radio-access-network/\)](https://www.sdxcentral.com/5g/definitions/radio-access-network/) for LTE/[5G \(https://www.sdxcentral.com/5g/\)](https://www.sdxcentral.com/5g/)
- Radio network controller for WiFi
- Cable modem termination systems (CMTS) for cable
- PON OLT for fiber or the access points for other networks such as Zigbee, CBRS, LoRA, DSL, MuLTEfire, private LTE.
- Hot spots
- Small cells
- Data centers (and micro-data centers)
- Routers
- Switches
- WiFi access points

CHANNELS

Additional Mobile Edge Computing vs. Multi-Access Edge Computing Resources

[OpenEdge Computing \(http://openedgecomputing.org/\)](http://openedgecomputing.org/)

[What is Multi-Access Edge Computing? \(https://www.sdxcentral.com/edge/definitions/what-multi-access-edge-computing-mec/\)](https://www.sdxcentral.com/edge/definitions/what-multi-access-edge-computing-mec/)

[What are the MEC Standards? A Quick Review \(https://www.sdxcentral.com/edge/definitions/mec-standards/\)](https://www.sdxcentral.com/edge/definitions/mec-standards/)

[The Promise of Disruption: The MEC, 5G Impact on the Computing Landscape \(https://www.sdxcentral.com/edge/definitions/mec-5g/\)](https://www.sdxcentral.com/edge/definitions/mec-5g/)

Related Definitions

[Considerations for an Effective Multi-Cloud Strategy](#)

[IoT Spurs Huawei's Focus on MEC](#)

[Vapor IO Hones in On Edge Computing](#)

[What is Open Edge Initiative? MEC Research and Tests](#)

[What's the Difference between MEC and Fog Computing?](#)

[What are the MEC Standards? A Quick Review](#)
