



5G Vertical Engagement and Partnership Program

Why in News?

The Department of Telecommunications (DoT) has invited Expression of Interest (EoI) for “**5G Vertical Engagement and Partnership Program (VEPP)**” initiative to build strong collaboration partnerships across **5G Use-case ecosystem stakeholders**.

What is 5G Technology?

- 5G is the 5th generation mobile network. It is a new global wireless standard after 1G, 2G, 3G, and 4G networks.
- It enables a new kind of network that is designed to connect virtually everyone and everything together including machines, objects, and devices.
- Internet speeds in the high-band spectrum of 5G has been tested to be as high as 20 Gbps (gigabits per second), while, in most cases, the maximum internet data speed in 4G has been recorded at 1 Gbps.

What is 5G VEPP?

▪ About:

- It is an Initiative, where the DoT will “facilitate necessary approvals, regulatory clearances **to enable use case prototyping, pilots, demos, trials at the user or vertical industry premises**”.
- The DoT will facilitate access to experimental spectrum, access to testbeds and engagement with academia, other ministries for necessary regulatory policies and pilots wherever feasible.
- The technology stakeholders, which agree to be a part of the partnership will work to develop and deploy prototypes and pilots for 5G use cases as per the needs of the respective ministries or industry verticals to help accelerate commercial usage and adoption by enterprises.

▪ Objectives:

- It **seeks to build strong collaboration partnerships** across 5G Use-case ecosystem stakeholders with velocity and with an exclusive emphasis to address User/Vertical Industry needs.

▪ Significance:

- It will **enable close collaboration between User verticals and 5G Tech stakeholders** (Service providers, Solution providers & partner Original Equipment Manufacturers), which can trigger a multiplier effect to try & finetune 5G digital solutions in respective economic verticals.

Source: IE

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