

Defence
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Iranian Defense Ministry Unveils New Land-Based Positioning System


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TEHRAN (FNA)- The Iranian Defense Ministry on Sunday unveiled a home-made Land-Based Positioning System with applications in different military, aviation and navigation industries.

“Positioning is one of the principles of military operation in the air, on land and on the sea,” Defense Minister Brigadier General Hossein Dehqan said, addressing the ceremony held at Tehran's Malek Ashtar University today to mark unveiling the system.

He underlined that positioning has also applications in non-military fields, including road and rail transportation, aviation, navigation, construction and mapping.

Elaborating on the performance of the Land-Based Positioning System, Dehqan said, “Using this method, the positioning signals are transmitted through radio transmitting stations located on land and those interested will find their position with some levels of accuracy by receiving radio signals.”

“The Land-Based Positioning System is formed of numerous subsystems and technologies, including powerful transmitters, antennas, and mechanisms for concurrent transmission (both send and receive) at the speed of nano-seconds,” he added.

Based on the remarks by the Iranian defense minister, the Land-Based Positioning System is completely different with the Global Positioning System (GPS) which is a space-based satellite navigation system.

The GPS provides location and time information in all weather conditions, anywhere on or near the Earth where there is an unobstructed line of sight to four or more GPS satellites. The system provides critical capabilities to military, civil and commercial users around the world. It is maintained by the US government and is freely accessible to anyone with a GPS receiver.