THE ROLE AND PLACE OF GLOBAL SATELLITE NAVIGATION SYSTEMS IN THE TRANSPORT PROCESS

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In the current infrastructure of the road traffic, the daedals play an important role in geoinformation and GPS_technologies, which already today give the opportunity to provide security for non-intermediate participants in the road traffic and all the lands covered by transport systems with the necessary operational space-hours. The global satellite positioning system "Navstar" (NAVSTAR - Navigation Satellite Providing Time And Range) or in short - GPS (Global Positioning System) allows you to quickly determine the coordinates of the location of rukhomi objects practically in any place on the earth - what time, and geoinformation systems (GIS) will ensure the transfer of objects on electronic maps, modeling and planning of traffic flows, monitoring and monitoring of transport systems in the space of that hour.

On the basis of GPS, GIS, modern communication and telecommunication services in the most distant countries of the world, for a long time, dozens of years have been created and developed intelligent transport systems (ITS).

Components and functions of modern transport and navigation global information systems GIS.

On-board navigation systems are designated for GPS navigation of land transport facilities and are equipped with different components: GPS receiver or integrated platform (GPS receiver and inertial system) for determining the coordinates of the location of the transport vehicle, directly and directly and quickly; on-board microcomputer with GIS for programing the route and informational support of the water for the hour of traffic for the selected route; get a mobile connection to exchange data with the dispatch center and other services of the transport system. At the simplest zastosuvanni zasobiv GPS-navigation vodiy mizhmiskogo vantage trailer chi the car to the manager, may be able to send a miniature antenna and GPS_receiver with a digital display of the navigatsiy prilad rozmirom zapisnichka, to indicate the coordinates of your trip station.

Integration of GPS-receivers with an on-board computer, equipped with software tools of a geoinformation system, giving the ability to display the location of roaming objects on an electronic map, plot a route, constantly follow the coordinate of the type of display on that screen voice recommendations for possible maneuvers for optimal flow along the selected route. On the electronic maps of the country of the European Union, the USA and Canada, 99% of all streets and avenues, addresses, road infrastructure and social services are listed. Cars GIS proponoyut for the

selection of the mov interface - among them sound two English (British and US), Ugrian, Polish. You can also choose a voice suprovid like in different moves, so in a different voice.

Electronic maps on the display of the on-board computer are shaped like a classic one, and in 3D, which is more convenient in Russian at transport junctions.

Remapping and scaling of cards is required to do it quickly. Available different color schemes of the road infrastructure. It is even more important that different systems of road signs are adopted in different lands, so you can install that scheme, which is the same for water, or it is the most optimal for this country. GIS automates the laying of the route, for which it is sufficient to indicate the end point of the road and the GIS negligently develops the optimal route. In case of violations of the route (for example, the manager skipped a turn or a rozvyazku), the system will quickly cross the route and then supervise the route along the new route.

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