

Proposed role of Russian Education Centre in constituted world GNSS centers network

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Modules of Distant Learning System



GNSS history, principles and structure, projects

Methods, navigation signals, data transmission protocols

Differential systems, integrity, control methods

Consumer equipment, particularly the implementation of real-time measurements, communications

Coordinate-time operation of the GNSS

Construction of geodesic networks and special-purpose

Global, regional and local geodynamics

Organization of field work in cadastral surveys, geodetic software inventory

Geodetic work in land management

GNSS use in the underground work and work carried out in quarries

The use of GNSS in rail and road transport

Use of satellite navigation equipment in intelligent transportation systems

GNSS applications in modern on-board navigation systems

GNSS applications to improve safety, productivity and quality of transport

Creation of digital navigation maps

The introduction of ICAO CNS / ATM in civil aviation

The use of GNSS for geodetic support the construction and operation

of aerodromes

The use of GNSS to control unmanned aerial vehicles

GLONASS/GNSS-oriented technologies (ADS, TAWS, TCAS, RVSM)

GLONASS/GNSS equipment in avionics

The use of GNSS to perform tasks in building and managing construction machinery

Monitoring of the deformations of engineering structures

Use of GNSS in laying pipelines, taking the bottom topography and underground utilities

Goniometric navigation equipment for operational control during construction and operation

GNSS applications in the mining industry







Universal multimedia platform

Multimedia is highly perspective in specialists learning





International School on Satellite Navigation



Additional learning in basics of satellite navigation, its perspectives and applications

Students: specialists of organizations witch use GNSS







2011: Course «Satellite navigation technologies and its applications" 30 students 2012: Course «Practical use of integrated GNSS and Remote Sensing data», 56 students





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Summary: proposals for the WG C recommendations



Support the cooperation of learning centers of different countries (UN-affiliated and independent) due to develop and fulfill the learning courses and facilities

Recommend to leading universities witch take initiatives in international education, to cooperate with ICG assistance due to provide consumers of different countries equal opportunities in access to learning courses, tools and facilities, as well as relevant information on GNSS technologies and it's applications

Activate the work under the Curriculum on GNSS with coordination of WG C



Thank you for your attention!

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