
Federal State Unitary Enterprise
Russian Science And Research Institute Of Space Device Engineering
**Russian Multilevel Training System Of Specialists In Satellite Navigation**

<table>
<thead>
<tr>
<th>After-school</th>
<th>Specialists Training In Universities</th>
<th>Professional Development</th>
<th>Professional Development Of High Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moscow College of Space Device Engineering</td>
<td>Specialized classes and departments in MAI, MATI, MIPT, MIIGAIK, MSTU n.a. N.E. Bauman, etc; Laboratories of companies: «Topcon», «JAVAD NAVIGATION SYSTEMS», KB «Navis» in universities and enterprises: RNII KP, Khrunichev SRPSC. Use of scientific and technical capacities of enterprises for training</td>
<td>Centres of skill development in universities: MAI, MIIGAIK, MSTU n.a. N.E. Bauman, etc. Retraining courses; educational lectures, international seminars</td>
<td>Academic councils in: RNII KP, MSTU n.a. N.E. Bauman, VKA n.a. A.F. Mozhayski foreign and abroad specialists training</td>
</tr>
</tbody>
</table>

**RUSSIAN EDUCATIONAL SYSTEM**

Modern educational system of Russia provides comprehensive training in space navigation systems
Russian Universities With Distant Learning Facilities

- Petrozavodsk University
- MSTU n.a. N.E. Bauman
- Institute of Electronic Technology
- Peoples' Friendship University
- Central Institute of Aviation Motors
- MAI

- Moscow State University
- Samara State Aerospace University
- Penza University
- Tambov Technical University
- Tomsk University
- Far Eastern National University
- Novosibirsk State University
- Siberian State Aerospace University n.a. M.F. Reshetnev

Distance Learning System in Russia covers a vast territory: ample opportunity for the dissemination of information on GNSS!
Russian Regional Education Centre: Background

- Rich experience in training specialists in satellite navigation
- Long-term success history of building and applying GNSS technologies
- Significant state financial support
- Increasing interest of the business community to the development of GNSS
Regional Centres
For Space Science And Technology Education

Russia is interested in disseminating information on GNSS and is ready to fill the blank spot on the map of UN Regional Educational Centers.
Integration of Russian Regional Education Centre into the ICG system will improve dissemination of information on GNSS!
Russian Regional Centre Creation: Main Policy

Financing sources
- UN educational programs
- Russia's federal and regional programs
- paid educational courses

ROSCOSMOS

RUSSIAN REGIONAL CENTRE
FGUP RNIIKP

RGRTU
Siberian State Aerospace University
MIIGAiK
MAI
MSTU n.a. N.E. Bauman
Moscow State University

Russian Regional Centre will offer flexible conditions and various forms of trainings including distance learning
Training Fields Assumed In Russian Regional Centre

GNSS Status And Development

Applications Of Navigation Technologies in geodesy, transport, house-building

GNSS applications management
Learning Process Arrangement
In Russian Regional Education Centre

- Identifying needs in specialists training
- Development and choose of curricula and training tools
- Recruitment of teachers
- Distant learning
- Results: certification

Informational-Analytical Complex for monitoring the requirements for specialists

Russian Regional Education Centre
Prospective Distant Learning
In Russian Regional Centre

REGIONAL EDUCATION CENTRE

- Informational-Analytical Complex (IAC) monitoring the requirements for specialists

INTERACTIVE LEARNING SYSTEM

- Educational materials
- Multimedia educational courses
- Methodical educational complexes

University departments
- Teachers

Students from all countries
Equipment developers
- Russian and foreign GNSS specialists

certificates
Conclusion

Curricula of distance learning allow to offer flexible training scheme for specialists from various countries.

Integration of Russian Regional Education Centre into the ICG system will improve:
- dissemination of information on GNSS all over Russia and CIS countries
- expand curriculum of educational ICG system
- training system of specialists in GNSS

Founded Russian Regional Education Centre will expand international cooperation in education and training in satellite navigation.
Thank you for your attention!

Contact: brindikova@rniikp.ru