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# Software and information complex for automated compilation of digital topographic maps (SIC "Compilation-C")

COUNTRY OF ORIGIN	IDENTIFIER	PUBLISHED	LAST UPDATE	DEADLINE
Belarus	BO5417	2022-08-10	2022-08-10	

## Linked profile in other language

[Программно-информационный комплекс автоматизированного составления цифровых топографических карт \(ПИК "Составление-Ц"\)](#)

## Responsible

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## Summary

The United Institute of Informatics Problems offers consumers a software and information complex for the automated compilation of digital topographic maps (SIC "Compilation-C") under a license agreement.

## Description

SIC "Compilation-C" is designed to create topographic maps of derivative scales 1:25,000, 1:50,000, 1:100,000, 1:200,000, 1:500,000 and 1:1,000,000 according to the base scale of topographic map 1: 10,000 using methods of cartographic generalization of digital maps.

SIC "Compilation-C" allows you to solve the following functional tasks:

- \* loading and unloading of digital topographic maps in SXF and F20S formats,
- \* control of input, intermediate and output products,
- \* automated compilation of digital topographic maps of a derivative scale,
- \* editing digital topographic maps,
- \* preparation of control compilation copies of digital maps and their printing,
- \* logging of digital information processing processes.

## Advantages and Innovations

SIC "Compilation-C" provides a level of automation (60% and more) of the processes of compiling digital maps, which significantly increases labor productivity and reduces the time spent on updating topographic maps of the entire scale range.

## Stage of development

Already on the market

### **Comments regarding stage of development**

SIC "Compilation-C" was transferred to industrial operation at the state enterprise "Belgeodeziya".

### **Funding source**

State budgeted

Internal

### **IPR status**

Copyright

### **Sector group**

ICT Industry & Services

## CLIENT INFORMATION

### **Type and size of client**

R&D institution

### **Year established**

1965

### **NACE keywords**

J.62.0 - Computer programming, consultancy and related activities

J.62.02 - Computer consultancy activities

M.72.19 - Other research and experimental development on natural sciences and engineering

### **Turnover (in EUR)**

10-20M

### **Already engaged in transnational cooperation**

Yes

### **Additional comments**

The United Institute of Informatics Problems of the National Academy of Sciences of Belarus is the leading organization in Belarus in fundamental and applied research on information technologies: CAD/CAM/CAE systems, applied mathematics, high performance parallel computing, bioinformatics and medical informatics, geoinformation systems, digital cartographic systems, Space informatics, GRID technologies. The institute is the provider of scientific and educational Internet networks in Belarus. It takes part in state recommendations on information technologies implementation, scientific support of informatization processes, prognosis in related science and technology fields in Belarus, high skill specialists training.

Main directions of research:

- Computer aided design, manufacturing and engineering (CAD/CAM/CAE)
- Processing and recognition of signals, images and speech
- Space and remote sensing data processing, geoinformation systems

- Input-output of video and graphical information
- Operations research and discrete optimization
- Information security
- Decision making support systems
- Bio- and medical informatics
- Computer networks and telematics applications
- Supercomputer systems and applications, parallel computing, GRID technologies
- Information retrieval systems.

The Institute cooperates with foreign universities, research centers and organizations in the field of informatics, actively participates in the implementation of joint international projects and programs.

## Languages spoken

Russian

## INFORMATION ABOUT PARTNERSHIP

### Type of partnership considered

License agreement

### Type and role of partner sought

Consumers interested in purchasing a software and information complex for automated compilation of digital topographic maps (SIC "Compilation-C") under a license agreement.

### Type and size of partner sought

University

## ATTACHMENTS

[TO2617.jpg](#)

