

## Appendix-9

### Questionnaire for Technology Transfer

- Ground Control Point Survey
- Field Verification
- Aerial Triangulation & Digital Plotting
- Digital Compilation
- Map Symbolization
- GIS/Data Structurization

## Ground Control Point Survey

## Technology Transfer Program on GCPs (Ground Control Points) Survey

JICA Study Team

June 2011

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. Name: Bolohan Iu

2. Do you understand the purpose / work-flow of GCPs survey?

Yes       No       Somewhat       No idea

3. Please rank your knowledge about GCPs survey?

Excellent       Good       Fair       Negligible

4. Can you explain the difference between ellipsoid height and elevation?

Yes       No       Somewhat       No idea

5. Have you ever carried out GCPs survey?

Yes       No

If "Yes", please answer the followings:

5.1. When did you carry out it?

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5.2. What kind of materials and equipments did you use?

For Example: LEICA GX1230.....

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**5.3. What was the target map scale?**

*For Example: For 1/5,000 scale mapping*

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**5.4. What did you pay the attention during it?**

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**6. Have you ever carried out leveling work?**

Yes       No

**7. Have you undertaken baseline analysis or calculated net adjustment?**

Yes       No       Somewhat       No idea

**8. Do you know of limiting values in surveying? Do you understand these?**

Yes       No       Somewhat       No idea

**9. Which sea is the mean sea surface that is the standard for elevation?**

Adriatic sea       Black sea       Baltic sea       No idea

**10. When GPS static surveying, which has the highest measurement precision?**

Long survey period; Short survey interval  
 Long survey period and interval  
 Short survey period and interval  
 No idea

**11. What should we be most careful of when GPS surveying?**

Weather       Obstacles       Line of sight to other point       No idea

**12. Do you know how many permanent GPS stations are there in Moldova?**

Yes       No       Somewhat       No idea

13. Could you give one example what should be done for quality control of GCPs survey if you know?

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14. What do you wish to learn through this Project?

*Everything possible.*

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15. If you have any requests to the Study Team, feel free to describe them.

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*Thank You Very Much for Your Cooperation*

## Technology Transfer Program on GCPs (Ground Control Points) Survey

JICA Study Team

June 2011

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. **Name:** Bolohan Ion

2. **Do you understand the purpose / work-flow of GCPs survey?**

Yes       No       Somewhat       No idea

3. **Please rank your knowledge about GCPs survey?**

Excellent       Good       Fair       Negligible

4. **Can you explain the difference between ellipsoid height and elevation?**

Yes       No       Somewhat       No idea

5. **Have you ever carried out GCPs survey?**

Yes       No

If "Yes", please answer the followings:

5.1. **When did you carry out it?**

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5.2. **What kind of materials and equipments did you use?**

*For Example: LEICA GX1230.....*

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**5.3. What was the target map scale?**

*For Example: For 1/5,000 scale mapping*

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**5.4. What did you pay the attention during it?**

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**6. Have you ever carried out leveling work?**

Yes

No

**7. Have you undertaken baseline analysis or calculated net adjustment?**

Yes

No

Somewhat

No idea

**8. Do you know of limiting values in surveying? Do you understand these?**

Yes

No

Somewhat

No idea

**9. Which sea is the mean sea surface that is the standard for elevation?**

Adriatic sea

Black sea

Baltic sea

No idea

**10. When GPS static surveying, which has the highest measurement precision?**

Long survey period; Short survey interval

Long survey period and interval

Short survey period and interval

No idea

**11. What should we be most careful of when GPS surveying?**

Weather

Obstacles

Line of sight to other point

No idea

**12. Do you know how many permanent GPS stations are there in Moldova?**

- Yes       No       Somewhat       No idea

**13. Could you give one example what should be done for quality control of GCPs survey if you know?**

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**14. What do you wish to learn through this Project?**

Everything possible

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**15. If you have any requests to the Study Team, feel free to describe them.**

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*Thank You Very Much for Your Cooperation*



## Technology Transfer Program on GCPs (Ground Control Points) Survey

JICA Study Team

June 2011

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. Name: Diana Ivan

2. Do you understand the purpose / work-flow of GCPs survey?

Yes       No       Somewhat       No idea

3. Please rank your knowledge about GCPs survey?

Excellent       Good       Fair       Negligible

4. Can you explain the difference between ellipsoid height and elevation?

Yes       No       Somewhat       No idea

5. Have you ever carried out GCPs survey?

Yes       No

If "Yes", please answer the followings:

5.1. When did you carry out it?

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5.2. What kind of materials and equipments did you use?

*For Example: LEICA GXI230.....*

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**5.3. What was the target map scale?**

*For Example: For 1/5,000 scale mapping*

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**5.4. What did you pay the attention during it?**

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**6. Have you ever carried out leveling work?**

- Yes       No

**7. Have you undertaken baseline analysis or calculated net adjustment?**

- Yes       No       Somewhat       No idea

**8. Do you know of limiting values in surveying? Do you understand these?**

- Yes       No       Somewhat       No idea

**9. Which sea is the mean sea surface that is the standard for elevation?**

- Adriatic sea       Black sea       Baltic sea       No idea

**10. When GPS static surveying, which has the highest measurement precision?**

- Long survey period; Short survey interval  
 Long survey period and interval  
 Short survey period and interval  
 No idea

**11. What should we be most careful of when GPS surveying?**

- Weather       Obstacles       Line of sight to other point       No idea

**12. Do you know how many permanent GPS stations are there in Moldova?**

Yes

No

Somewhat

No idea

13. Could you give one example what should be done for quality control of GCPs survey if you know?

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14. What do you wish to learn through this Project?

*How to prepare a map*

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15. If you have any requests to the Study Team, feel free to describe them.

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*Thank You Very Much for Your Cooperation*

## Technology Transfer Program on GCPs (Ground Control Points) Survey

JICA Study Team

June 2011

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. Name:       Danii Ivan      

2. Do you understand the purpose / work-flow of GCPs survey?

Yes             No             Somewhat             No idea

3. Please rank your knowledge about GCPs survey?

Excellent         Good             Fair             Negligible

4. Can you explain the difference between ellipsoid height and elevation?

Yes             No             Somewhat             No idea

5. Have you ever carried out GCPs survey?

Yes             No

If "Yes", please answer the followings:

5.1. When did you carry out it?

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5.2. What kind of materials and equipments did you use?

*For Example: LEICA GX1230.....*

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**5.3. What was the target map scale?**

*For Example: For 1/5,000 scale mapping*

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**5.4. What did you pay the attention during it?**

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**6. Have you ever carried out leveling work?**

Yes

No

**7. Have you undertaken baseline analysis or calculated net adjustment?**

Yes

No

Somewhat

No idea

**8. Do you know of limiting values in surveying? Do you understand these?**

Yes

No

Somewhat

No idea

**9. Which sea is the mean sea surface that is the standard for elevation?**

Adriatic sea

Black sea

Baltic sea

No idea

**10. When GPS static surveying, which has the highest measurement precision?**

Long survey period; Short survey interval

Long survey period and interval

Short survey period and interval

No idea

**11. What should we be most careful of when GPS surveying?**

Weather

Obstacles

Line of sight to other point

No idea

**12. Do you know how many permanent GPS stations are there in Moldova?**

- Yes       No       Somewhat       No idea

**13. Could you give one example what should be done for quality control of GCPs survey if you know?**

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**14. What do you wish to learn through this Project?**

How to create a map

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**15. If you have any requests to the Study Team, feel free to describe them.**

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*Thank You Very Much for Your Cooperation*

## Technology Transfer Program on GCPs (Ground Control Points) Survey

JICA Study Team

June 2011

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. Name: Vladimir Mihov

2. Do you understand the purpose / work-flow of GCPs survey?

Yes       No       Somewhat       No idea

3. Please rank your knowledge about GCPs survey?

Excellent       Good       Fair       Negligible

4. Can you explain the difference between ellipsoid height and elevation?

Yes       No       Somewhat       No idea

5. Have you ever carried out GCPs survey?

Yes       No

If "Yes", please answer the followings:

5.1. When did you carry out it?

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5.2. What kind of materials and equipments did you use?

*For Example: LEICA GX1230....*

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**5.3. What was the target map scale?**

*For Example: For 1/5,000 scale mapping*

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**5.4. What did you pay the attention during it?**

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**6. Have you ever carried out leveling work?**

- Yes       No

**7. Have you undertaken baseline analysis or calculated net adjustment?**

- Yes       No       Somewhat       No idea

**8. Do you know of limiting values in surveying? Do you understand these?**

- Yes       No       Somewhat       No idea

**9. Which sea is the mean sea surface that is the standard for elevation?**

- Adriatic sea       Black sea       Baltic sea       No idea

**10. When GPS static surveying, which has the highest measurement precision?**

- Long survey period; Short survey interval  
 Long survey period and interval  
 Short survey period and interval  
 No idea

**11. What should we be most careful of when GPS surveying?**

- Weather       Obstacles       Line of sight to other point       No idea

**12. Do you know how many permanent GPS stations are there in Moldova?**



Yes       No       Somewhat       No idea

13. Could you give one example what should be done for quality control of GCPs survey if you know?

To follow specific rules and regulations, which will lead us to the best results

14. What do you wish to learn through this Project?

I would like to understand more and to strengthen my knowledge in our field

15. If you have any requests to the Study Team, feel free to describe them.

The most important, in my opinion, I'd like to wish you sincerely - successfully complete the project  
Thank you for your contributions.

*Thank You Very Much for Your Cooperation*

## Technology Transfer Program on GCPs (Ground Control Points) Survey

JICA Study Team

June 2011

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

---

1. **Name:** Vladimir Mihov

2. **Do you understand the purpose / work-flow of GCPs survey?**

Yes       No       Somewhat       No idea

3. **Please rank your knowledge about GCPs survey?**

Excellent       Good       Fair       Negligible

4. **Can you explain the difference between ellipsoid height and elevation?**

Yes       No       Somewhat       No idea

5. **Have you ever carried out GCPs survey?**

Yes       No

If "Yes", please answer the followings:

5.1. **When did you carry out it?**

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5.2. **What kind of materials and equipments did you use?**

For Example: LEICA GX1230.....

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**5.3. What was the target map scale?**

*For Example: For 1/5,000 scale mapping*

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**5.4. What did you pay the attention during it?**

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**6. Have you ever carried out leveling work?**

Yes

No

**7. Have you undertaken baseline analysis or calculated net adjustment?**

Yes

No

Somewhat

No idea

**8. Do you know of limiting values in surveying? Do you understand these?**

Yes

No

Somewhat

No idea

**9. Which sea is the mean sea surface that is the standard for elevation?**

Adriatic sea

Black sea

Baltic sea

No idea

**10. When GPS static surveying, which has the highest measurement precision?**

Long survey period; Short survey interval

Long survey period and interval

Short survey period and interval

No idea

**11. What should we be most careful of when GPS surveying?**

Weather

Obstacles

Line of sight to other point

No idea

**12. Do you know how many permanent GPS stations are there in Moldova?**

- Yes       No       Somewhat       No idea

**13. Could you give one example what should be done for quality control of GCPs survey if you know?**

We should follow specific rules and regulations, which will lead us to the best results  
\_\_\_\_\_  
\_\_\_\_\_

**14. What do you wish to learn through this Project?**

I would like to understand more and to strengthen my knowledge in the field  
\_\_\_\_\_  
\_\_\_\_\_

**15. If you have any requests to the Study Team, feel free to describe them.**

The most important, in my opinion, it's that I wish you sincerely a successfully complete of project. Thank you for your contribution.  
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\_\_\_\_\_

*Thank You Very Much for Your Cooperation*

## Technology Transfer Program on GCPs (Ground Control Points) Survey

JICA Study Team

June 2011

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. Name: Ion EREMIA

2. Do you understand the purpose / work-flow of GCPs survey?

Yes       No       Somewhat       No idea

3. Please rank your knowledge about GCPs survey?

Excellent       Good       Fair       Negligible

4. Can you explain the difference between ellipsoid height and elevation?

Yes       No       Somewhat       No idea

5. Have you ever carried out GCPs survey?

Yes       No

If "Yes", please answer the followings:

5.1. When did you carry out it?

---

5.2. What kind of materials and equipments did you use?

*For Example: LEICA GX1230.....*

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**5.3. What was the target map scale?**

*For Example: For 1/5,000 scale mapping*

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**5.4. What did you pay the attention during it?**

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**6. Have you ever carried out leveling work?**

- Yes       No

**7. Have you undertaken baseline analysis or calculated net adjustment?**

- Yes       No       Somewhat       No idea

**8. Do you know of limiting values in surveying? Do you understand these?**

- Yes       No       Somewhat       No idea

**9. Which sea is the mean sea surface that is the standard for elevation?**

- Adriatic sea       Black sea       Baltic sea       No idea

**10. When GPS static surveying, which has the highest measurement precision?**

- Long survey period: Short survey interval  
 Long survey period and interval  
 Short survey period and interval  
 No idea

**11. What should we be most careful of when GPS surveying?**

- Weather       Obstacles       Line of sight to other point       No idea

**12. Do you know how many permanent GPS stations are there in Moldova?**

Yes       No       Somewhat       No idea

13. Could you give one example what should be done for quality control of GCPs survey if you know?

No

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14. What do you wish to learn through this Project?

All about of creation maps. GCPs survey work. Field verification

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15. If you have any requests to the Study Team, feel free to describe them.

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*Thank You Very Much for Your Cooperation*

## Technology Transfer Program on GCPs (Ground Control Points) Survey

JICA Study Team

June 2011

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. **Name:** Ion Eremia

2. **Do you understand the purpose / work-flow of GCPs survey?**

Yes       No       Somewhat       No idea

3. **Please rank your knowledge about GCPs survey?**

Excellent       Good       Fair       Negligible

4. **Can you explain the difference between ellipsoid height and elevation?**

Yes       No       Somewhat       No idea

5. **Have you ever carried out GCPs survey?**

Yes       No

If "Yes", please answer the followings:

5.1. **When did you carry out it?**

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5.2. **What kind of materials and equipments did you use?**

For Example: LEICA GX1230.....

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**5.3. What was the target map scale?**

*For Example: For 1/5,000 scale mapping*

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**5.4. What did you pay the attention during it?**

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**6. Have you ever carried out leveling work?**

- Yes       No

**7. Have you undertaken baseline analysis or calculated net adjustment?**

- Yes       No       Somewhat       No idea

**8. Do you know of limiting values in surveying? Do you understand these?**

- Yes       No       Somewhat       No idea

**9. Which sea is the mean sea surface that is the standard for elevation?**

- Adriatic sea       Black sea       Baltic sea       No idea

**10. When GPS static surveying, which has the highest measurement precision?**

- Long survey period; Short survey interval  
 Long survey period and interval  
 Short survey period and interval  
 No idea

**11. What should we be most careful of when GPS surveying?**

- Weather       Obstacles       Line of sight to other point       No idea

**12. Do you know how many permanent GPS stations are there in Moldova?**

Yes

No

Somewhat

No idea

**13. Could you give one example what should be done for quality control of GCPs survey if you know?**

No

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**14. What do you wish to learn through this Project?**

All about of creation maps, GPS survey work, Field verification

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**15. If you have any requests to the Study Team, feel free to describe them.**

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*Thank You Very Much for Your Cooperation*

## Technology Transfer Program on GCPs (Ground Control Points) Survey

JICA Study Team

June 2011

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. Name: Nagurnee Constantin

2. Do you understand the purpose / work-flow of GCPs survey?

Yes       No       Somewhat       No idea

3. Please rank your knowledge about GCPs survey?

Excellent       Good       Fair       Negligible

4. Can you explain the difference between ellipsoid height and elevation?

Yes       No       Somewhat       No idea

5. Have you ever carried out GCPs survey?

Yes       No

If "Yes", please answer the followings:

5.1. When did you carry out it?

in 2008

5.2. What kind of materials and equipments did you use?

For Example: LEICA GX1230..... Don't remember

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**5.3. What was the target map scale?**

*For Example: For 1/5,000 scale mapping*

*20 - 40 pix resolution*

**5.4. What did you pay the attention during it?**

**6. Have you ever carried out leveling work?**

Yes       No

**7. Have you undertaken baseline analysis or calculated net adjustment?**

Yes       No       Somewhat       No idea

**8. Do you know of limiting values in surveying? Do you understand these?**

Yes       No       Somewhat       No idea

**9. Which sea is the mean sea surface that is the standard for elevation?**

Adriatic sea       Black sea       Baltic sea       No idea

**10. When GPS static surveying, which has the highest measurement precision?**

Long survey period; Short survey interval  
 Long survey period and interval  
 Short survey period and interval  
 No idea

**11. What should we be most careful of when GPS surveying?**

Weather       Obstacles       Line of sight to other point       No idea

**12. Do you know how many permanent GPS stations are there in Moldova?**

Yes       No       Somewhat       No idea

**13. Could you give one example what should be done for quality control of GCPs survey if you know?**

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**14. What do you wish to learn through this Project?**

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**15. If you have any requests to the Study Team, feel free to describe them.**

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*Thank You Very Much for Your Cooperation*

## Technology Transfer Program on GCPs (Ground Control Points) Survey

JICA Study Team

June 2011

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. **Name:** Nagorneac Constantin

2. **Do you understand the purpose / work-flow of GCPs survey?**

Yes       No       Somewhat       No idea

3. **Please rank your knowledge about GCPs survey?**

Excellent       Good       Fair       Negligible

4. **Can you explain the difference between ellipsoid height and elevation?**

Yes       No       Somewhat       No idea

5. **Have you ever carried out GCPs survey?**

Yes       No

If "Yes", please answer the followings:

5.1. **When did you carry out it?**

In 2008

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5.2. **What kind of materials and equipments did you use?**

For Example: LEICA GX1230..... Don't remember

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**5.3. What was the target map scale?**

*For Example: For 1/5,000 scale mapping*

20-40 pixel resolution

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**5.4. What did you pay the attention during it?**

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**6. Have you ever carried out leveling work?**

Yes       No

**7. Have you undertaken baseline analysis or calculated net adjustment?**

Yes       No       Somewhat       No idea

**8. Do you know of limiting values in surveying? Do you understand these?**

Yes       No       Somewhat       No idea

**9. Which sea is the mean sea surface that is the standard for elevation?**

Adriatic sea       Black sea       Baltic sea       No idea

**10. When GPS static surveying, which has the highest measurement precision?**

Long survey period; Short survey interval

Long survey period and interval

Short survey period and interval

No idea

**11. What should we be most careful of when GPS surveying?**

Weather       Obstacles       Line of sight to other point       No idea

**12. Do you know how many permanent GPS stations are there in Moldova?**

Yes

No

Somewhat

No idea

**13. Could you give one example what should be done for quality control of GCPs survey if you know?**

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**14. What do you wish to learn through this Project?**

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**15. If you have any requests to the Study Team, feel free to describe them.**

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*Thank You Very Much for Your Cooperation*



## Field Verification

## Program de Transferare a Tehnologiei pe Terenul de Verificare

Echipa de Studiu, JICA

Iunie 2011

### Informatie necesara pentru Evaluare

**Obiectivul:** Acest chestionar a fost intocmit pentru a intelege experienta si cunostintele Dumneavoastra inainte de a incepe Transferul de Tehnologie. Echipa de Studiu va lua in considerare rezultatul chestionarului, in scopul intocmirii continutului Transferului de Tehnologie.

1. Nume, Prenume BOLHAN ION

2. Organizatia Agentie Relatii Funciare si Cadastru

3. Functia indeplinita inspector coordonator

4. Gradul Academic masterat

5. Enumerati 3 responsabilitati ale Dneavoastra

- ① Răspund de ovidenta lucrurilor topografice executate
- ② Răspund de realizarea sarcinilor si functiilor Inspectoratului
- ③ Respect prevederile codului de conduită a funcționarului public

6. Ce nivel de engleza posedati?

- Excelent       Bun       Acceptabil       Neinsemnat

7. Sunteti in stare sa gasiti pe mapa amplasarea Dneavoastra in camp ?

- Da       Nu       Putin       Nu stiu

8. Cunoasteti sistemul de coordonate folosit in hartile topografice ale Moldovei?

- Da       Nu       Putin       Nu stiu

Daca ati selectat da, raspundeti la urmatoarele intrebari:

**8.1. Selectati sistemul de coordonate pe vechea harta topografica cu scara de  
1:50.000**

- Gauss Kruger ( Data orizontala: Plukov 1942, Elipsoid: Krasovsky)  
 TMM ( Data orizontala: ETRS89, Elipsoid: GRS 1980)  
 UTM ( Data orizontala: WGS84, Elipsoid: WGS84)

**8.2. Selectati sistemul de coordonate a hartii cu scara larga ( pana la 1:10.000) in  
Moldova**

- Gauss Kruger ( Data orizontala: Plukov 1942, Elipsoid: Krasovsky)  
 TMM ( Data orizontala: ETRS89, Elipsoid: GRS 1980)  
 UTM ( Data orizontala: WGS84, Elipsoid: WGS84)

**8.3. Selectati sistemul de coordonate a hartii cu scara mica (medie) in Moldova**

- Gauss Kruger ( Data orizontala: Plukov 1942, Elipsoid: Krasovsky)  
 TMM ( Data orizontala: ETRS89, Elipsoid: GRS 1980)  
 UTM ( Data orizontala: WGS84, Elipsoid: WGS84)

**9. Cunoasteti care este obiectivul verificarii terenului?**

- Da       Nu       Putin       Nu stiu

**10. Clasati cunostintele Dnevoastre despre lucrul pe terenul de verificare.**

- Excelent       Bun       Acceptabil       Neinsemnat

**11. Cunoasteti insemnatatea simbolurilor de pe harta, adoptate in Proiect?**

- Da       Nu       Putin       Nu stiu

**12. Ati efectuat vreodata verificarea terenului?**

- Da       Nu

Daca ati selectat da, raspundeti la urmatoarele intrebari:

**12.1 Cand ati efectuat?**

Cu o saptamana in urma.

12.2 Ce fel de materiale si echipament ati utilizat?

De exemplu: Handy GPS, harta topografica cu scara de 1/50.000.....

planul topografic 1:500  
GPS Trimble R6.

12.3 Care a fost scara "tinta" a hartii?

De exemplu: Scara de cartografiere de 1/5.000.....

1:500 ; 1:1000

12.4 La ce ati atras atentia in timpul verificarii terenului?

La corectitudinea semnelor topografice.  
La amplasarea tuturor obiectelor existente.  
sa fie in sistemul de coordonate MOC Decr 99

13. Ati citit "Ghidul de orientare" pentru verificarea terenului?

Da  Nu

14. Ce reprezinta Imm pe harta cu scara de 1/50.000 ?

5 m  50 m  500 m  Nu stiu

15. Daca verificarea terenului nu este efectuata, ce se va intampla?

Va fi imposibila trasarea  
 Va scadea precizia informatiei de pe harta  
 Nu conteaza  
 Nu stiu

16. Ce ar trebui sa se intreprinda, pentru a imbunatati calitatea controlului in timpul verificarii terenului ?

sa se verifice zone mai extinse  
in diferite locuri a republicii.

17. Ce ati dori sa invatati prin acest Proiect?

*Total.*

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18. Daca aveti anumite solicitari catre Echipa de Studiu, simtitiva liberi sa le  
descrieti.

*Mai multe Cereri practice.*

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*Va multumim mult pentru cooperarea Dumneavoastra*

## Technology Transfer Program on Field Verification

JICA Study Team

June 2011

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. **Name:** Bolohan Ion

2. **Organization:** ALRC

3. **Position:** Inspector Coordinator

4. **Academic Degree/Major Subject:** Master

5. **Please List Your Three Major Responsibilities.**

- 1 Responsible for taking evidence of executed topographic works
- 2 Responsible for realization of Inspector functions and tasks
- 3 Public coordinator

6. **What is your level of English?**

- Excellent     Good     Fair     Negligible

7. **Are you able to identify your own location on the map in the field?**

- Yes     No     Somewhat     No idea

8. **Do you know about the coordinate system used in topographic map of Moldova?**

- Yes     No     Somewhat     No idea

If “Yes”, please answer the followings:

**8.1. Please select the coordinate system of old 1/50,000 topographic map**

- Gauss Kruger (Horizontal Datum: Plukov1942, Ellipsoid: Krasovsky)
- TMM (Horizontal Datum: ETRS89, Ellipsoid: GRS 1980)
- UTM (Horizontal Datum: WGS84, Ellipsoid: WGS84)

**8.2. Please select the coordinate system of large (up to 1/10,000) sale map in Moldova**

- Gauss Kruger (Horizontal Datum: Plukov1942, Ellipsoid: Krasovsky)
- TMM (Horizontal Datum: ETRS89, Ellipsoid: GRS 1980)
- UTM (Horizontal Datum: WGS84, Ellipsoid: WGS84)

**8.3. Please select the coordinate system of small (medium) sale map in Moldova**

- Gauss Kruger (Horizontal Datum: Plukov1942, Ellipsoid: Krasovsky)
- TMM (Horizontal Datum: ETRS89, Ellipsoid: GRS 1980)
- UTM (Horizontal Datum: WGS84, Ellipsoid: WGS84)

**9. Do you understand the purpose / work-flow of field verification?**

- Yes       No       Somewhat       No idea

**10. Please rank your knowledge about field verification work?**

- Excellent       Good       Fair       Negligible

**11. Do you know the map symbol specification adopted in the Project?**

- Yes       No       Somewhat       No idea

**12. Have you ever carried out the field verification?**

- Yes       No

If “Yes”, please answer the followings:

**12.1. When did you carry out it?**

A week ago

**12.2. What kind of materials and equipments did you use?**

For Example: Handy GPS, 1/50,000 topographic map.....

Topographic scale 1:500; GPS, Trimble, RG

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**12.3. What was the target map scale?**

*For Example: For 1/5,000 scale mapping*

1: 500, 1:1000

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**12.4. What did you pay the attention during it?**

Accuracy of topographic signs.

Localization of existent objects

Dates of verification field should be put in the coordinate system MoldRef 99

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**13. Have you ever read the guideline for field verification?**

Yes

No

**14. What is 1mm on a 1/50,000 scale map?**

5m

50m

500m  No idea

**15. If field verification is not conducted, what will be happen?**

Impossible to plotting

Decreasing the accuracy of information on the map data

No matters

No idea

**16. Could you give one example what should be done for quality control of field verification if you know?**

Verification of fields in different extended places of Moldova

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**17. What do you wish to learn through this Project?**

Everything

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**18. If you have any requests to the Study Team, feel free to describe them.**

More practical works

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*Thank You Very Much for Your Cooperation*

## Technology Transfer Program on Field Verification

JICA Study Team

June 2011

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. Name: Dani Ivan

2. Organization: Agency for Land Relations and Cadastre

3. Position: specialist coordinator

4. Academic Degree/Major Subject: Master

5. Please List Your Three Major Responsibilities.

①

②

③

6. What is your level of English?

Excellent

Good

Fair

Negligible

7. Are you able to identify your own location on the map in the field?

Yes

No

Somewhat

No idea

8. Do you know about the coordinate system used in topographic map of Moldova?

Yes

No

Somewhat

No idea

If "Yes", please answer the followings:

**8.1. Please select the coordinate system of old 1/50,000 topographic map**

- Gauss Kruger (Horizontal Datum: Plukov1942, Ellipsoid:Krasovsky)  
 TMM (Horizontal Datum: ETRS89, Ellipsoid: GRS 1980)  
 UTM (Horizontal Datum: WGS84, Ellipsoid: WGS84)

**8.2. Please select the coordinate system of large (up to 1/10,000) sale map in Moldova**

- Gauss Kruger (Horizontal Datum: Plukov1942, Ellipsoid:Krasovsky)  
 TMM (Horizontal Datum: ETRS89, Ellipsoid: GRS 1980)  
 UTM (Horizontal Datum: WGS84, Ellipsoid: WGS84)

**8.3. Please select the coordinate system of small (medium) sale map in Moldova**

- Gauss Kruger (Horizontal Datum: Plukov1942, Ellipsoid:Krasovsky)  
 TMM (Horizontal Datum: ETRS89, Ellipsoid: GRS 1980)  
 UTM (Horizontal Datum: WGS84, Ellipsoid: WGS84)

**9. Do you understand the purpose / work-flow of field verification?**

- Yes       No       Somewhat       No idea

**10. Please rank your knowledge about field verification work?**

- Excellent       Good       Fair       Negligible

**11. Do you know the map symbol specification adopted in the Project?**

- Yes       No       Somewhat       No idea

**12. Have you ever carried out the field verification?**

- Yes       No

If "Yes", please answer the followings:

**12.1. When did you carry out it?**

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**12.2. What kind of materials and equipments did you use?**

*For Example: Handy GPS, 1/50.000 topographic map.....*

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12.3. What was the target map scale?

*For Example: For 1/5,000 scale mapping*

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12.4. What did you pay the attention during it?

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13. Have you ever read the guideline for field verification?

- Yes       No

14. What is 1mm on a 1/50,000 scale map?

- 5m       50m       500m       No idea

15. If field verification is not conducted, what will be happen?

- Impossible to plotting  
 Decreasing the accuracy of information on the map data  
 No matters  
 No idea

16. Could you give one example what should be done for quality control of field verification if you know?

*Reality can materials*

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17. What do you wish to learn through this Project?

*Everything possible to map elaboration*

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18. If you have any requests to the Study Team, feel free to describe them.

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*Thank You Very Much for Your Cooperation*

## Technology Transfer Program on Field Verification

JICA Study Team

June 2011

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. **Name:** Danii Ivan

2. **Organization:** ALRC

3. **Position:** specialist coordinator

4. **Academic Degree/Major Subject:** Master

5. **Please List Your Three Major Responsibilities.**

- 1 Responsible for monitoring and evaluation of legislative documents
- 2 Responsible for examination of denunciations from public authorities in national and international domains
- 3 Responsible for logic activities organization of international relations in the domain administrated by Agency.

6. **What is your level of English?**

Excellent     Good     Fair     Negligible

7. **Are you able to identify your own location on the map in the field?**

Yes     No     Somewhat     No idea

8. **Do you know about the coordinate system used in topographic map of Moldova?**

Yes     No     Somewhat     No idea

If "Yes", please answer the followings:

**8.1. Please select the coordinate system of old 1/50,000 topographic map**

- Gauss Kruger (Horizontal Datum: Plukov1942, Ellipsoid:Krasovsky)  
 TMM (Horizontal Datum: ETRS89, Ellipsoid: GRS 1980)  
 UTM (Horizontal Datum: WGS84, Ellipsoid: WGS84)

**8.2. Please select the coordinate system of large (up to 1/10,000) sale map in Moldova**

- Gauss Kruger (Horizontal Datum: Plukov1942, Ellipsoid:Krasovsky)  
 TMM (Horizontal Datum: ETRS89, Ellipsoid: GRS 1980)  
 UTM (Horizontal Datum: WGS84, Ellipsoid: WGS84)

**8.3. Please select the coordinate system of small (medium) sale map in Moldova**

- Gauss Kruger (Horizontal Datum: Plukov1942, Ellipsoid:Krasovsky)  
 TMM (Horizontal Datum: ETRS89, Ellipsoid: GRS 1980)  
 UTM (Horizontal Datum: WGS84, Ellipsoid: WGS84)

**9. Do you understand the purpose / work-flow of field verification?**

- Yes       No       Somewhat       No idea

**10. Please rank your knowledge about field verification work?**

- Excellent       Good       Fair       Negligible

**11. Do you know the map symbol specification adopted in the Project?**

- Yes       No       Somewhat       No idea

**12. Have you ever carried out the field verification?**

- Yes       No

If "Yes", please answer the followings:

**12.1. When did you carry out it?**

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**12.2. What kind of materials and equipments did you use?**

*For Example: Handy GPS, 1/50,000 topographic map.....*

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**12.3. What was the target map scale?**

*For Example: For 1/5,000 scale mapping*

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**12.4. What did you pay the attention during it?**

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**13. Have you ever read the guideline for field verification?**

Yes

No

**14. What is 1mm on a 1/50,000 scale map?**

5m

50m

500m  No idea

**15. If field verification is not conducted, what will be happen?**

Impossible to plotting

Decreasing the accuracy of information on the map data

No matters

No idea

**16. Could you give one example what should be done for quality control of field verification if you know?**

Quality of raw materials

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**17. What do you wish to learn through this Project?**

All the necessary information when creating a map

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**18. If you have any requests to the Study Team, feel free to describe them.**

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*Thank You Very Much for Your Cooperation*

## Technology Transfer Program on Field Verification

JICA Study Team

June 2011

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

- 
1. Name: Vladimir Mihov
  2. Organization: Agency for Land Relations and Cadastre
  3. Position: consultant
  4. Academic Degree/Major Subject: Master's degree (2010)
  5. Please List Your Three Major Responsibilities.
    - ① The serious approach and attitude to work
    - ② The observance of rules and regulations stipulated by employment regime
    - ③ The diligence and persistently to obtaining the result.
  6. What is your level of English?  
 Excellent     Good     Fair     Negligible
  7. Are you able to identify your own location on the map in the field?  
 Yes     No     Somewhat     No idea
  8. Do you know about the coordinate system used in topographic map of Moldova?  
 Yes     No     Somewhat     No idea

If "Yes", please answer the followings:

**8.1. Please select the coordinate system of old 1/50,000 topographic map**

- Gauss Kruger (Horizontal Datum: Plukov1942, Ellipsoid:Krasovsky)  
 TMM (Horizontal Datum: ETRS89, Ellipsoid: GRS 1980)  
 UTM (Horizontal Datum: WGS84, Ellipsoid: WGS84)

**8.2. Please select the coordinate system of large (up to 1/10,000) sale map in Moldova**

- Gauss Kruger (Horizontal Datum: Plukov1942, Ellipsoid:Krasovsky)  
 TMM (Horizontal Datum: ETRS89, Ellipsoid: GRS 1980)  
 UTM (Horizontal Datum: WGS84, Ellipsoid: WGS84)

**8.3. Please select the coordinate system of small (medium) sale map in Moldova**

- Gauss Kruger (Horizontal Datum: Plukov1942, Ellipsoid:Krasovsky)  
 TMM (Horizontal Datum: ETRS89, Ellipsoid: GRS 1980)  
 UTM (Horizontal Datum: WGS84, Ellipsoid: WGS84)

**9. Do you understand the purpose / work-flow of field verification?**

- Yes       No       Somewhat       No idea

**10. Please rank your knowledge about field verification work?**

- Excellent       Good       Fair       Negligible

**11. Do you know the map symbol specification adopted in the Project?**

- Yes       No       Somewhat       No idea

**12. Have you ever carried out the field verification?**

- Yes       No

If "Yes", please answer the followings:

**12.1. When did you carry out it?**

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**12.2. What kind of materials and equipments did you use?**

*For Example: Handy GPS, 1/50,000 topographic map... ..*

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**12.3. What was the target map scale?**

*For Example: For 1/5,000 scale mapping*

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**12.4. What did you pay the attention during it?**

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**13. Have you ever read the guideline for field verification?**

- Yes       No

**14. What is 1mm on a 1/50,000 scale map?**

- 5m       50m       500m       No idea

**15. If field verification is not conducted, what will be happen?**

- Impossible to plotting  
 Decreasing the accuracy of information on the map data  
 No matters  
 No idea

**16. Could you give one example what should be done for quality control of field verification if you know?**

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**17. What do you wish to learn through this Project?**

I would like to understand more and to strengthen my knowledge in our field.

**18. If you have any requests to the Study Team, feel free to describe them.**

The most important, in my opinion, I'd like to wish you sincerely - successfully complete the project.  
Thank you for your contributions.

*Thank You Very Much for Your Cooperation*

## Technology Transfer Program on Field Verification

JICA Study Team

June 2011

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

---

1. **Name:** Vladimir Mihov

2. **Organization:** ALRC

3. **Position:** consultant

4. **Academic Degree/Major Subject:** Master

5. **Please List Your Three Major Responsibilities.**

- 1 Serious approach and attitude to work
- 2 Observance of rules and regulations stipulated by employment regime
- 3 Diligence and persistently in obtaining good results.

6. **What is your level of English?**

- Excellent     Good     Fair     Negligible

7. **Are you able to identify your own location on the map in the field?**

- Yes     No     Somewhat     No idea

8. **Do you know about the coordinate system used in topographic map of Moldova?**

- Yes     No     Somewhat     No idea

If "Yes", please answer the followings:

**8.1. Please select the coordinate system of old 1/50,000 topographic map**

- Gauss Kruger (Horizontal Datum: Plukov1942, Ellipsoid:Krasovsky)  
 TMM (Horizontal Datum: ETRS89, Ellipsoid: GRS 1980)  
 UTM (Horizontal Datum: WGS84, Ellipsoid: WGS84)

**8.2. Please select the coordinate system of large (up to 1/10,000) sale map in Moldova**

- Gauss Kruger (Horizontal Datum: Plukov1942, Ellipsoid:Krasovsky)  
 TMM (Horizontal Datum: ETRS89, Ellipsoid: GRS 1980)  
 UTM (Horizontal Datum: WGS84, Ellipsoid: WGS84)

**8.3. Please select the coordinate system of small (medium) sale map in Moldova**

- Gauss Kruger (Horizontal Datum: Plukov1942, Ellipsoid:Krasovsky)  
 TMM (Horizontal Datum: ETRS89, Ellipsoid: GRS 1980)  
 UTM (Horizontal Datum: WGS84, Ellipsoid: WGS84)

**9. Do you understand the purpose / work-flow of field verification?**

- Yes       No       Somewhat       No idea

**10. Please rank your knowledge about field verification work?**

- Excellent       Good       Fair       Negligible

**11. Do you know the map symbol specification adopted in the Project?**

- Yes       No       Somewhat       No idea

**12. Have you ever carried out the field verification?**

- Yes       No

If "Yes", please answer the followings:

**12.1. When did you carry out it?**

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**12.2. What kind of materials and equipments did you use?**

*For Example: Handy GPS, 1/50,000 topographic map.....*

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**12.3. What was the target map scale?**

*For Example: For 1/5,000 scale mapping*

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**12.4. What did you pay the attention during it?**

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**13. Have you ever read the guideline for field verification?**

Yes

No

**14. What is 1mm on a 1/50,000 scale map?**

5m

50m

500m  No idea

**15. If field verification is not conducted, what will be happen?**

Impossible to plotting

Decreasing the accuracy of information on the map data

No matters

No idea

**16. Could you give one example what should be done for quality control of field verification if you know?**

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**17. What do you wish to learn through this Project?**

I would like to understand more and to strengthen my knowledge about the  
field

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**18. If you have any requests to the Study Team, feel free to describe them.**

I would like to wish you a successful completion of project.  
Thank you for your contribution

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*Thank You Very Much for Your Cooperation*

## Technology Transfer Program on Field Verification

JICA Study Team

June 2011

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

1. **Name:** Ion EREMIJA

2. **Organization:** Agency for Land Relations and Cadastre

3. **Position:** principal specialist

4. **Academic Degree/Major Subject:** University

5. **Please List Your Three Major Responsibilities.**

- ① Responsible of policy documents in geodesy, cartography.
- ② Responsible for examination of demarcations related to the activity.
- ③ to give methodological assistance in the domain.

6. **What is your level of English?**

- Excellent     Good     Fair     Negligible

7. **Are you able to identify your own location on the map in the field?**

- Yes     No     Somewhat     No idea

8. **Do you know about the coordinate system used in topographic map of Moldova?**

- Yes     No     Somewhat     No idea

If "Yes", please answer the followings:

**8.1. Please select the coordinate system of old 1/50,000 topographic map**

- Gauss Kruger (Horizontal Datum: Plukov1942, Ellipsoid:Krasovsky)  
 TMM (Horizontal Datum: ETRS89, Ellipsoid: GRS 1980)  
 UTM (Horizontal Datum: WGS84, Ellipsoid: WGS84)

**8.2. Please select the coordinate system of large (up to 1/10,000) sale map in Moldova**

- Gauss Kruger (Horizontal Datum: Plukov1942, Ellipsoid:Krasovsky)  
 TMM (Horizontal Datum: ETRS89, Ellipsoid: GRS 1980)  
 UTM (Horizontal Datum: WGS84, Ellipsoid: WGS84)

**8.3. Please select the coordinate system of small (medium) sale map in Moldova**

- Gauss Kruger (Horizontal Datum: Plukov1942, Ellipsoid:Krasovsky)  
 TMM (Horizontal Datum: ETRS89, Ellipsoid: GRS 1980)  
 UTM (Horizontal Datum: WGS84, Ellipsoid: WGS84)

**9. Do you understand the purpose / work-flow of field verification?**

- Yes       No       Somewhat       No idea

**10. Please rank your knowledge about field verification work?**

- Excellent       Good       Fair       Negligible

**11. Do you know the map symbol specification adopted in the Project?**

- Yes       No       Somewhat       No idea

**12. Have you ever carried out the field verification?**

- Yes       No

If "Yes", please answer the followings:

**12.1. When did you carry out it?**

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**12.2. What kind of materials and equipments did you use?**

*For Example: Handy GPS, 1/50,000 topographic map... ..*

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**12.3. What was the target map scale?**

*For Example: For 1/5,000 scale mapping*

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**12.4. What did you pay the attention during it?**

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**13. Have you ever read the guideline for field verification?**

- Yes       No

**14. What is 1mm on a 1/50,000 scale map?**

- 5m       50m       500m       No idea

**15. If field verification is not conducted, what will be happen?**

- Impossible to plotting  
 Decreasing the accuracy of information on the map data  
 No matters  
 No idea

**16. Could you give one example what should be done for quality control of field verification if you know?**

*No*

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17. What do you wish to learn through this Project?

All about of creation maps. GCPs survey work.  
Field verification etc.

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18. If you have any requests to the Study Team, feel free to describe them.

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*Thank You Very Much for Your Cooperation*

## Technology Transfer Program on Field Verification

JICA Study Team

June 2011

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. **Name:** Ion Eremia

2. **Organization:** ALRC

3. **Position:** Main specialist

4. **Academic Degree/Major Subject:** University

5. **Please List Your Three Major Responsibilities.**

- ① Responsible for policy documents in geodesy, cartography
- ② Responsible for examination of demarches related to activity
- ③ To give methodological assistance in the domain

6. **What is your level of English?**

- Excellent     Good     Fair     Negligible

7. **Are you able to identify your own location on the map in the field?**

- Yes     No     Somewhat     No idea

8. **Do you know about the coordinate system used in topographic map of Moldova?**

- Yes     No     Somewhat     No idea

If "Yes", please answer the followings:

**8.1. Please select the coordinate system of old 1/50,000 topographic map**

- Gauss Kruger (Horizontal Datum: Plukov1942, Ellipsoid:Krasovsky)  
 TMM (Horizontal Datum: ETRS89, Ellipsoid: GRS 1980)  
 UTM (Horizontal Datum: WGS84, Ellipsoid: WGS84)

**8.2. Please select the coordinate system of large (up to 1/10,000) sale map in Moldova**

- Gauss Kruger (Horizontal Datum: Plukov1942, Ellipsoid:Krasovsky)  
 TMM (Horizontal Datum: ETRS89, Ellipsoid: GRS 1980)  
 UTM (Horizontal Datum: WGS84, Ellipsoid: WGS84)

**8.3. Please select the coordinate system of small (medium) sale map in Moldova**

- Gauss Kruger (Horizontal Datum: Plukov1942, Ellipsoid:Krasovsky)  
 TMM (Horizontal Datum: ETRS89, Ellipsoid: GRS 1980)  
 UTM (Horizontal Datum: WGS84, Ellipsoid: WGS84)

**9. Do you understand the purpose / work-flow of field verification?**

- Yes       No       Somewhat       No idea

**10. Please rank your knowledge about field verification work?**

- Excellent       Good       Fair       Negligible

**11. Do you know the map symbol specification adopted in the Project?**

- Yes       No       Somewhat       No idea

**12. Have you ever carried out the field verification?**

- Yes       No

If "Yes", please answer the followings:

**12.1. When did you carry out it?**

\_\_\_\_\_

**12.2. What kind of materials and equipments did you use?**

*For Example: Handy GPS, 1/50,000 topographic map.....*

\_\_\_\_\_

\_\_\_\_\_

**12.3. What was the target map scale?**

*For Example: For 1/5,000 scale mapping*

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**12.4. What did you pay the attention during it?**

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**13. Have you ever read the guideline for field verification?**

Yes

No

**14. What is 1mm on a 1/50,000 scale map?**

5m

50m

500m

No idea

**15. If field verification is not conducted, what will be happen?**

Impossible to plotting

Decreasing the accuracy of information on the map data

No matters

No idea

**16. Could you give one example what should be done for quality control of field verification if you know?**

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**17. What do you wish to learn through this Project?**

Everything about creation of maps, GCP survey work, Field verification etc.

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**18. If you have any requests to the Study Team, feel free to describe them.**

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*Thank You Very Much for Your Cooperation*

## Technology Transfer Program on Field Verification

JICA Study Team

June 2011

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. Name: Nagornice Constantin
2. Organization: INGEOCAD
3. Position: Chief of technical department
4. Academic Degree/Major Subject: High education in Geodesy, topography and Cartography
5. Please List Your Three Major Responsibilities.
  - ① Work flow organisation
  - ② work control
  - ③
6. What is your level of English?  
 Excellent     Good     Fair     Negligible
7. Are you able to identify your own location on the map in the field?  
 Yes     No     Somewhat     No idea
8. Do you know about the coordinate system used in topographic map of Moldova?  
 Yes     No     Somewhat     No idea

If "Yes", please answer the followings:

**8.1. Please select the coordinate system of old 1/50,000 topographic map**

- Gauss Kruger (Horizontal Datum: Plukov1942, Ellipsoid:Krasovsky)  
 TMM (Horizontal Datum: ETRS89, Ellipsoid: GRS 1980)  
 UTM (Horizontal Datum: WGS84, Ellipsoid: WGS84)

**8.2. Please select the coordinate system of large (up to 1/10,000) sale map in Moldova**

- Gauss Kruger (Horizontal Datum: Plukov1942, Ellipsoid:Krasovsky)  
 TMM (Horizontal Datum: ETRS89, Ellipsoid: GRS 1980)  
 UTM (Horizontal Datum: WGS84, Ellipsoid: WGS84)

**8.3. Please select the coordinate system of small (medium) sale map in Moldova**

- Gauss Kruger (Horizontal Datum: Plukov1942, Ellipsoid:Krasovsky)  
 TMM (Horizontal Datum: ETRS89, Ellipsoid: GRS 1980)  
 UTM (Horizontal Datum: WGS84, Ellipsoid: WGS84)

**9. Do you understand the purpose / work-flow of field verification?**

- Yes       No       Somewhat       No idea

**10. Please rank your knowledge about field verification work?**

- Excellent       Good       Fair       Negligible

**11. Do you know the map symbol specification adopted in the Project?**

- Yes       No       Somewhat       No idea

**12. Have you ever carried out the field verification?**

- Yes       No

If "Yes", please answer the followings:

**12.1. When did you carry out it?**

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**12.2. What kind of materials and equipments did you use?**

*For Example: Handy GPS, 1/50,000 topographic map.....*

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**12.3. What was the target map scale?**

*For Example: For 1/5,000 scale mapping*

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**12.4. What did you pay the attention during it?**

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**13. Have you ever read the guideline for field verification?**

- Yes       No

**14. What is 1mm on a 1/50,000 scale map?**

- 5m       50m       500m       No idea

**15. If field verification is not conducted, what will be happen?**

- Impossible to plotting  
 Decreasing the accuracy of information on the map data  
 No matters  
 No idea

**16. Could you give one example what should be done for quality control of field verification if you know?**

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**17. What do you wish to learn through this Project?**

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**18. If you have any requests to the Study Team, feel free to describe them.**

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*Thank You Very Much for Your Cooperation*

## Technology Transfer Program on Field Verification

JICA Study Team

June 2011

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. **Name:** Nagorneac Constantin

2. **Organization:** INGEOCAD

3. **Position:** Chief of technical department

4. **Academic Degree/Major Subject:** High degree in Geodesy, Topography and Cartography

5. **Please List Your Three Major Responsibilities.**

① Workflow organisation

② Work control

③

6. **What is your level of English?**

Excellent

Good

Fair

Negligible

7. **Are you able to identify your own location on the map in the field?**

Yes

No

Somewhat

No idea

8. **Do you know about the coordinate system used in topographic map of Moldova?**

Yes

No

Somewhat

No idea

If "Yes", please answer the followings:

**8.1. Please select the coordinate system of old 1/50,000 topographic map**

- Gauss Kruger (Horizontal Datum: Plukov1942, Ellipsoid:Krasovsky)  
 TMM (Horizontal Datum: ETRS89, Ellipsoid: GRS 1980)  
 UTM (Horizontal Datum: WGS84, Ellipsoid: WGS84)

**8.2. Please select the coordinate system of large (up to 1/10,000) sale map in Moldova**

- Gauss Kruger (Horizontal Datum: Plukov1942, Ellipsoid:Krasovsky)  
 TMM (Horizontal Datum: ETRS89, Ellipsoid: GRS 1980)  
 UTM (Horizontal Datum: WGS84, Ellipsoid: WGS84)

**8.3. Please select the coordinate system of small (medium) sale map in Moldova**

- Gauss Kruger (Horizontal Datum: Plukov1942, Ellipsoid:Krasovsky)  
 TMM (Horizontal Datum: ETRS89, Ellipsoid: GRS 1980)  
 UTM (Horizontal Datum: WGS84, Ellipsoid: WGS84)

**9. Do you understand the purpose / work-flow of field verification?**

- Yes       No       Somewhat       No idea

**10. Please rank your knowledge about field verification work?**

- Excellent       Good       Fair       Negligible

**11. Do you know the map symbol specification adopted in the Project?**

- Yes       No       Somewhat       No idea

**12. Have you ever carried out the field verification?**

- Yes       No

If "Yes", please answer the followings:

**12.1. When did you carry out it?**

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**12.2. What kind of materials and equipments did you use?**

*For Example: Handy GPS, 1/50,000 topographic map.....*

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**12.3. What was the target map scale?**

*For Example: For 1/5,000 scale mapping*

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**12.4. What did you pay the attention during it?**

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**13. Have you ever read the guideline for field verification?**

Yes

No

**14. What is 1mm on a 1/50,000 scale map?**

5m

50m

500m

No idea

**15. If field verification is not conducted, what will be happen?**

Impossible to plotting

Decreasing the accuracy of information on the map data

No matters

No idea

**16. Could you give one example what should be done for quality control of field verification if you know?**

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**17. What do you wish to learn through this Project?**

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**18. If you have any requests to the Study Team, feel free to describe them.**

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*Thank You Very Much for Your Cooperation*

## Aerial Triangulation & Digital Plotting

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## Program de Transfer Tehnologic privind Aerotriangulație și Cartografie Digitală

JICA Study Team

Apr 2012

### Evaluarea necesară pentru instruire

**Purpose:** Acest chestionar este necesar pentru a afla cunoștințele și experiența dumneavoastră înainte de a începe transferului tehnologic. Echipa de studiu va considera rezultatele date pentru a formula conținutul și modalitățile transferului tehnologic.

- 
- 
1. Nume: Chirilă Ștefan
2. Organizația: Ministerul Apărării, Centru topografie militară
3. Responsabilități Majore: -

4. Ați participat la ultima (Decembrie 2011) activitate de transfer tehnologic privind Aerotriangulația?

Da  Nu

Dacă ați ales "Da", vă rugăm să răspundeți la următoare întrebare:

- 4.1. Înțelegeți cum decurge procesul de aerotriangulație utilizând aplicația LPS?

Da  Nu

5. Aveți experiență în crearea hărții de scară medie (1/50,000~1/25,000)? Și dacă nu, aveți ceva cunoștințe despre diferența între cartografie la scară medie și cartografie la scară largă (1/10,000~1/5000)?

Nu

6. De cât timp lucrați în domeniu fotogrametricii?

-

**7. Cunoașteți ceva despre aerotriangulație?**

- Nu știu  Știu (doar cunoștințe teoretice)  Efectuez lucrări de acest gen câteodată  Deseori efectuez astfel de lucrări

**8. Cunoașteți ceva despre plotare digitală?**

- Nu știu  Știu (doar cunoștințe teoretice)  Efectuez lucrări de acest gen câteodată  Deseori efectuez astfel de lucrări

**9. Când ultima dată ați efectuat următoarele lucrări și ce fel de aplicații soft ați utilizat?**

Aerotriangulație) \_\_\_\_\_  
Plotare digital) \_\_\_\_\_  
Editare digitală) Arc Map 9.2

**10. Ați utilizat vreodată aplicația LPS?**

- Da  Nu

**11. Ați utilizat vreodată aplicația MicroStation?**

- Da  Nu

*Vă mulțumim pentru colaborare*

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## Program de Transfer Tehnologic privind Aerotriangulație și Cartografie Digitală

JICA Study Team

Apr 2012

### Evaluarea necesară pentru instruire

**Purpose:** Acest chestionar este necesar pentru a afla cunoștințele și experiența dumneavoastră înainte de a începe transferului tehnologic. Echipa de studiu va considera rezultatele date pentru a formula conținutul și modalitățile transferului tehnologic.

- 
- 
1. Nume: Cușnir Lucia
  2. Organizația: Agentia Relații Funciare și Cadastru
  3. Responsabilități Majore: consultant Direcția geodzie, cartografie și geoinformatică.
  4. Ați participat la ultima (Decembrie 2011) activitate de transfer tehnologic privind Aerotriangulația?  
 Da       Nu

Dacă ați ales "Da", vă rugăm să răspundeți la următoare întrebare:

#### 4.1. Înțelegeți cum decurge procesul de aerotriangulație utilizând aplicația LPS?

Da       Nu

5. Aveți experiență în crearea hărții de scară medie (1/50,000~1/25,000)? Și dacă nu, aveți ceva cunoștințe despre diferența între cartografie la scară medie și cartografie la scară largă (1/10,000~1/5000)?

nu

6. De cât timp lucrați în domeniu fotogrametriei?

**7. Cunoașteți ceva despre aerotriangulație?**

- Nu știu  Știu (doar cunoștințe teoretice)  Efectuez lucrări de acest gen câteodată  Deseori efectuez astfel de lucrări

**8. Cunoașteți ceva despre plotare digitală?**

- Nu știu  Știu (doar cunoștințe teoretice)  Efectuez lucrări de acest gen câteodată  Deseori efectuez astfel de lucrări

**9. Când ultima dată ați efectuat următoarele lucrări și ce fel de aplicații soft ați utilizat?**

Aerotriangulație) \_\_\_\_\_  
Plotare digital ) \_\_\_\_\_  
Editare digitală) \_\_\_\_\_

*Z*

**10. Ați utilizat vreodată aplicația LPS?**

- Da  Nu

**11. Ați utilizat vreodată aplicația MicroStation?**

- Da  Nu

*Vă mulțumim pentru colaborare*

## Technology Transfer Program on Aerial Triangulation and Digital Mapping

JICA Study Team

Apr 2012

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. Name: SVETLANA ZAHARCHINA
2. Organization: SE „INGEOCAD”
3. Major Responsibilities: Head of Department Photogrammetry
4. Did you participate in the last technical transfer on Aerial triangulation?  
 Yes       No

If “Yes”, please answer the followings:

4.1. Do you understand the work flow of the aerial triangulation with LPS-core?

- Yes       No

5. Have you ever experienced in creating medium scale map (1/50,000~1/25,000)? And if no, do you have any knowledge about difference between medium scale mapping and large scale (1/10,000~1/5000) mapping.

1:10000 - 1:500

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6. How long have you been working with a kind of photogrammetry in terms of digital mapping.

more than 20 years

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**7. Do you know arial triangulation?**

I don't know  I know(only knowledge)  I do it sometimes  I often do it

**8. Do you know digital plotting?**

I don't know  I know(only knowledge)  I do it sometimes  I often do it

**9. When did you do those working , what's kind of software did you use?**

arial triangulation ) Soceet Set, Block MSB, Orima for analytical DPS  
digital plotting ) Digitals 5.0, PRO 600  
digital editing ) Digitals 5.0, AutoCad

**10. Have you ever used LPS software?**

Yes  No

**11. Have you ever used MicroStation software?**

Yes  No

*Thank You Very Much for Your Cooperation*



## Program de Transfer Tehnologic privind Aerotriangulație și Cartografie Digitală

JICA Study Team

Apr 2012

### Evaluarea necesară pentru instruire

**Purpose:** Acest chestionar este necesar pentru a afla cunoștințele și experiența dumneavoastră înainte de a începe transferului tehnologic. Echipa de studiu va considera rezultatele date pentru a formula conținutul și modalitățile transferului tehnologic.

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1. Nume: Scurtu Cristina

2. Organizația: INGEOCAD<sup>cr</sup>

3. Responsabilități Majore: \_\_\_\_\_

4. Ați participat la ultima (Decembrie 2011) activitate de transfer tehnologic privind Aerotriangulația?

Da       Nu

Dacă ați ales "Da", vă rugăm să răspundeți la următoare întrebare:

4.1. Înțelegeți cum decurge procesul de aerotriangulație utilizând aplicația LPS?

Da       Nu

5. Aveți experiență în crearea hărții de scară medie (1/50,000~1/25,000)? Și dacă nu, aveți ceva cunoștințe despre diferența între cartografie la scară medie și cartografie la scară largă (1/10,000~1/5000)?

da

6. De cât timp lucrați în domeniu fotogrametriei?

10 ani

**7. Cunoașteți ceva despre aerotriangulație?**

- Nu știu  Știu (doar cunoștințe teoretice)  Efectuez lucrări de acest gen câteodată  Deseori efectuez astfel de lucrări

**8. Cunoașteți ceva despre plotare digitală?**

- Nu știu  Știu (doar cunoștințe teoretice)  Efectuez lucrări de acest gen câteodată  Deseori efectuez astfel de lucrări

**9. Când ultima dată ați efectuat următoarele lucrări și ce fel de aplicații soft ați utilizat?**

Aerotriangulație) ianuarie 2012 „Digital”  
Plotare digital) (eri) lucruri de bază „Digital”  
Editare digitală) lucruri de bază „Digital”

**10. Ați utilizat vreodată aplicația LPS?**

- Da  Nu

**11. Ați utilizat vreodată aplicația MicroStation?**

- Da  Nu

*Vă mulțumim pentru colaborare*

## Digital Compilation

## Technology Transfer Program on Data compilation

JICA Study Team

June 2012

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

- 
1. **Name:** Tamara Rudenco
  2. **Organization:** Agency for Land Relations and Cadastre
  3. **Major Responsibilities:** consultant National geospatial data fund
  4. **Do you understand the purpose of Data compilation?**  
 Yes       No       Somewhat       No idea
  5. **Have you ever carried out Data compilation?**  
 Yes       No

If "Yes", please answer the followings:

5.1. **When did you carry out it?**

I worked in the Department GIS (INGEOCAD)

5.2. **What kind of software did you use?**

*For Example: AutoCADMAP3D.....*

MapInfo, AutoCAD, ArcGIS

5.3. **What was the target map scale?**

*For Example: For 1/5,000 scale mapping....*

1:2000      1:5000      1:500      1:50000

**5.4. What did you pay attention to during it?**

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**6. Could you give one example what should be done for quality control of Data compilation if you know?**

(Euro Regional Map, Euro Global Map,  
Euro Dem)

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**7. What do you wish to learn through this training?**

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**8. If you have any requests to the Study Team, feel free to describe them.**

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*Thank You Very Much for Your Cooperation*

## Technology Transfer Program on Data compilation

JICA Study Team

June 2012

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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---

1. **Name:** Tamara Rudenco

2. **Organization:** Agency for Land Relation and Cadastre

3. **Major Responsibilities:** consultant National geospatial data fund

4. **Do you understand the purpose of Data compilation?**

Yes

No

Somewhat

No idea

5. **Have you ever carried out Data compilation?**

Yes

No

If "Yes", please answer the followings:

5.1. **When did you carry out it?**

I worked at the GIS department (INGEOCAD)

5.2. **What kind of software did you use?**

For Example: AutoCADMAP3D.....

MapInfo, AutoCAD, ArcGIS

5.3. **What was the target map scale?**

For Example: For 1/5,000 scale mapping....

1:2000, 1:5000, 1:500, 1:50000

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**5.4. What did you pay attention to during it?**

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**6. Could you give one example what should be done for quality control of Data compilation if you know?**

Euro Regional Map, Euro Global Map, Euro Dem

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**7. What do you wish to learn through this training?**

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**8. If you have any requests to the Study Team, feel free to describe them.**

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*Thank You Very Much for Your Cooperation*

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## Technology Transfer Program on Data compilation

JICA Study Team

June 2012

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. **Name:** Vogornuc Constantia

2. **Organization:** SE INGECAID

3. **Major Responsibilities:** technical

4. **Do you understand the purpose of Data compilation?**

Yes

No

Somewhat

No idea

5. **Have you ever carried out Data compilation?**

Yes

No

If "Yes", please answer the followings:

5.1. **When did you carry out it?**

---

5.2. **What kind of software did you use?**

*For Example: AutoCADMAP3D.....*

---

5.3. **What was the target map scale?**

*For Example: For 1/5,000 scale mapping....*

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**5.4. What did you pay attention to during it?**

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**6. Could you give one example what should be done for quality control of Data compilation if you know?**

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**7. What do you wish to learn through this training?**

*I gonna see it after.*

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**8. If you have any requests to the Study Team, feel free to describe them.**

*To make it quicker.*

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*Thank You Very Much for Your Cooperation*

## Technology Transfer Program on Data compilation

JICA Study Team

June 2012

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. **Name:** \_\_\_\_\_ Nogorneac Constantin \_\_\_\_\_
  
2. **Organization:** \_\_\_\_\_ SE INGEOCAD \_\_\_\_\_
  
3. **Major Responsibilities:** \_\_\_\_\_ technical \_\_\_\_\_
  
4. **Do you understand the purpose of Data compilation?**  
 Yes       No       Somewhat       No idea
  
5. **Have you ever carried out Data compilation?**  
 Yes       No

If "Yes", please answer the followings:

**5.1. When did you carry out it?**

\_\_\_\_\_

**5.2. What kind of software did you use?**

*For Example: AutoCADMAP3D.....*

\_\_\_\_\_

**5.3. What was the target map scale?**

*For Example: For 1/5,000 scale mapping....*

\_\_\_\_\_

**5.4. What did you pay attention to during it?**

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**6. Could you give one example what should be done for quality control of Data compilation if you know?**

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**7. What do you wish to learn through this training?**

I gonna see it after

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**8. If you have any requests to the Study Team, feel free to describe them.**

To make it quicker

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*Thank You Very Much for Your Cooperation*

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## Technology Transfer Program on Data compilation

JICA Study Team

June 2012

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. **Name:** Paharikov Igor

2. **Organization:** I.S. INGEBOCAD

3. **Major Responsibilities:** chef of GIS department

4. **Do you understand the purpose of Data compilation?**

Yes

No

Somewhat

No idea

5. **Have you ever carried out Data compilation?**

Yes

No

If "Yes", please answer the followings:

5.1. **When did you carry out it?**

department of GIS and cartography

5.2. **What kind of software did you use?**

*For Example: AutoCADMAP3D.....*

ArcGIS, MapInfo (using and programming), AutoCAD Map

5.3. **What was the target map scale?**

*For Example: For 1/5,000 scale mapping....*

All

**5.4. What did you pay attention to during it?**

All

**6. Could you give one example what should be done for quality control of Data compilation if you know?**

Euroregional Map/ Euro Global Map  
Quality control in the ArcGIS changed the  
objects geometry, we wish to have the  
control system without this disadvantage.

**7. What do you wish to learn through this training?**

how to work in Illustrator with  
big files.

**8. If you have any requests to the Study Team, feel free to describe them.**

Make it quicker.

*Thank You Very Much for Your Cooperation*

## Technology Transfer Program on Data compilation

JICA Study Team

June 2012

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. **Name:** Paharicov Igor

2. **Organization:** IS INGEOCAD

3. **Major Responsibilities:** chef of GIS department

4. **Do you understand the purpose of Data compilation?**

Yes

No

Somewhat

No idea

5. **Have you ever carried out Data compilation?**

Yes

No

If "Yes", please answer the followings:

5.1. **When did you carry out it?**

Department of GIS and cartography

5.2. **What kind of software did you use?**

For Example: AutoCADMAP3D.....

ArcGIS, MapInfo(using and programing), AutoCAD Map

5.3. **What was the target map scale?**

For Example: For 1/5,000 scale mapping....

All

**5.4. What did you pay attention to during it?**

All

**6. Could you give one example what should be done for quality control of Data compilation if you know?**

Euroregional Map/Euro Global Map. Quality control in the ArcGIS changes the object geometry, we wish to have the control system without this disadvantage.

**7. What do you wish to learn through this training?**

How to work in Illustrator with big files

**8. If you have any requests to the Study Team, feel free to describe them.**

*Thank You Very Much for Your Cooperation*

## Program de transfer tehnologic de Compilare a datelor

JICA Echipa de studiu

Iunie 2012

### Evaluare necesară pentru instruire

*Scopul:* Acest chestionar este necesar pentru a afla cunoștințele și experiența dumneavoastră înainte a începe transferul tehnologic. Echipa de studiu va considera rezultatele date pentru a formula conținutul și modalitățile transferului tehnologic.

1. Numele: Ceban Andrei

2. Organizația: CTM, Ministerul Apărării

3. Responsabilități majore: sef grup programare - inginer superior

4. Înțelegeți scopul compilării datelor?

Da     Nu     Cumva     Fără ideie

5. Ați efectuat vreodată compilarea datelor?

Da     Nu

Dacă "Da", răspundeți vă rog la întrebările următoare:

5.1. Când ați efectuat compilarea datelor?

15.09.11

5.2. Ce fel de aplicații software ați folosit?

De exemplu: AutoCADMAP3D..... Au Catalog

5.3. Ce fel de scară a hărții a fost?

De exemplu: For 1/5,000 scale mapping.... 1:10 000 → 1:100 000



5.4. La ce ați acordat atenția în timpul compilării?

*Structura, nodul primar, regulile, spațial referențe, etc.*

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6. Puteți să dați, dacă știți, un exemplu, ce trebuie să fie făcut pentru a controla calitatea compilării datelor?

*compararea cu catalogul normativ, program de control (ex. GADT)*

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7. Ce vreți să învățați în timpul instruirii?

*Studiul a posibilităților noi de a lucra cu date rezorare*

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8. Dacă aveți niște cereri către Echipa de studiu, vă rugăm să le descrieți .

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*Vă Mulțumim pentru Colaborare*

## Technology Transfer Program on Data compilation

JICA Study Team

June 2012

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. **Name:** Ceban Andrei

2. **Organization:** Minister of Defence

3. **Major Responsibilities:** senior engineer

4. **Do you understand the purpose of Data compilation?**

Yes       No       Somewhat       No idea

5. **Have you ever carried out Data compilation?**

Yes       No

If "Yes", please answer the followings:

5.1. **When did you carry out it?**

A lot of time, Last one was 25.04,2012

5.2. **What kind of software did you use?**

For Example: AutoCADMAP3D.....

ArcCatalog, AutoCAD,,

5.3. **What was the target map scale?**

For Example: For 1/5,000 scale mapping....

From 1:10000 to 1:100000

**5.4. What did you pay attention to during it?**

Structure, Spatial reference, Rules, Mod and etc.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**6. Could you give one example what should be done for quality control of Data compilation if you know?**

GAIT  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**7. What do you wish to learn through this training?**

New possibilities in the process of working with data  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**8. If you have any requests to the Study Team, feel free to describe them.**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Thank You Very Much for Your Cooperation

## Map Symbolization

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## Technology Transfer Program on Map symbolization

JICA Study Team

June 2012

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. **Name:** Rudenco Tamara
  2. **Organization:** Agency for Land Relation and Cadastre
  3. **Major Responsibilities:** consultant National Geospatial Data Fund
  4. **Have you ever carried out cartography by manual method which are inking or scribing or whatever?**  
 Yes       No
  5. **Have you ever carried out Map symbolization by using computer?**  
 Yes       No

If "Yes", please answer the followings:

5.1. **When did you carry out it?**

When worked in the INGEOCAD

5.2. **What kind of software did you use?**

*For Example: AutoCADMAP3D.....*

MapInfo, AutoCad, ArcGIS

**5.3. What was the target map scale?**

*For Example: For 1/5,000 scale mapping...*

1:2000, 1:5000, 1:10000, 1:50000

**5.4. What did you think the most importance to during it?**

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**6. Could you give an example what should be done for quality control of Map Symbolization if you know?**

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**7. What do you wish to learn through this training?**

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**8. If you have any requests to the Study Team, feel free to describe them.**

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*Thank You Very Much for Your Cooperation*

## Technology Transfer Program on Map symbolization

JICA Study Team

June 2012

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. **Name:** Rudenco Tamara
2. **Organization:** Agency for Land relations and Cadastre
3. **Major Responsibilities:** consultant in National Geospatial Data Fund
4. **Have you ever carried out cartography by manual method which are inking or scribing or whatever?**  
 Yes       No
5. **Have you ever carried out Map symbolization by using computer?**  
 Yes       No

If "Yes", please answer the followings:

**5.1. When did you carry out it?**

When I worked in the INGEOCAD

**5.2. What kind of software did you use?**

For Example:AutoCADMAP3D.....

MpInfo, AutoCAD, ArcGIS

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**5.3. What was the target map scale?**

*For Example: For 1/5,000 scale mapping...*

1:2000, 1:5000, 1:10000, 1:50000

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**5.4. What did you think the most importance to during it?**

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**6. Could you give an example what should be done for quality control of Map Symbolization if you know?**

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**7. What do you wish to learn through this training?**

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**8. If you have any requests to the Study Team, feel free to describe them.**

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*Thank You Very Much for Your Cooperation*



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## Technology Transfer Program on Map symbolization

JICA Study Team

June 2012

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. Name: Paharinos Igor
  2. Organization: IS Ingeocad
  3. Major Responsibilities: chef of dep. GIS and cartography
  4. Have you ever carried out cartography by manual method which are inking or scribing or whatever?  
 Yes       No
  5. Have you ever carried out Map symbolization by using computer?  
 Yes       No

If "Yes", please answer the followings:

5.1. When did you carry out it?

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5.2. What kind of software did you use?

For Example: AutoCADMAP3D.....

Are GIS, Auto Cad, Map, Map Info  
Illustrator, Photoshop

5.3. What was the target map scale?

*For Example: For 1/5,000 scale mapping....*

*1:10 000 — 1:1 000 000*

5.4. What did you think the most importance to during it?

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6. Could you give an example what should be done for quality control of Map Symbolization if you know?

*ARC/INFO representations control*

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7. What do you wish to learn through this training?

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8. If you have any requests to the Study Team, feel free to describe them.

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*Thank You Very Much for Your Cooperation*

## Technology Transfer Program on Map symbolization

JICA Study Team

June 2012

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. **Name:** Paharicov Igor
2. **Organization:** INGEOCAD
3. **Major Responsibilities:** chef of GIS and Cartography
4. **Have you ever carried out cartography by manual method which are inking or scribing or whatever?**  
 Yes       No
5. **Have you ever carried out Map symbolization by using computer?**  
 Yes       No

If "Yes", please answer the followings:

**5.1. When did you carry out it?**

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**5.2. What kind of software did you use?**

*For Example:AutoCADMAP3D.....*

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ArcGIS, AutoCAD, MapInfo, Illustration, Photoshop

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**5.3. What was the target map scale?**

*For Example: For 1/5.000 scale mapping...*

From 1:10000 till 1:1000000

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**5.4. What did you think the most importance to during it?**

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**6. Could you give an example what should be done for quality control of Map Symbolization if you know?**

ArcGIS representative control

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**7. What do you wish to learn through this training?**

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**8. If you have any requests to the Study Team, feel free to describe them.**

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*Thank You Very Much for Your Cooperation*

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## Technology Transfer Program on Map symbolization

JICA Study Team

June 2012

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. **Name:** Andrei Ceban
  2. **Organization:** Military topography Centre, Ministry of Defence
  3. **Major Responsibilities:** Chief of programming group - superior engineer
  4. **Have you ever carried out cartography by manual method which are inking or scribing or whatever?**  
 Yes       No
  5. **Have you ever carried out Map symbolization by using computer?**  
 Yes       No

If "Yes", please answer the followings:

5.1. **When did you carry out it?**

last week

5.2. **What kind of software did you use?**

For Example: AutoCADMAP3D..... Arc Map (from ArcGIS system)

**5.3. What was the target map scale?**

*For Example: For 1/5,000 scale mapping....*

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**5.4. What did you think the most importance to during it?**

*To correctly define objects from terrain and displaying them on the map.*

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**6. Could you give an example what should be done for quality control of Map Symbolization if you know?**

*Depends of the software you use, but usually it's comparing with symbology catalogue*

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**7. What do you wish to learn through this training?**

*New methods of displaying and working with data.*

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**8. If you have any requests to the Study Team, feel free to describe them.**

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*Thank You Very Much for Your Cooperation*

## Technology Transfer Program on Map symbolization

JICA Study Team

June 2012

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. **Name:** Andrei Ceban

2. **Organization:** Military topography Centre. Ministry of Defence

3. **Major Responsibilities:** chief of programing group – superior engineer

4. **Have you ever carried out cartography by manual method which are inking or scribing or whatever?**

Yes       No

5. **Have you ever carried out Map symbolization by using computer?**

Yes       No

If “Yes”, please answer the followings:

5.1. **When did you carry out it?**

Last week

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5.2. **What kind of software did you use?**

For Example:AutoCADMAP3D.....

ArcMap

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**5.3. What was the target map scale?**

*For Example: For 1/5,000 scale mapping...*

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**5.4. What did you think the most importance to during it?**

*Correctly determine objects and display them on the map*

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**6. Could you give an example what should be done for quality control of Map Symbolization if you know?**

*It depends on the software you use, usually it is symbol catalogue.*

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**7. What do you wish to learn through this training?**

*New methods of displaying and working with data*

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**8. If you have any requests to the Study Team, feel free to describe them.**

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*Thank You Very Much for Your Cooperation*



## Program de transfer tehnologic a simbolizării hărții

JICA Echipa de studiu

Iunie 2012

### Evaluare necesară pentru instruire

**Scopul:** Aceast chestionar este necesar pentru a afla cunoștințele și experiența dumneavoastră înainte de a începe transferul tehnologic. Echipa de studiu va considera rezultatele date pentru a formula conținutul și modalitățile transferului tehnologic.

1. Numele: Mitic Zubovsca

2. Organizația: INBEOCAD

3. Responsabilități majore: Șef

4. Ați efectuat vreodată cartografie prin metoda manuală, de exemplu prin cerneluire, prin zgărierea sau prin alt ceva ?

Da  Nu

5. Ați efectuat vreodată simbolizarea hărții prin calculator?

Da  Nu

Dacă "da", răspundeți vă rog la întrebările următoare:

5.1. Când ați efectuat simbolizarea hărții?

Acum

5.2. Ce fel de aplicații software ați folosit?

De exemplu: AutoCADMAP3D..... ArcGIS

**5.3. Ce fel de scară hărții a fost?**

*De exemplu: For 1/5,000 scale mapping... 1:50 000*

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**5.4. Ce a fost cel mai important in timpul simbolizării hărții?**

*Scara pe tot proces de lucru*

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**6. Puteți să dați, dacă știți, un exemplu, ce trebuie să fie făcut pentru a controla calitatea simbolizării hărții?**

*Intervistații pe teren*

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**7. Ce vreți să învățați în timpul instruirii?**

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**8. Dacă aveți niște cereri pentru Echipa de studiu, vă rugăm să le descrieți.**

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*Vă Mulțumim pentru Colaborare*

## Technology Transfer Program on Map symbolization

JICA Study Team

June 2012

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. **Name:** Mutac Liubomira

2. **Organization:** INGEOCAD

3. **Major Responsibilities:** engineer

4. **Have you ever carried out cartography by manual method which are inking or scribing or whatever?**

Yes       No

5. **Have you ever carried out Map symbolization by using computer?**

Yes       No

If "Yes", please answer the followings:

5.1. **When did you carry out it?**

today

5.2. **What kind of software did you use?**

For Example:AutoCADMAP3D.....

ArcGIS

**5.3. What was the target map scale?**

*For Example: For 1/5,000 scale mapping...*

1:50000

**5.4. What did you think the most importance to during it?**

All

**6. Could you give an example what should be done for quality control of Map Symbolization if you know?**

Symbol instructions

**7. What do you wish to learn through this training?**

**8. If you have any requests to the Study Team, feel free to describe them.**

*Thank You Very Much for Your Cooperation*

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## Technology Transfer Program on Map symbolization

JICA Study Team

June 2012

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. Name: Chiziac Joana

2. Organization: INGEOCAD

3. Major Responsibilities: inginer

4. Have you ever carried out cartography by manual method which are inking or scribing or whatever?

Yes       No

5. Have you ever carried out Map symbolization by using computer?

Yes       No

If "Yes", please answer the followings:

5.1. When did you carry out it?

during 2 years

5.2. What kind of software did you use?

*For Example: AutoCADMAP3D.....*

ArcGIS

Adobe Illustrator

**5.3. What was the target map scale?**

*For Example: For 1/5,000 scale mapping...*

*1/85,000,000    1/120,000,000    1/155,000,000*

**5.4. What did you think the most importance to during it?**

*Knowledge of ArcGIS, Illustrator, Cartography*

**6. Could you give an example what should be done for quality control of Map Symbolization if you know?**

*Control by ~~spe~~ professional*

**7. What do you wish to learn through this training?**

*Adobe Illustrator CS 5*

**8. If you have any requests to the Study Team, feel free to describe them.**

*Thank You Very Much for Your Cooperation*

## Technology Transfer Program on Map symbolization

JICA Study Team

June 2012

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. **Name:** Chiriac Ioana

2. **Organization:** INGEOCAD

3. **Major Responsibilities:** engineer

4. **Have you ever carried out cartography by manual method which are inking or scribing or whatever?**

Yes       No

5. **Have you ever carried out Map symbolization by using computer?**

Yes       No

If "Yes", please answer the followings:

5.1. **When did you carry out it?**

During 2 years

5.2. **What kind of software did you use?**

For Example:AutoCADMAP3D.....

ArcGIS Adobe Illustrator

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**5.3. What was the target map scale?**

*For Example: For 1/5,000 scale mapping...*

1:85000000 1:120000000 1:155000000

**5.4. What did you think the most importance to during it?**

Knowledge of ArcGIS, Illustrator, Cartography

**6. Could you give an example what should be done for quality control of Map Symbolization if you know?**

Control by professionals

**7. What do you wish to learn through this training?**

Adobe Illustrator CS5

**8. If you have any requests to the Study Team, feel free to describe them.**

*Thank You Very Much for Your Cooperation*

GIS

## Program de transfer tehnologic pe GIS

JICA Study Team

August 2012

### Evaluarea necesității a procesului de instruire

**Scop:** Acest chestionar a fost elaborat pentru a înțelege cunoștințele și experiența Dvs, înainte de a începe procesul de instruire. Echivod de studiu va lua în considerație aceste rezultate pentru a formula conținutul și metodele a procesului de transfer tehnologic.

1. Nume: Maria OVIDI
2. Organizație: Agencia Relatiō Funcionare șe Cadastral
3. Post ocupat: Șef Direcție Geodezie, Cartografie
4. Grad științific/ Specialitatea: Dr. Ing.
5. Indicați trei responsabilități al Dvs importante.
  - ① Coordonarea proiectului de șeb în domeniul
  - ② managementul cartogr. șe geod. naționali.
  - ③ Dezvoltarea colabor. internaționale
6. Care este nivelul Dvs de limbă engleză?  
 Excelent     Foarte bun     Bun     Intermediar     Începător
7. Indicați nivelul Dvs de cunoștințe despre GIS  
 Excelent     Foarte bun     Bun     Intermediar     Începător
8. Indicați nivelul Dvs de cunoștințe despre structura de date GIS, cum ar fi tipuri de date folosite pentru GIS și topologie de date.  
 Excelent     Foarte bun     Bun     Intermediar     Începător

9. Ați lucrat vreodata cu programele pentru GIS?

Da  Nu

Dacă "Da", răspundeți la următoarele întrebări:

9.1. Ce fel de programe? (Bifați toate variantele relevante)

- |  |   |
|--|---|
| <input type="checkbox"/> ESRI ArcView 3.2                        | <input type="checkbox"/> ESRI ArcGIS ver 9 (ArcView)    |
| <input type="checkbox"/> ESRI ArcGIS ver 9 (ArcEditor)           | <input type="checkbox"/> ESRI ArcGIS ver 9 (ArcInfo)    |
| <input type="checkbox"/> ESRI ArcGIS ver 10 (ArcView)            | <input type="checkbox"/> ESRI ArcGIS ver 10 (ArcEditor) |
| <input checked="" type="checkbox"/> ESRI ArcGIS ver 10 (ArcInfo) | <input checked="" type="checkbox"/> MapInfo             |
| <input type="checkbox"/> Altele                                  |   |

Dacă alegeți "Altele", indicați denumirea programului

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9.2. Ce tip de lucru ați efectuat? Descrieți în detalii, inclusiv și scara datelor cu care ați lucrat (de exemplu, 1/5,000; 1/25,000).

*Verificarea și recepția lucrărilor:  
Euro Regional Map 1:250 000*

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10. Cunoașteți (înțelegeți) sisteme de coordonate? ( Map Projection, Datum)

Excelent  Foarte bine  Bine  Intermediar  Rău

11. Ce fel de cunoștințe sau ce tehnologii doriți să însușiți în urma acestei instruirii?

Indicați numărul de ordine după prioritate.

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Cum se operează cu programele GIS instalate în cadrul proiectului (ArcGIS 10) | <input checked="" type="checkbox"/> Concept general despre GIS          |
| <input checked="" type="checkbox"/> Tendințe în domeniul GIS și datelor spațiale în Japonia                       | <input checked="" type="checkbox"/> Mijloace pentru crearea datelor GIS |
| <input checked="" type="checkbox"/> Mijloace de control al calității pentru crearea datelor spațiale în Japonia   | <input checked="" type="checkbox"/> Altele                              |

Dacă ați ales "Altele", dați o descriere mai detaliată

- i) Utilizarea și distribuirea datelor prin Internet
- ii) Standardele pentru datele spațiale

12. Descrieți, după cum cunoașteți, tendințe sau situația curentă în domeniul de utilizare a GIS și baze de date GIS, cum ar fi formatul datelor și scara datelor în Moldova.

Conform legislației în vigoare, la moment în Republica Moldova sunt aprobate 2 SIB de referință:

- 1) Harta de referință de bază cu gradul de detaliere 1: 50 000
- 2) Harta de referință de bază cu gradul de detaliere 1: 5000 (pentru extracțiuni) și 1: 2000 (pentru ambalajare)

13. Dacă aveți ceva cereri sau propuneri, sunteți bine veniți.

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Vă Mulțumim Pentru Colaborare

## Technology Transfer Program on GIS

JICA Study Team

August 2012

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. **Name:** OVDII MARIA

2. **Organization:** ALRC

3. **Position:** Head of Department Geodesy, Cartography

4. **Academic Degree/Major Subject:** Dr, Engineer

5. **Please List Your Three Major Responsibilities.**

- ① **State policy coordination in the domain**
- ② **National cartography and geodesy management**
- ③ **International collaboration development**

6. **What is your level of English?**

- Excellent     Very Good     Good     Average     Poor

7. **Please rank your knowledge about GIS**

- Excellent     Very Good     Good     Average     Poor

8. **Please rank your knowledge about GIS data structure such as data types to be used as GIS data and data topology.**

- Excellent     Very Good     Good     Average     Poor

**9. Have you ever operated GIS software?**

- Yes                       No

If “Yes”, please answer the followings:

**9.1. What kind of the software? (Check all that apply)**

- |  |   |
|--|---|
| <input type="checkbox"/> ESRI ArcView 3.2                        | <input type="checkbox"/> ESRI ArcGIS ver 9 (ArcVew)     |
| <input type="checkbox"/> ESRI ArcGIS ver 9 (ArcEditor)           | <input type="checkbox"/> ESRI ArcGIS ver 9 (ArcInfo)    |
| <input type="checkbox"/> ESRI ArcGIS ver 10 (ArcVew)             | <input type="checkbox"/> ESRI ArcGIS ver 10 (ArcEditor) |
| <input checked="" type="checkbox"/> ESRI ArcGIS ver 10 (ArcInfo) | <input checked="" type="checkbox"/> MapInfo             |
| <input type="checkbox"/> Others                                  |   |

If “Others”, please describe name of its software

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**9.2. What were the contents of works? Please describe them in detail including the worked data scale (For example, 1/5,000; 1/25,000).**

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Works control and reception

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Euro Regional Map 1:250 000

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**10. Do you understand the coordinate systems? (i.e. Map Projection, Datum)**

- Excellent             Very Good             Good             Average             Poor

**11. What kind of knowledge or technology do you want to acquire through this opportunity? Please put order numbers.**

- ✓ How to operate GIS software installed in the project (ArcGIS 10)    ✓ General concept of GIS
- ✓ Trend of GIS and spatial data in Japan    ✓ Means for GIS data creation
- ✓ Means of quality control for spatial data creation in Japan    ✓ Others

If “Others”, please describe them

i) Data use and dissemination through the internet

ii) Spatial data standards

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**12. Please describe trend or current situation of GIS utilization and GIS database such as data format and data scale in Moldova as far as you know.**

According to the current legislation in the Republic of Moldova, 2 laws regarding GIS system have been approved:

1) Digital base map of the scale 1:50 000

2) Digital base map of the scale 1:5000 and 1:2000

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**13. If you have any requests to the Study Team, feel free to describe them.**

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*Thank You Very Much for Your Cooperation*



## Technology Transfer Program on GIS

JICA Study Team

August 2012

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

- 
1. Name: Tamara Rudenco
  2. Organization: ALRC (Fondue Nationale Date Geospatiale)
  3. Position: \_\_\_\_\_
  4. Academic Degree/Major Subject: Cartographen
  5. Please List Your Three Major Responsibilities.
    - ① Administrator of the portal [www.geoportale.md](http://www.geoportale.md)
    - ② To develop electronic database on the Fond
    - ③ Accumulates all geodetic, cartographic material and distributed for use to public authorities and private sector.
  6. What is your level of English?  
 Excellent     Very Good     Good     Average     Poor
  7. Please rank your knowledge about GIS  
 Excellent     Very Good     Good     Average     Poor
  8. Please rank your knowledge about GIS data structure such as data types to be used as GIS data and data topology.  
 Excellent     Very Good     Good     Average     Poor

9. Have you ever operated GIS software?

- Yes                       No

If "Yes", please answer the followings:

9.1. What kind of the software? (Check all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> ESRI ArcView 3.2              | <input checked="" type="checkbox"/> ESRI ArcGIS ver 9 (ArcView) |
| <input type="checkbox"/> ESRI ArcGIS ver 9 (ArcEditor) | <input checked="" type="checkbox"/> ESRI ArcGIS ver 9 (ArcInfo) |
| <input type="checkbox"/> ESRI ArcGIS ver 10 (ArcView)  | <input type="checkbox"/> ESRI ArcGIS ver 10 (ArcEditor)         |
| <input type="checkbox"/> ESRI ArcGIS ver 10 (ArcInfo)  | <input checked="" type="checkbox"/> MapInfo                     |
| <input checked="" type="checkbox"/> Others             |   |

If "Others", please describe name of its software

AutoCAD

9.2. What were the contents of works? Please describe them in detail including the worked data scale (For example, 1/5,000; 1/25,000).

Creating, editing and control digital maps

10. Do you understand the coordinate systems? (i.e. Map Projection, Datum)

- Excellent       Very Good       Good       Average       Poor

11. What kind of knowledge or technology do you want to acquire through this opportunity? Please put order numbers.

- \_\_\_ How to operate GIS software installed in the project (ArcGIS 10)      \_\_\_ General concept of GIS
- \_\_\_ Trend of GIS and spatial data in Japan      \_\_\_ Means for GIS data creation
- \_\_\_ Means of quality control for spatial data creation in Japan      \_\_\_ Others

If "Others", please describe them

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12. Please describe trend or current situation of GIS utilization and GIS database such as data format and data scale in Moldova as far as you know.

Digital maps:

1. 1:200 000

2. EuroGlobal Map - 1:1 000 000

3. EuroRegional Map 1:250 000

4. EuroBoundary Map

5. Euro DEM

Format: ArcGIS

13. If you have any requests to the Study Team, feel free to describe them.

Tools for creation and maintenance of metadata necessary for the discovery of datasets and services

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*Thank You Very Much for Your Cooperation*

## Technology Transfer Program on GIS

JICA Study Team

August 2012

### Training Need Assessment

**Purpose:** This questionnaire is to understand your experiences and knowledge before conducting Technology Transfer. The Study Team will consider this result in formulating the contents and ways of Technology Transfer.

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1. **Name:** RUDENCO TAMARA

2. **Organization:** ALRC (National Fund of Geospatial Data)

3. **Position:** \_\_\_\_\_

4. **Academic Degree/Major Subject:** Cartographer

5. **Please List Your Three Major Responsibilities.**

- ① **Administration of the portal [www.geoportal.md](http://www.geoportal.md)**
- ② **Development of electronic database of the Fund**
- ③ **Accumulation of all geodetic, cartographic materials and distribution for use to public authorities and private sector**

6. **What is your level of English?**

- Excellent     Very Good     Good     Average     Poor

7. **Please rank your knowledge about GIS**

- Excellent     Very Good     Good     Average     Poor

8. **Please rank your knowledge about GIS data structure such as data types to be used as GIS data and data topology.**

- Excellent     Very Good     Good     Average     Poor

**9. Have you ever operated GIS software?**

- Yes                       No

If “Yes”, please answer the followings:

**9.1. What kind of the software? (Check all that apply)**

- |  |   |
|--|---|
| <input type="checkbox"/> ESRI ArcView 3.2              | <input checked="" type="checkbox"/> ESRI ArcGIS ver 9 (ArcView) |
| <input type="checkbox"/> ESRI ArcGIS ver 9 (ArcEditor) | <input checked="" type="checkbox"/> ESRI ArcGIS ver 9 (ArcInfo) |
| <input type="checkbox"/> ESRI ArcGIS ver 10 (ArcView)  | <input type="checkbox"/> ESRI ArcGIS ver 10 (ArcEditor)         |
| <input type="checkbox"/> ESRI ArcGIS ver 10 (ArcInfo)  | <input checked="" type="checkbox"/> MapInfo                     |
| <input checked="" type="checkbox"/> Others             |   |

If “Others”, please describe name of its software

AutoCAD

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**9.2. What were the contents of works? Please describe them in detail including the worked data scale (For example, 1/5,000; 1/25,000).**

Creation, editing and control of digital maps

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**10. Do you understand the coordinate systems? (i.e. Map Projection, Datum)**

- Excellent             Very Good             Good             Average             Poor

**11. What kind of knowledge or technology do you want to acquire through this opportunity? Please put order numbers.**

- |   |  |
|---|--|
| <input type="checkbox"/> How to operate GIS software installed in the project (ArcGIS 10)       | <input type="checkbox"/> General concept of GIS      |
| <input checked="" type="checkbox"/> Trend of GIS and spatial data in Japan                      | <input type="checkbox"/> Means for GIS data creation |
| <input checked="" type="checkbox"/> Means of quality control for spatial data creation in Japan | <input type="checkbox"/> Others                      |

If “Others”, please describe them

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**12. Please describe trend or current situation of GIS utilization and GIS database such as data format and data scale in Moldova as far as you know.**

Digital map:

1. 1:200 000
2. EuroGlobal Map – 1:1000 000
3. EuroRegional Map – 1:250 000
4. EuroBoundary Map
5. Euro Dem

**13. If you have any requests to the Study Team, feel free to describe them.**

Tools for creation and maintenance of metadata necessary for the discovery of datasets and services

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