

**Czech Development agency**

 **„Temporary Expert Assignment“**

**INCREASING QUALITY OF UKRAINIAN FURNITURE**

Prepared by: doc. Ing. Daniela Tesařová, Ph.D.

- June 2016-

**Temporary expert assignment (within the framework of transfer of Czech transitional expertise)**

**Title in Czech Language:**

Zvýšení kvality nábytku ukrajinské provenience

**Title in English Language:**

**Increasing Quality of Ukrainian Furniture**

**Applicant:**

Mendel University in Brno

**Partner Institutions:**

As stated in the Attachement V. to the Contract.

**Estimated Area of Expertise:**

All members of the experts´ team are working at Mendel University in Brno, Faculty of Forestry and Wood Technology in Department of Furniture, Design and Habitation. The mission of Department of Furniture, Design and Habitation consists of university educational activities focused on preparing new generation of bachelors and diploma engineers specialized in furniture. Having managed both theoretical and practical knowledge and skills, graduates are able to compete in domestic and international environment and integrate in all development areas: wood processing, design and surface testing in specialized laboratories. **The Department of Furniture, Furniture Design and Habitation offers both bachelor and master studies. Bachelor´s study program takes three years further master´s degree program takes two years. Bachelor study program graduates are awarded the degree of Bc. (Bachelor); master degree program graduates are awarded the degree of Ing. (Diploma Engineer).**

**The members of** experts´ **team are** working in the Testing Centre and Accelerated Testing Laboratory*.* This testing laboratoryoffers any tests of wooden and upholstered furniture, testing mechanical, physical, chemical properties of furniture, determining formaldehyde and VOC emissions according to EU standards. In collaboration with university testing centre STV there are issued relevant products certificates.  The testing laboratory has had the 50 years experiences with the testing of furniture.

At present, the furniture testing centre is the only one centre able to accomplish comprehensive tests of the products and materials as follows:

* Chairs
* Tables
* Storage furniture
* Sleeping furniture
* Working furniture
* Dining furniture
* Upholstered furniture
* Outdoors furniture, costumers furniture

*The individual members of the team are responsible for different branches for testing of furniture.*

**Ing. Holouš Zdeněk, Ph.D.** the former head of Furniture accredited testing laboratory with the responsibility for testing mechanical, physical properties of furniture and the durability of furniture and for testing mechanical, physical properties of furniture and the durability of furniture

#### Doc. Ing. Daniela Tesařová, Ph.D. head of department Furniture, design and habitat and former manager quality of Furniture accredited testing laboratory, especially responsible for testing properties of furniture finished surfaces and quality and quantity of VOC emissions emitted by furniture in indoor air

**Expected Start and End Dates:**

2016, November 1 – 30

(With expected days in the field 2016, November 15 – 17, including round trip.)

**Total Amount of Days in the Field:**

1 day in field

**Expected Partner’s Institution Type of Cooperation**:

Ukrainian manufacturing medium-sized companies producing the furniture

**The type of cooperation**

The type of cooperation consists from the presentations and the training for representatives of Ukrainian manufacturing medium-sized companies, to increase the foreknowledge of the technical and administrative requirements for the placement of products on the EU market presented by Czech experts. The increasing of the foreknowledge in the branch of the technical and administrative requirement will be checked by the final test.

The project will be the following these activities

1. The sending the group of experts from Mendel University in Ukraine, in order to present the training in the following contents :
2. The presentation of the EU system of furniture certification, the conditions for placing products on the market EU, including relevant legislation (about 2 hours),
3. The introducing the system of the furniture testing, doors and windows testing from the point of fulfilling the requirements for furniture safety, durability, and fulfilling the requirements for physical and mechanical properties and appearance of furniture surface from the view of the individual furniture groups (4 hours)
4. Products of third-country nationals and their access to the EU market, procedures and powers system of the performance the system of testing laboratories in the EU. The system quality of furniture in the EU, the list of authorized/notified bodies (laboratories) in the EU/CR and accredited testing laboratories of furniture , the possibility of using their services (about 1 hour )
5. The introducing of the portal e-furniture.info (1 hour)
6. Expert discussion (about 1 hour )
7. The devoting of professional training materials to the participants of the trainings. The part of materials (CD) will be introducing the list of Czech Authorised / Notified Bodies (Laboratories) and accredited testing laboratories for furniture.
8. The presentation will include units focused on the distribution of furniture and furniture surfaces from the view of EU requirements, aimed on the different groups of furniture and requirements on them, on the wholesomeness of furniture and on the requirements of the finished surfaces of furniture. The lectures will focu on requirements of different kinds of doors and windows and the conditions of the certification and notification getting in EU.
9. The discussing the possibility of the preparing the mutation of the portal e-furniture.info in the Ukrainian language
10. The elaboration of the report summarizing the findings including recommendations and materials prepared for the seminar.

**Expected Outcomes and Results by the Applicant:**

1. Introducing the way of furniture testing in EU,
2. The presentation of the EU system of furniture certification, doors certification and notification and windows certification and notification together with introducing the conditions for placing products on the market EU, including relevant legislation,
3. Increasing the level of requirements knowledge especially in the technical and mechanical properties, durability of furniture, doors and windows
4. Increasing the level of information in the way of testing doors. furniture and windows properties according European standards
5. Increasing the level of knowledge in furniture production, doors production and windows production
6. One set of recommendations to be followed in writing form

**Team Members**:

Doc. Ing. Tesařová Daniela, Ph.D. with branch of responsibility:

* conditions of the certification, notification and authorisation
* requirements for finished surfaces and the way of furniture testing of mechanical, physical, aesthetic and properties of furniture finished surfaces.
* recommendations for improving the quality of furniture
* system of accelerated testing laboratories.

Ing. Zdeněk Holouš, Ph.D.  D  with branch of responsibility:

* the requirements for mechanical, physical properties of furniture and the durability of furniture in depend of kind of furniture.
* the requirements for mechanical, physical properties of doors and windows
* Recommendations for improving the quality of furniture, doors

**Amount of Work per Expert in Total:**

1 day in Ukraine; 31-32 hours for preparing the presentation, 5 hours for writing the summarizing report approximately per expert in Czech Republic

**Amount of Work per Team in Total:**

1 days in Ukraine, 73 hours for preparing the presentation, 10 hours for writing the summarizing report approximately per team in Czech Republic

**Funding:**

As stated in Annex III.

**Complementarity:**

Presentation for Ukrainian manufacturing companies (CzDA-RO-UA-2014-7-15110): The aim was to send experts ÚNMZ to Ukraine (Kiev and Dnipropetrovsk) for the purpose of presentations and training for representatives of Ukrainian manufacturing medium-sized companies to increase awareness of the technical and administrative requirements for the placement of products on the EU market.