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UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION

(UNIDO)

CONTRACT TERMINAL REPORT

Project No.: XP/RER/95/038

Country: **Russia**

Title: **Strengthening Industrial and Business Information Centers for SMES in Russia and other Selected Countries**

Contract No.: 95/214

Purchase Order No.: 15-5-1214H

Contractor: **Joint Stock Company "Radiophysika"**

Aim of Contract: **"Facilitation of a worldwide access to industrial information databases for the users in the selected CIS countries by connection the Russian Network to the European Wide Area Network"**

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Part A. Introduction

Investigations concerning actual and prospective users and their needs show tremendous demand for the various types of technical, industrial and business information. At the same time the existing information infrastructure in Russia and other CIS countries cannot meet this demand.

In 1994 UNIDO has organized and conducted two workshops on business information centers development in Eastern Europe and CIS (Budapest, Hungary; Moscow, Russia). The workshops confirmed that there are common problems which require a similar and co-ordinated approach, making an exchange of experience and international co-operation very desirable and important.

All the workshops' participants who were representatives from Eastern Europe countries and FSU focused on such high priority needs as:

- implementation of new information technologies for SME's activity support and personnel training;
- strengthening the capacity of existing information centers (state-owned or private) to provide industrial and business information services to SMEs;
- focusing efforts and resources towards developing information resources useful for the countries of the region in the fields of data on technology, enterprises, data on production, national legislation, the stock market. Special attention to be paid to the development of INTERNET facilities;
- promoting the creation of sub-regional information / telecommunication systems to strengthen the national and transborder connections of SMEs;

Following the countries' recommendations in 1995, UNIDO together with UNESCO organized a Pilot Training Course for FSU professionals on INTERNET (general structure, the network services, using services and retrieval systems for the needs of enterprises, etc.) and began to promote the step-by-step implementation of the project "Strengthen/establish business information centres for SMEs in Russia and other FSU countries" on the basis of VSAT technology to promote Euro-Asian business information/telecommunication systems, with partial financial support of the Presidential Committee of the Russian Federation for Informatization Policy.

Project phase I (1995) execution has have to facilitate improvement and integration of the existing national information centres supporting databases on information of enterprises (title, specialization, scale, production, financial state), partnership, goods and stock market, exchanges, legislation and legal acts. Improvement of information collection and dissemination and

development of information funds allocation for databases and telecommunication infrastructure development as well as on UNIDO's support.

Part B. Work Description

Project phase I fulfilment objective is strengthening of telecommunication infrastructure on the basis of VSAT's ground station installation giving the INTERNET connection through satellite channel.

Roscominform (Presidential Committee of Russian Federation for Informatization) office building has been chosen for the location of VSAT ground station. There is situated the important telecommunication node, which will be developed to a marked degree in near future. To strengthen the network creating the connection between Roscominform station and acting centres of business information has been realized.

Two centres of business information (OLVIT and MNIC) are connected to VSAT ground station at Roscominform pilot transborder telecommunication node. Also, three most known Russian wide-areas networks (IASNET, ROSPAC, ROSNET) having their nodes being connected with dedicated lines in about 200 cities of Russia, are connected with the Roscominform node.

According to the Contract conditions JSC "Radiophysika" has to do the following work:

- to install the leased line between the Institute of Automated Systems (IAS) and Roscominform to connect Roscominform ground station with acting business information centres;
- to install VSAT ground station (type PES, Hughes Network Systems) at Roscominform;
- to tune the equipment, to connect VSAT ground station installed with one of European teleports (the one in Budapest, Hungary has been chosen), to provide the access to INTERNET and necessary services, to test the network interconnection;
- to submit to UNIDO, Vienna Terminal Report.

Part C. Work Performance

In accordance with Contract conditions (item 3.03) there are four stages of the work fulfilment:

3.03 a) the installation of the leased line between IAS and Roscominform as per paragraph C.1. of the Terms of Reference (Annex B of the Contract).

Stage 3.03 a) has been fulfilled completely. Act on performance of stage 3.03 a) (act No. 1) dated 30 October, 1995 is attached hereto as Annex A. The act has been signed by UNIDO Project Coordinator and JSC "Radiophysica" Vice General Director.

3.03 b) the installation of VSAT ground station at Roscominform as per paragraph C.2. of the Terms of Reference.

Stage 3.03 b) has been fulfilled completely. Act on performance of stage 3.03 b) (act No. 2) dated 30 October, 1995 is attached hereto as Annex B. The act has been signed by UNIDO Project Coordinator and JSC "Radiophysica" Vice General Director.

3.03 c) network interconnection tests as per paragraph C.4. of the Terms of Reference.

Stage 3.03 c) has been fulfilled completely. Act on performance of stage 3.03 c) (act No. 3) dated 20 December, 1995 is attached hereto as Annex C. The act has been signed by UNIDO Project Coordinator and JSC "Radiophysica" Vice General Director.

3.03 d) Terminal Report preparing and submittance as per paragraph 2.03 of the Contract.

Stage 3.03 d) has been fulfilled completely. Act on performance of stage 3.03 d) (act No. 4) dated 20 December, 1995 is attached hereto as Annex D. The act has been signed by UNIDO Project Coordinator and JSC "Radiophysica" Vice General Director.

Part D. Work Outputs

1. Realization of a possibility of access to abroad business information resources on the basis of VSAT ground station installation and it's connection with most known acting Russian business information centres and networks.

2. Possibility of development of satellite communications infrastructure on the next stages of UNIDO Project No. XP/REP/95/38.

Annex 1.

**Act No. 1
on performance of stage 3.03 a) of Contract No. 95/214
between UNIDO and JSC "RADIOPHYZIKA"**

" " _____ 1995

The City of Moscow

This Act is drawn up that in performing the Project No. XP/REP/95/38 (Purchase order No. 15-5-1214 H), and in accordance with the Contract No. 95/214, item 3.03 a), JSC "Radiophysika" has completely performed the work on installing and having a lease of the line between the Institute of Automatic Systems (IAS) and Roscominform.

The work has been performed with engagement of a subcontractor by the Contract No. 10K-355, and completely paid, that is confirmed by the corresponding documents presented.

This Act is the basic for payment the work on item 3.03 a) of the Contract No. 95/214.

Invoice is enclosed.

Vice General Director
JSC "Radiophysika"

B.A. Levitan

Project Coordinator
Vice General Director
IAS

Yu.A. Sovostitskiy

Annex 2.

Act No. 2
on performance of stage 3.03 b) of Contract No. 95/214
between UNIDO and JSC "RADIOPHYZIKA"

" _____ " _____ 1995

The City of Moscow

This Act is drawn up that in performing the Project No. XP/REP/95/38 (Purchase order No. 15-5-1214 H), and in accordance with the Contract No. 95/214, item 3.03 b), JSC "Radiophysika" has completely performed the work on installing a satellite antenna in Roscominform.

The work has been performed with engagement of a subcontractor by the Contract No. 579/95, and completely paid, that is confirmed by the corresponding documents presented.

This Act is the basis for payment the work on item 3.03 b) of the Contract No. 95/214.

Invoice is enclosed.

Vice General Director
JSC "Radiophysika"

B.A. Levitan

Project Coordinator

Yu.A. Sovostitskiy

Annex 3.

**Act No. 3
on performance of stage 3.03 c) of Contract No. 95/214
between UNIDO and JSC "RADIOPHYZIKA"**

" _____ " 1995

The City of Moscow

This Act is drawn up that in performing the Project No. XP/REP/95/38 (Purchase order No. 15-5-1214 H), and in accordance with the Contract No. 95/214, item 3.03 c), JSC "Radiophysika" has completely performed the work on equipment tuning and testing of the network interconnection.

The work has been performed with engagement of a subcontractor by the Contract No. 579/95 and completely paid, that is confirmed by the corresponding documents presented.

This Act is the basis for payment the work on item 3.03 c) of the Contract No. 95/214.

Invoice is enclosed.

Vice General Director
JSC "Radiophysika"

B.A. Levitan

Project Coordinator
Vice General Director
IAS

Yu.A. Sovostitskiy

Annex 4.

**Act No. 4
on performance of stage 3.03 d) of Contract No. 95/214
between UNIDO and JSC "RADIOPHYZIKA"**

" _____ " _____ 1995

The City of Moscow

This Act is drawn up that in performing the Project No. XP/REP.95/38 (Purchase order No. 15-5-1214 H), and in accordance with the Contract No. 95/214, item 3.03 d), JSC "Radiophysika" has completely performed the work on Terminal Report preparing.

Terminal Report has been submitted to UNIDO and the Institute of Automatic Systems.

This Act is the basic for payment the work on item 3.03 d) of the Contract No. 95/214.

Invoice is enclosed.

Vice General Director
JSC "Radiophysika"

B.A. Levitan

Project Coordinator
Vice General Director
IAS

Yu.A. Sovostitskiy