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FINNT² EVALUATION REPORT 1994

FINNISH TECHNOLOGY TRANSFER CENTER, FINNT²

JANUARY, 1995

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Tielaitos
Kirjasto

Dokno: 950895
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1. BACKGROUND

This Evaluation Report 1994 of the Finnish Technology Transfer Centers FinnT² is the second annual self-evaluation in succession.

The establishment of FinnT² was based on the Memorandum of Understanding signed by the Federal Highway Administration (FHWA), USA and the Finnish National Road Administration (Finnra) on May 19, 1993. A self-evaluation is annually made in accordance with this agreement.

The Lithuanian Road Administration established its T² Center in late 1993 and the Estonian and Latvian Road Administrations their T² Centers in early 1994. FinnT² realizes the international regional technology transfer center concept of INTERCHANGE.

Work Plan 1994 of FinnT², approved on January 27, 1994 is regarded as comparison material for this self-evaluation.

2. GENERAL FEATURES IN THE OPERATION IN 1994

The year under evaluation, 1994, was the first full year of operation of FinnT². It can in a few words be characterized as (a) settling down of FinnT² and its office operation, (b) establishing, starting up and supporting of T² Centers in the Estonian, Latvian and Lithuanian road administrations, (c) strengthening of relationships with the American and Baltic parties and (d) participating in creating of INTERCHANGE, Global Road Transport Knowledge Exchange Network.

FinnT² all the year carried out its fundamental task, exchange of road sector knowledge orally, in writing and visually. This was done within Finnra and the Finnish road and traffic community, with the Baltic Countries on regional basis, with U.S. organizations based on the above-mentioned agreement and, within the framework of INTERCHANGE, globally. After the PIARC decision made in Casablanca in June, 1994 to initiate the establishment of INTERCHANGE, enquiries from non-European continents to FinnT² essentially increased in number.

Training was not realized to the extent originally planned in the work plan. This was due to the fact that the parties involved afterwards decided that only two technical training courses were arranged in 1994 for the personnel of the Baltic road administrations.

As a whole, the activities presented in the Work Plan 1994 of FinnT² were successfully carried out. Also activities not originally planned were done by FinnT² in 1994.

3. MAIN ACTIVITIES IN 1994

January

FinnT² Office was relocated in the beginning of 1994. The new location is Export Services Unit of Finnra.

FinnT² Evaluation Report 1993 was drawn up.

FinnContact 3/1993 appeared.

Purchasing of office equipment for the Baltic T² Centers was started.

Work Plan 1994 of FinnT² was approved.

February

Baltic T² Centers compiled their Work Plans for 1994.

Search for Baltic candidates for IRF Fellowship Program and Minnesota Engineer Exchange was set going.

March

Meeting of FinnT² Advisory Committee was held on March, 4.

Preparation of specifications for the circuit rider van was started.

April

FHWA delegation (Bob Ford, Bill Williams and Dan Malik) visited Finnra on April, 6-7.

Office equipment purchased was carried to the Baltic T² Centers by Arto Tevajärvi.

Nelda Bravo, FHWA, visited Finnra on April, 22.

Technology Transfer Seminar was held in Riga, Latvia on April, 27-28 with participants from the three Baltic road administrations, Finnra and USA.

FinnContact 1/1994 appeared at the end of April.

May

Pavement Rehabilitation Course for some 40 participants from the three Baltic road administrations was arranged on May, 2-6 in Riga, Latvia with Americans as lecturers.

Nelda Bravo visited Finnra on May, 9.

Kirsi Korhonen started to work as secretary of FinnT² on May, 16.

A second-hand Chevrolet Startcraft Chevy Van was bought for circuit rider van operations.

Benamina Valeckaite (LitT²) and Andrus Aavik (EstT²) went to Minnesota DOT for engineer exchange for 10 months.

June

Raimo Tapio and Jarmo Ikonen participated in the INTERCHANGE Founders Conference of PIARC in Casablanca on June, 9-11. Declaration of Intent to initiate the establishment of INTERCHANGE was signed.

July

FinnContact 2/1994 appeared.

Todd Swenson from USA started to work at FinnT² Office on July, 11 for 6 months.

Jarmo Ikonen and Arto Tevajärvi visited FHWA, USA on July, 27-28.

August

Andrus Aavik (EstT²), Guna Skangale and Armands Kronlaks (LatT²), Virgaudas Puodziukas and Benamina Valeckaite (LitT²) and Jarmo Ikonen and Arto Tevajärvi (FinnT²) participated in the U.S. T² Conference in Phoenix, Arizona on July, 31 - August, 3.

The above-mentioned 5 Balts and Arto Tevajärvi had a study tour with Nelda Bravo in Arizona and California on August, 4-12.

Circuit rider van was ready for operation in late August (after the equipment had been purchased and the van furnished).

September

Meeting of FinnT² Advisory Committee was held on September, 2.

Bob Ford visited Finnra on September, 16.

Winter Maintenance Course for some 40 participants from the three Baltic road administrations was arranged on September, 19-23 in Laulasmaa, Estonia with Finns as lecturers.

Circuit rider van had its first run in connection with the Laulasmaa Course.

XIV Baltic Road Conference, organized by IRF and Baltic Road Council, took place in Birstonas, Lithuania on September, 25-29. Jarmo Ikonen presented his report "FinnT² and T² Activities in the Baltic Countries" in the conference.

INTERCHANGE Organizing Group Meeting was held in Brussels, Belgium on September, 29-30. Jarmo Ikonen, belonging to the Organizing Group, participated in the meeting. He was also chosen a member of Working Group V, "Organizational and Legal Issues".

October

Circuit rider van attended Road and Transportation Seminar of the Finnish Road Association in Tampere on October, 5-6. Demonstrations of traffic control simulation were given by help of the van by Helsinki University of Technology.

November

FinnContact 3/1994 appeared.

Technology Transfer Seminar took place in Kaunas, Lithuania on November, 15-16 with participants from the three Baltic road administrations, USA and Finnra.

December

Meeting of FinnT² Advisory Committee was held on December, 9.

4. SUMMARY

Briefly, the operation of FinnT² in 1994 is regarded as very successful by FinnT² itself. A request for feedback is hereby made to the parties involved in cooperation with FinnT².

January 18, 1995



Jarmo Ikonen

Executive Director of FinnT²

COSTS OF FINNT² OPERATION IN 19941. Finnra Financing

- Manpower, purchases, travels, consultants	FIM 1 351 588.32
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2. Finnish Ministry (LM) Financing

FinnT² operation for the Baltic Countries

- Office equipment	FIM 89 092.17
- Circuit rider van	FIM 85 107.55
- Training courses	FIM 164 323.46
- Engineer exchange and technical assistance	<u>FIM 58 633.74</u>
	FIM 397 165.92

3. FHWA Financing

Two FHWA payments (cheques) to FinnT²: USD 30 000 (Dec 27, 1993) and USD 38 600 (Aug 8, 1994) equivalent to FIM 371 476.20.

Costs (translations) in 1993 FIM 58 593.00, see Evaluation Report 1993. Available for 1994 FIM 312 883.20.

- Office equipment for Baltic T ² Centers, circuit rider van, minor costs (DHL etc.) related to engineer exchange candidate choice and Pavement Rehabilitation Course	FIM 233 483.57
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Balance (Dec 31, 1994)	FIM 77 081.33
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Rest of the FHWA financing mentioned in Appendix 2 of Work Plan 1994 of FinnT² was spent directly by FHWA.



Finnish National Road
Administration (FinnRA)
Export Services

January 27, 1994

Vk-14/94/20/TIEL/4

Estonian, Latvian and Lithuanian Road Administrations

WORK PLANS 1994 FOR THE TECHNOLOGY TRANSFER CENTERS

Please find annexed the Work Plan 1994 of the Finnish Technology Transfer Center FinnT2. Cost estimate of the activities of the Baltic T2 Centers planned to be financed by the U.S. Federal Highway Administration and Ministry of Transport and Communications of Finland is included in the FinnT2 Work Plan as Appendix 2.

We kindly ask you compile the Work Plan of your own T2 Center by the end of February. We also suggest that the Work Plan will be made in a brief form using the FinnT2 Work Plan as a pattern.

Please find also some pieces of advice annexed for the compilation.

Director
Export Services


L. Rämö

Executive Director
Finnish Technology Transfer Center FinnT2


J. Ikonen

ANNEXES

Work Plan 1994 for the Finnish Technology Transfer Center (Annex A)
Pieces of Advice for Work Plan 1994 Compilation (Annex B)

CC.

Federal Highway Administration, USA (Bob Ford)
Members of FinnT2 Advisory Committee
FinnRA (J.Saisto, M-P.Rasilainen, O.Nordenswan, M.Pukkila,
J.Torniainen, T.Angervuori, A.Tevajärvi)

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**Work Plan 1994 for the
Finnish Technology Transfer Center (FinnT2)**

WORK PLAN 1994 FOR
THE FINNISH TECHNOLOGY TRANSFER CENTER (FINNT2)

1. BACKGROUND

The Finnish National Road Administration (FinnRA) and the Federal Highway Administration (FHWA) of USA signed a Memorandum of Understanding on highway transportation technology exchange on May 19, 1993 in Madrid.

The Memorandum of Understanding includes the establishment of a Technology Transfer (T2) Center in Finland. According to the Memorandum this center will be the focal point for the exchange of highway transportation technology, dissemination of information and undertaking cooperative projects. This center is called FinnT2.

FinnT2 was officially established by the signing of the above-mentioned Memorandum of Understanding.

FinnT2 is linked with the T2 Center network of FHWA.

A Technology Transfer Seminar was held in Helsinki on September 21-22, 1993. As a conclusion it was stated in the seminar that the Estonian, Latvian and Lithuanian Road Administrations will each establish a T2 Center within their organization during 1994.

2. MISSION OF FINNT2

The Finnish Technology Transfer Center FinnT2 is a cooperation organization for international and domestic technology transfer in highway transportation.

FinnT2 also serves as a communication forum between organizations, people and cultures in highway transportation sector.

Furthermore, FinnT2 creates opportunities for international and domestic joint projects.

FinnT2 realizes the international regional technology transfer center concept.

3. LOCATION

FinnT2 is located within FinnRA Headquarters in Helsinki. It is a division within FinnRA's Export Services.

4. PERSONNEL

The personnel of FinnT2 consists in the early part of 1994 of the following persons:

- Mr. Jarmo Ikonen, Executive Director, M.Sc.(Civ. Eng.), full-time
- Mr. Arto Tevajarvi, Technology Transfer Engineer, B.Sc.(Civ. Eng.), half-time
- Ms. N.N, Secretary, half-time

FinnT2 has a technology transfer contact person network within the units of FinnRA Headquarters.

Services of Helsinki Development Unit in FinnRA's Construction and Maintenance Unit will be utilized in domestic technology transfer for the FinnRA's regional organization.

5. COST ESTIMATE

The estimated costs of the operation of FinnT2 in 1994 are totally FIM 2 550 000. Distribution by financing sources is as follows:

- FinnRA	FIM 1 427 000
- Ministry of Transport and Communications of Finland	FIM 400 000
- FHWA, USA	FIM 723 000.

Breakdown of the FinnRA financing is presented in Appendix 1. The financing of FinnRA is directed for the operation of the FinnT2 generally.

Breakdowns of the Ministry of Transport and Communications of Finland financing and FHWA, USA financing are presented in Appendix 2. These allocations are directed for the benefit of the Baltic T2 Centers. However, the common circuit rider van will circulate also in Finland and remains as FinnRA's property. FHWA financing includes an allocation also for FinnT2 for translations for Americans.

6. ACTIVITIES AND TIMETABLE

The activities planned to be realized by FinnT2 in 1994 are presented in detail with timetable in Appendix 3.

COST ESTIMATE OF FINNT2 FOR 1994

FINNRA FINANCING, FIM 1 427 000

Manpower charge (personnel of Export Services)

J. Ikonen (100 %)	546 000
Secretary (50 %)	161 000
L.Rämö, P.Ellmen, L.Lehtonen	50 000

Purchases

Furnitures and equipment for FinnT2 Office	40 000
Other	10 000

<u>Travel</u>	100 000
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Consultants

Order from Traffic and Road Research Unit, A. Tevajärvi (50 %), manpower charge	210 000
Order from Construction and Maintenance Unit, manpower charge	150 000
Orders from other FinnRA Units, manpower charge	100 000
Printing of FinnContact	40 000
Other	20 000

1 427 000

COST ESTIMATE OF FINNT2 FOR 1994 FOR THE BENEFIT OF
THE 3 BALTIC T2 CENTERS JOINTLY

FINNISH MINISTRY (LM) FINANCING, FIM 400 000
FHWA FINANCING, FIM 723 000

	LM	FHWA
<u>Purchases</u>		
Office equipment of Baltic T2 Centers	90 000	90 000
Circuit Rider Van (1 pc), with fittings	120 000	120 000
<u>Training</u>		
Technology Transfer Seminar in Riga		9 000
3 Training Courses (for Balts)	70 000	72 000
Technical Seminar in the Baltic Countries		42 000
Technology Transfer Congress in Phoenix, Balts		60 000
IRF Fellowship Program, 1 Balt		150 000
<u>Twining</u>		
Engineer Exchange		
- Finnish-Baltic	90 000	
- American-Baltic		90 000
- Minnesota Exchange		
Technical Assistance		
- Finnish-Baltic	30 000	
- American-Baltic		30 000
<u>Translations for Americans, by FinnT2</u>		60 000

	400 000	723 000

WORK PLAN 1994 FOR FINNT2

		1	2	3	4	5	6	7	8	9	10	11	12	
Selite	RESP.													
- Course C1: Pavement Rehabilitation, Riga, 2-6.5.	KM	Preparation					*							
- Course C2 *)	KM													
- Course C3 *)	KM													
- Technical Seminar *)	KM													
*)Summer-Autumn, only 2 events out of 3 will be arranged?														
- IRF Fellowship Program (1 Balt)	AKT		Candidate choice								Stay in USA			
- US T2 Congress, Phoenix									*					
4. TWINNING														
- Engineer Exchange, USA-Baltics (2 Balts)	AKT		Candidate choice								Stay in Minneapolis			
- Engineer Exchange, Finland-Baltics *)														
- Technical Assistance, USA-Baltics *)														
- Technical Assistance, Finland-Baltics *)														
*)To be decided later														

WORK PLAN 1994 FOR FINNT2

		1	2	3	4	5	6	7	8	9	10	11	12
Selite	RESP.												
- Engineer Exchange, USA-Finland *)	JI, JP								T. Swenson works at FinnT2				
*) Extra FinnRA financing needed													
5. NEWSLETTERS													
- FinnContact 3/93, 1-4/94 appears	JI, AKT	*		*			*			*			*
- Tiennäyttäjä 1-4/94 appears	TANG												
6. STANDARD T2 SERVICES													
- Information Services		[Progress bar]											
- Videotapes		[Progress bar]											
- FHWA Publication Consignments, delivery to Baltic T2 Centers and FinnRA Units, examination		[Progress bar]											
- Translations for Americans		[Progress bar]											
7. COOPERATION WITH PIU													
- Cooperation with Project Implementation Unit (PIU) of Highway Rehabilitation and Maintenance Project (HRMP) in Moscow			[Progress bar]										