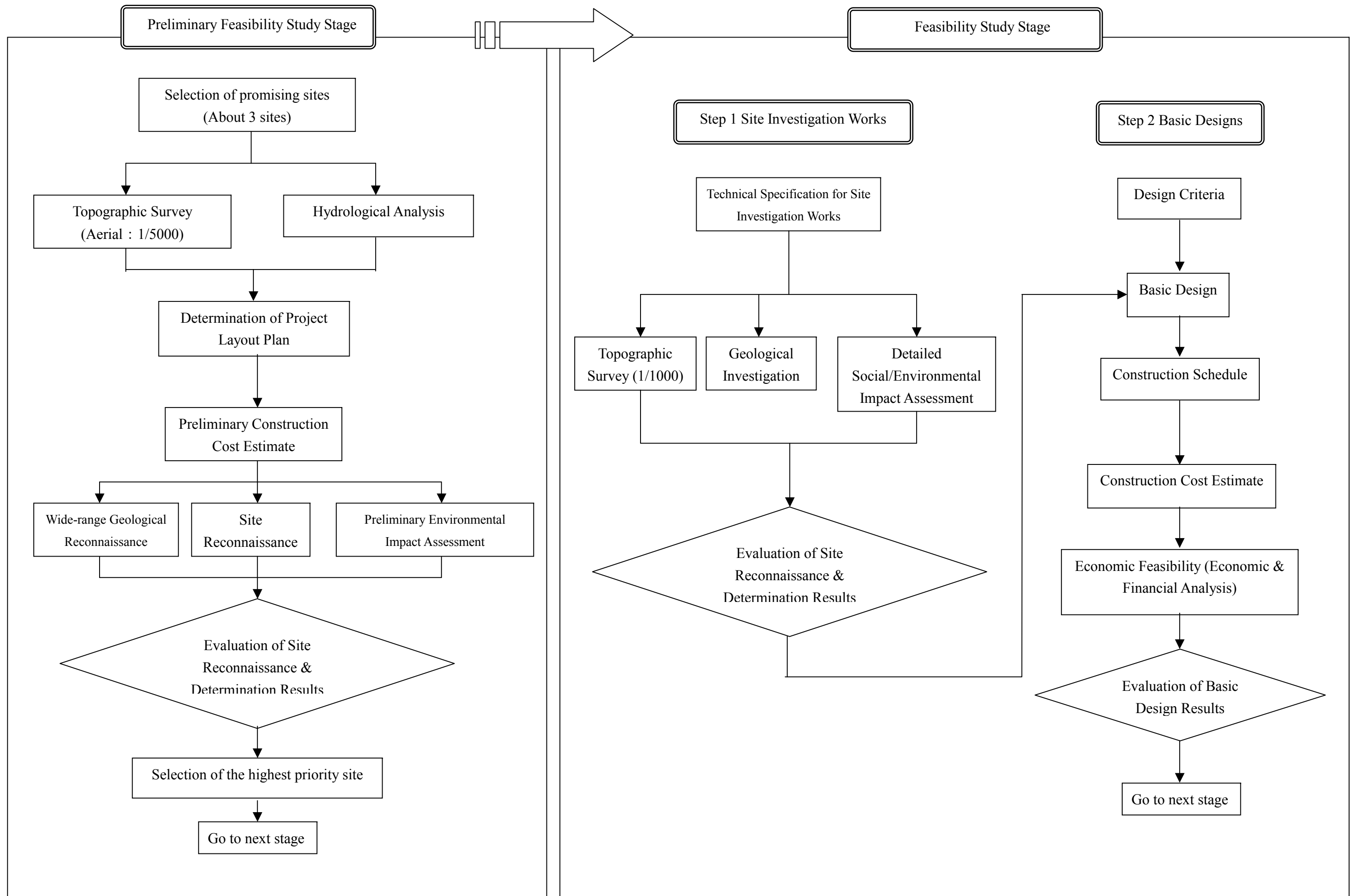


APPENDIX 9-1

Work flow diagram of Pre-F/S&F/S for PSPP



Work Flow Diagram of Pre-F/S & F/S for PSPP

APPENDIX 10-1

Technical transfer on the simulation tools

Technical Transfer

1. Experts

- Noboru SEKI: Simulation Program A
- Yasuyuki TADA: Simulation Program B

2. Objectives

- Transfer the following power system simulation programs with instruction on essential logic and general usages:
 - Power Development Planning Assist Tool - II (PDPAT-II)
 - Reliability Evaluation Tool for Inter-Connected Systems (RETICS)
 - Integrated & Multi-purpose Package of Advanced Computation Tools for power system engineering (IMPACT)

3. Seminar Profiles

- Title: Technical Transfer Seminar on Simulation Tools for Power Source and Transmission System Development Planning
- Date: June 5 to June 10, 2003
- Venue: Institute of Energy, Electricity of Vietnam
- Program:

June 5 (Thu)	Introduction and program installation
June 6 (Fri)	Exercise for basic analysis (1)
June 9 (Mon)	Exercise for basic analysis (2)
June 10 (Tue)	Q&A and additional instruction
- Participants: shown in Appendix 10-1-1.

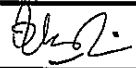




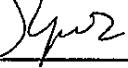
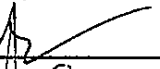
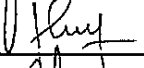
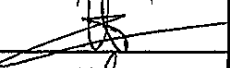

4. General Comments

- PDPAT-II, RETICS, and IMPACT, were transferred to the counterpart with End User License Agreement as shown in Appendix 10-1-2.
- The number of attendants reached 14 and the seminar was conducted with active participations from the attendants.
- The attendants understood essential logic behind the tools and familiarized themselves with the general use of the programs.
- Detailed data input and case setting for actual system analysis need additional instructions.





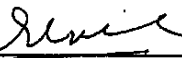

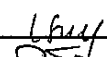
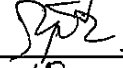


Participants list of the Seminar on 5 June, 2003

Ser. No.	Name	Institution	Position	Signature
1	Nguyễn V. Thọ	Institute of Energy	expert -	
2	Trần Đức	Institute of Energy	expert	
3	Lê Trần Phúc	PECC1	w	
4	Nguyễn Đức Rành	IEB	ut.	
5	Nguyễn Ngọc Hùng	IE	~	
6	Phan Duy Phú	Sơn La MB	ni	
7	PHAM HONG PHUONG	Sơn La MB	Expert	
8	Ngô Tuấn Tung	National Load Drsp. Center PECC1	Deputy Manager.	
9	Nguyễn Xuân Dũng	Power Engineering Consult Co	Expert	
10				
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12				
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14				
15				
16	Yasuhiro Yokosawa	JICA Study Team	System Planning	
17	Masaharu Yogo	ditto	Transmission System Planning	
18	Kazuhiko Shiba	ditto	Demand forecast and Analysis B	
19	Noboru Seki	ditto	Simulation Programs Instruction A	
20	Yasuyuki Tada	ditto	Simulation Programs Instruction B	
21	Hideki YOKIMURA	JICA expert		
22				
23				
24				
25				

Participants list of the Seminar on 6 June, 2003

Ser. No.	Name	Institution	Position	Signature
1	Ng. V. Thuy	Institute of Energy	Expert	
2	Trần Đức	Institute of Energy	Expert	
3	Trần Hồng Tiến	EUN	Expert	
4	Lê Văn Phúc	PECCY	✓	
5	Nguyễn Đức Khắc	IE	✓	
6	Nguyễn Xuân Phương	IE	✓	
7	Phạm Hồng Kiên	SMB	✓	
8	Nguyễn Ngọc Hưng	IE	✓	
9	Hoàng Văn Hải	NLDC	✓	
10	Ng. Tuấn Tài	- " -		
11				
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16	Yasuhiro Yokosawa	JICA Study Team	System Planning	
17	Masaharu Yogo	ditto	Transmission System Planning	
18	Kazuhiko Shiba	ditto	Demand forecast and Analysis B	
19	Noboru Seki	ditto	Simulation Programs Instruction A	
20	Yasuyuki Tada	ditto	Simulation Programs Instruction B	
21				
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Participants list of the Seminar on 10 June, 2003

Ser. No.	Name	Institution	Position	Signature
1	Trần Thị Thu Trà	IE	Researcher	
2	Trần Đức	Institute of Energy	Expert	
3	Nguyễn Ngọc Hùng	IE	Expert	
4	Lê Văn Phước	PECC1	Project Manager	
5	Nguyễn Đức Mạnh	IE	Expert.	
6	Vũ Thị Túoí	PECC1	project manager	
7	Tang Thế Hùng	IE	Researcher	
8	Nguyễn Xuân Phong	IE	Expert.	
9	Nguyễn Tuấn Tùng	NLDC	Deputy Manager.	
10	Hoàng Văn Hải	NLDC	Expert	
11				
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16	Yasuhiro Yokosawa	JICA Study Team	System Planning	
17	Masaharu Yogo	ditto	Transmission System Planning	
18	Kazuhiko Shiba	ditto	Demand forecast and Analysis B	
19	Noboru Seki	ditto	Simulation Programs Instruction A	
20	Yasuyuki Tada	ditto	Simulation Programs Instruction B	
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Participants list of the Seminar on 9 June, 2003

Ser. No.	Name	Institution	Position	Signature
1	VU THITHUOI	PECCI	project Manager	
2	TRAN THI THU TRA	IE	Researcher	
3	TANG THE HUNG	Institute of Energy	Researcher	
4	PHAM HONG PHUONG	SANLA MB	Expert.	
5	Ng Tuấn Tùng	AØ		
6	Hương Văn Hải	AØ		
7	Trần Đức	Institute of Energy	Expert	
8	Nguyễn Đức Mạnh	IE	nt.	
9	Lê Trần Phúc	PECCI	Project Manager	
10	Nguyễn Xuân Phương	Institute of Energy	Expert.	
11	Nguyễn Xuân Dũng	PECCI	nt	
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16	Yasuhiro Yokosawa	JICA Study Team	System Planning	
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This End User License Agreement for the "PDPAT II" & "RETICS" (hereinafter referred to as the "Agreement") is agreed by and between the Tokyo Electric Power Company, Inc. (hereinafter referred to as "TEPCO") and Electricity of Vietnam (hereinafter referred to as "EVN").

WHEREAS, TEPCO owns and possesses copyright and certain considerable know-how in the field of design, manufacturing, installation and sale of the Power Development Planning Assist Tool II & Reliability Evaluation Tool for InterConnected Systems (hereinafter referred to as the "PDPAT II") including related explanatory materials and whereas EVN desires to obtain rights to install and use the PDPAT II, the parties hereto agree as follows:

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TEPCO shall license EVN to use the PDPAT II for calculating the economical evaluation of power development plans.

EVN shall install and use the PDPAT II on a hard disk or other storage device of EVN for the purpose described above. EVN may NOT use the PDPAT II for any other purpose, such as consulting service for other companies.

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Although EVN may install the PDPAT II, it is not permitted to alter or modify the installer program or create a new installer for the PDPAT II.


4. No Warranty :

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country or use it in any manner as prohibited by Japanese Export Administration Act or any other related laws, restrictions or regulations. This Agreement shall automatically terminate upon failure by you to comply with its terms. This Agreement may only be modified in writing signed by an authorized officer of TEPCO.


Luu The Bieu
Deputy Director of Sonla Hydropower
Project Management Board

Date : _____

09/06/2003



Explanation of the program theory and the instructions (1)



Explanation of the program theory and the instructions (2)



Exercise in IMPACT



Exercise in PDPAT/RETICS



Questions regarding the theory of IMPACT



Questions regarding the theory of RETICS and PDPATII



Partisans