

Cambodia

No.	Activity Plan	Responsible by	JFY					Activities	Output	Target (Future Plan)
			2002	2003	2004	2005	2006			
Output 1	Strengthening of capacity for regional cooperation system and human as well as other resources for effective animal disease control									
1.1	Development of available manpower and institutional resources for regional cooperation	NAHPIC (Cambodia)							1. Personnel network for cooperation in the region was well established through the training courses, seminars and dispatch of experts.	1. The 10th NC and 6th JCC meetings
1.1.1	Studying on important and practical topic and subjects	NAHPIC (Cambodia)						Participation in NC Meetings Discussion with experts	2. Mutual understanding on personnel, technology and organization was deepened through activities, which resulted in close relationship among organizations or staff.	2. Dispatch of Thai and Malaysian experts
1.1.2	Development of the database of training institutions in the region	NAHPIC (Cambodia)						Project home page developed (the lists of personnel and organizations uploaded)	3. The system for cooperation was established through NC who could readily manage the domestic issues and arrangement.	3. Training courses in Thailand and Malaysia
1.1.3	Development of the database of available human resources in the region	NAHPIC (Cambodia)							4. The database for the personnel and organizations was not established though the lists were available.	4. The closing seminar of the Project.
1.2	Plan and implement country plans under the Project including staff training and equipment	NAHPIC (Cambodia)								
1.2.1	Making PO and APO	Project office DLD (Thailand)						2002: 2 Thai experts, Participation in NC & JCC Meetings		
Output 2	Improvement of disease surveillance									
2.1	Improvement of diagnostic techniques									
Training of Cambodian staff by Japan and Thai expert in Cambodia										
2.1.1	Training of laboratory diagnosis							2 Malaysian experts (pathology, 1 wk) 2 Thai experts (AI-1 wk, pathology-1 wk)	1. Training courses were arranged for the diseases in the list and followed up by dispatch of experts.	1. Dispatch of Thai and Malaysian experts
2.1.2	Training of field investigation							Thai expert (survey on schistosomiasis, 1 wk)	2. The standardized diagnostic techniques were established at NAHPIC for FMD, CSF and AI.	2. Continuation of serosurveys on FMD and CSF as In-Country Activities for JFY2006
2.1.3	Active surveillance of FMD, CSF, HS, Br, ND etc	NAHPIC (Cambodia)						Implementation of In-Country Activity (FMD & CSF)	3. For the other disease such as TB, erysipelas and parasitic diseases the diagnostic techniques were improved through the training courses in Thailand, dispatch of Thai, Malaysian and Japanese experts, and JOCV staff.	3. Individual training in Thailand and Malaysia
									4. The activities were carried out in all the sections at NAHPIC.	

No.	Activity Plan	Responsible by	J.FY					Activities		Target (Future Plan)
			2002	2003	2004	2005	2006	Input	Output	
Foot and mouth disease										
2.1.4	Training of Cambodian counterpart in Thailand	FMD center (Pakchong)						Training in Thailand (2 staff, 2 m each)	5. As a result, the number of diseases which can be diagnosed at NAHPIC increased and diagnostic techniques were also greatly improved.	
2.1.5	Dispatch of expert	Project office FMD center (Pakchong)						Thai expert (2 times, 1 wk + 2 wks)	6. Utilizing those skills the surveillances have been operated under the support by JICA, FAO and other donors. The ADC Project initiated In-Country Activities in which serosurveys on FMD and CSF were implemented by the staff of NAHPIC.	
2.1.6	Participating for the seminar	NAHPIC (Cambodia)						Seminar/meeting organized by OIE/SEAFMD	7. The number of samples brought into NAHPIC is still few (except avian samples), therefore, the opportunities for the staff to utilize their learned techniques are still limited.	
2.1.7	Training of Cambodian staff by C/P	NAHPIC (Cambodia)						Sharing between the section staff		
Classical swine fever										
2.1.8	Training of Cambodian counterparts	Project office NIAH (DLD)						2002: Japan (1 m) 2003, 05: Thailand (2 staff, 1 m each)		
2.1.9	Dispatch of expert	Project office NIAH(DLD)						2 Japanese experts (1 m, 1.5 m)		
2.1.10	Participating for the seminar	Project office						Workshop in Vietnam & Philippines		
2.1.11	Training of Cambodian staff by C/P	NAHPIC (Cambodia)						Sharing between the section staff		
Hemorrhagic septicemia(HS)										
2.1.12	Training of Cambodian counterpart in Thailand	NIAH (DLD)						Training in Thailand (1 m)		
2.1.13	Training of Cambodian staff by C/P	NAHPIC (Cambodia)						Sharing between the section staff		
Brucellosis										
2.1.14	Training of Cambodian counterpart in Thailand	NIAH (DLD)						Training in Thailand (1.5 m)		
2.1.15	Training of Cambodian staff by C/P	NAHPIC (Cambodia)						Japanese & Thai experts (1.5 + 1 wks)		
Newcastle disease										
2.1.16	Training of Cambodian counterpart in Thailand	Project office NIAH (DLD)						Training in Thailand (1 m)		
2.1.17	Training of Cambodian staff by C/P	NAHPIC (Cambodia)						Sharing between the section staff		

No.	Activity Plan	Responsible by	JFY					Activities		Target (Future Plan)
			2002	2003	2004	2005	2006	Input	Output	
2.2	Improvement of data collection, analysis and distribution of epidemiological information									
2.2.1	Training of Cambodian counterpart in Thailand	Division of Epidemiology (DLD)						Veterinary Epidemiology Workshop (1 wk)		
2.2.2	Training of Cambodian staff by C/P	NAHPIC (Cambodia)						Sharing between the section staff		
2.2.3	Planning of the active surveillance	NAHPIC (Cambodia)						*Planning of In-Country Activity *Sampling for haematological study (organized by JOCV)		
2.2.4	Utilizing for the active surveillance	NAHPIC (Cambodia)						Utilizing for In-Country Activity (2003: HS vaccine, 2005: FMD & CSF) Haematological study		
2.2.5	Publishing of animal disease statistic	NAHPIC (Cambodia)								
2.3	Development of basic disease information system									
2.3.1	Training of Cambodian counterpart in Thailand	Division of Epidemiology (DLD)								
2.3.2	Training of Cambodian staff by C/P	NAHPIC (Cambodia)								
2.3.3	Making the data base of animal disease	NAHPIC (Cambodia)								
2.3.4	Planning to provide the data for animal disease control	NAHPIC (Cambodia)								
Output										
3.1	Improvement of NS vaccine production									
3.1.1	Dispatch of expert to examine facilities and feasibility	Project office Division of Veterinary Biologies (DLD)								
3.2	Improvement of HS vaccine production									
3.2.1	Dispatch of expert to examine facilities and feasibility	Project office Division of Veterinary Biologies (DLD)								
								2003: That expert (1 wk) 2004: That expert (2 d)		
Remarks										
										<p>1. The vaccine production and its quality control has long been out of operation in Cambodia, however, the production of HS vaccine was planned to resume in 2006 and vaccine seed provided from Thailand and Laos.</p> <p>2. Field evaluation of HS vaccine efficacy was implemented as ICA for 2003-4.</p> <p>3. Currently, Cambodian Gov't places the higher priority on HS vaccine but still needs a sustainable supply system.</p>

Lao PDR

No.	Project Activities	Responsible by	JFY					Activities		Target (Future Plan)
			2002	2003	2004	2005	2006	Input	Output	
	Strengthening of capacity for regional cooperation system and human as well as other resources for effective animal disease control									
1.1	Development of available manpower and institutional resources for regional cooperation	Department of livestock and fisheries (Lao)							1. Personnel network for cooperation in the region was well established through the training courses, seminars and dispatch of experts.	1. The 10th NC and 6th JCC meetings
1.1.1	Studying on important and practical topic and subjects	DLF in Lao PDR					Participation in NC Meetings, Discussion with experts		2. Mutual understanding on personnel, technology and organization was deepened through activities, which resulted in close relationship among organizations or staff.	2. Dispatch of Thai and Malaysian experts
1.1.2	Development of the database of training institutions in the region	DLF in Lao PDR					Project home page developed (the lists of personnel's and organizations uploaded)			3. Training courses in Thailand and Malaysia
1.1.3	Development of the database of available human resources in the region	DLF in Lao PDR							3. The system for cooperation was established through NC through the Project experienced difficulties in communication as the NC does not belong to the project site in Lao PDR.	4. The closing seminar of the Project.
1.2	Plan and implement country plans under the Project including staff training and equipment supply	DLF in Lao PDR							4. The database for the personnel and organizations was not established (only the lists were available).	
1.2.1	Making of PO and APO	Project office DLD (Thailand)					2002: 3 Thai experts 2004: 3 Thai experts, Participation in NC & ICC Meetings			
	Output 2: Improvement of disease surveillance									
2.1	Improvement of diagnostic techniques									
	Foot and mouth disease									
2.1.1	Training of Lao PDR counterpart in Thailand	FMD Center (Pakchong)					Training in Thailand (3 staff, 2 m x 2, 1 m x 1)		1. In Lao PDR the diseases with higher priorities in the list were especially focused on for cooperation due to lack of personnel. The standardized diagnostic techniques were established at NAHC for FMD, CSF, HS, ND and AI.	1. Dispatch of Thai and Malaysian experts
2.1.2	Dispatch of expert	Project office/ FMD Center (Pakchong)							2. The serological diagnostic techniques for leptospirosis, melioidosis and brucellosis were transferred by a Thai expert and the samples collected through In-Country Activities 2005 examined.	2. Serosurveys as In-Country Activities for JFY2006
2.1.3	Participating for the seminar	DLF in Lao PDR					Organized by OIE		3. Continuation of collaborative field work with FORCOM Project	3. Continuation of collaborative field work with FORCOM Project
2.1.4	Training of Lao PDR staff by C/P	DLF in Lao PDR Project office					Sharing between the section staff		4. Individual training in Thailand and Malaysia	4. Individual training in Thailand and Malaysia
2.1.5	Active surveillance of FMD	DLF in Lao PDR								

No.	Project Activities	Responsible by	JFY						Input	Activities	Output	Target (Future Plan)
			2002	2003	2004	2005	2006					
Classical swine fever												
2.1.6	Training of Lao PDR counterpart in Japan Thailand	NIAH (Japan and Thailand)							2002: Japan (1 m) 2003-05: Thailand (3 staff, 1 m each)			
2.1.7	Dispatch of expert	Project office/ NIAH(Thailand)							2 Japanese experts (1 m, 1.5 m)		4. The pathology section didn't function at all and histopathological examination was not possible at NAHC. However, autopsy, tissue embedding, sectioning and staining techniques were transferred through frequent visits by a Thai expert and histopathological diagnosis established at the center.	
2.1.8	Participating for the seminar	Project office							Workshop in Vietnam & Philippines			
2.1.9	Training of Lao PDR staff by C/P	DLF in Lao PDR							Sharing between the section staff			
2.1.10	Practical Diagnosis of classical swine fever	DLF in Lao PDR							Japanese long-term expert on NPLA			
Pasteurellosis (Diagnosis and serotyping)												
2.1.11	Training of Lao PDR counterpart in Thailand	Project office/ NIAH (DLD)							Training in Thailand (1 m)		5. Animal health service has been provided to the farmers in the sites of Forest Management and Community Support (FORCOM) Project. This is a collaborative activity with JICA	
2.1.12	Dispatch of expert	Project office/ NIAH (DLD)							Japanese long-term expert on ELISA			
2.1.13	Training of Lao PDR staff by C/P	DLF in Lao PDR							Sharing between the section staff			
2.1.14	Active surveillance of Pasteurellosis	DLF in Lao PDR							In-Country Activity			
Newcastle disease												
2.1.15	Training of Lao PDR counterpart in Thailand	Project office/ VRI (Ipoth)							Training in Malaysia (1 m)			
2.1.16	Dispatch of expert	Project office/ NIAH (DLD)							Thai expert on AI (1 wk)			
2.1.17	Training of Lao PDR staff by C/P	DLF in Lao PDR							Sharing between the section staff		6. Through the activities mentioned above the number of samples brought into the center is increasing and the further improvement of diagnostic capability of NAHC is expected.	
2.1.18	Active surveillance of Newcastle disease	DLF in Lao PDR										
Duck plague												
2.1.19	Training of Lao PDR counterpart in Thailand	NIAH (DLD)										
2.1.20	Dispatch of expert	Project office/ NIAH (DLD)										
2.1.21	Training of Lao PDR staff by C/P	DLF in Lao PDR										
2.1.22	Active surveillance of Duck plague disease	DLF in Lao PDR										

No.	Project Activities	Responsible by	JFY					Input	Output	Target (Future Plan)
			2002	2003	2004	2005	2006			
Infectious bursal disease										
2.1.23	Training of Lao PDR counterpart in Thailand	Project office/ VRI								
2.1.24	Dispatch of expert	Project office/ NIAH (DLD)								
2.1.25	Training of Lao PDR staff by C/P	DLF in Lao PDR								
2.1.26	Active surveillance of Infectious bursal	DLF in Lao PDR								
Paratuberculosis										
2.1.27	Training of Lao PDR counterpart in Thailand	NIAH(DLD)								
2.1.28	Dispatch of expert	Project office/ NIAH (DLD)								
2.1.29	Training of Lao PDR staff by C/P	DLF in Lao PDR								
2.1.30	Active surveillance of Paratuberculosis	DLF in Lao PDR								
Pathological diagnosis										
2.1.31	Training of Lao PDR counterpart in Thailand	NIAH (DLD)						Training in Thailand (2 m)		
2.1.32	Dispatch of expert	Project office/ NIAH (DLD)						Thai expert (3 times, 1 wk each)		
2.1.33	Training of Lao PDR staff by C/P	DLF in Lao PDR						Sharing between the section staff		
2.1.34	Pathological diagnosis	DLF in Lao PDR								
Toxicological diagnosis										
2.1.35	Training of Lao PDR counterpart in Thailand	NIAH (DLD)								
2.1.36	Dispatch of expert	Project office/ NIAH (DLD)								
2.1.37	Training of Lao PDR staff by C/P	DLF in Lao PDR								
2.1.38	Toxicological diagnosis	DLF in Lao PDR								

Handwritten signature

Handwritten signature

No.	Project Activities	Responsible by	JFY					Activities		Target (Future Plan)
			2002	2003	2004	2005	2006	Input	Output	
2.2	Improvement of data collection, analysis and distribution of epidemiological information									
2.2.1	Training of Lao PDR counterpart in Thailand	Division of Veterinary Epidemiology (DLD)						Veterinary Epidemiology Workshop (1 wk)	1. The staff became very well informed of epidemiology of the diseases in the country. 2. Data collection and analysis have been carried out through surveillances on CSF, AI and HS, which is expected to establish a solid system to process epidemiological information at NAHC.	1. Dispatch of Thai experts on epidemiology 2. Serosurveys as In-Country Activities for JFY2006
2.2.2	Training of Lao PDR staff by C/P	DLF in Lao PDR						Sharing between the section staff	3. A brochure on major disease prevalences and vaccination rates according to the provinces in the country is available. In addition reports on melioidosis and brucellosis was also produced.	
2.2.3	Planning of the active surveillance	DLF in Lao PDR						Planning of In-Country Activity		
2.2.4	Utilizing for the active surveillance	DLF in Lao PDR						Utilizing for In-Country Activity (2005: HS & CSF) Field work with FORCOM		
2.2.5	Publishing the statistics of the animal disease	DLF in Lao PDR						Technical transfer by Thai expert		
2.3	Development of basic disease information system									
2.3.1	Training of Lao PDR staff by C/P	Division of Veterinary Epidemiology (DLD)								
2.3.2	Training of Lao PDR staff by C/P	DLF in Lao PDR								
2.3.3	Making the data base of animal disease	DLF in Lao PDR								
2.3.4	Planning to provide the data for animal disease control	DLF in Lao PDR								
									(Remarks) 1. AFPISA cannot be relied on since it's not functioning properly. 2. OIE introduced a new system called 'ARAHIS' and the Project is going to support it. 3. The actual application of ARAHIS depends on the forthcoming activities of the Project. 4. TADinfo was introduced by FAO and currently under preparation.	

No.	Project Activities	Responsible by	JFY					Input	Output	Target (Future Plan)
			2002	2003	2004	2005	2006			
Output 3	Improvement of vaccine production and quality control									
3.1	Haemorrhagic septicemia vaccine production (oil adjuvant vaccine) and quality control									
3.1.1	Training of Lao PDR counterpart in Thailand	Division of Veterinary Biologics (DLD)					Training in Thailand 2 staff (2 wks)			
3.1.2	Dispatch of expert	Project office/ Division of Veterinary Biologics (DLD)					Thai expert (2 times, 3 d each)			
3.1.3	Training of Lao PDR staff by C/P	DLF in Lao PDR					Sharing between the section staff			
3.1.4	Production of experimental vaccine	DLF in Lao PDR					Equipment (homogenizing tank, crossflow filtration system, storage tank)			
3.1.5	Field test of experimental vaccine	DLF in Lao PDR					In-Country Activity for JFY2003-4			
3.1.6	Production of HS vaccine (oil adjuvant)	DLF in Lao PDR					Equipment (Mixing tank)			
3.2	Classical swine fever vaccine production and quality control									
3.2.1	Training of Lao PDR counterpart in Thailand	Division of Veterinary Biologic (DLD)								
3.2.2	Dispatch of expert	Division of Veterinary Biologic (DLD)								
3.2.3	Training of Lao PDR staff by C/P	DLF in Lao PDR								

No.	Project Activities	Responsible by	JFY						Activities		Target (Future Plan)
			2002	2003	2004	2005	2006	Input	Output		
3.2.4	Production of experimental vaccine	DLF in Lao PDR									
3.2.5	Field test of experimental vaccine	DLF in Lao PDR									
3.2.6	Production of CSF vaccine	DLF in Lao PDR									
3.3	Newcastle disease vaccine (inactivated vaccine) production and quality control										
3.3.1	Training of Lao PDR counterpart in Thailand	Division of Veterinary Biologic (DLD)						Training in Thailand (2 m)	The trainee sent to the Philippines for master's degree (German Scholarship).		
3.3.2	Dispatch of expert	Division of Veterinary Biologic (DLD)									
3.3.3	Training of Lao PDR staff by C/P	DLF in Lao PDR									
3.3.4	Production of experimental vaccine	DLF in Lao PDR									
3.3.5	Field test of experimental vaccine	DLF in Lao PDR									
3.3.6	Production of ND inactivated vaccine	DLF in Lao PDR									

R

ed

No.	Project Activities	Responsible by	JFY					Activities		Target (Future Plan)
			2002	2003	2004	2005	2006	Input	Output	
	Improvement of animal quarantine technology									
4.1	Promotion of technical concepts and practical procedures of quarantine									
4.1.1	Training of Lao PDR counterpart	Project office AQ (Thailand)						Training in Thailand (1 wk)		
4.1.2	Dispatch of expert	Project office								
4.1.3	Training of Lao PDR staff by C/P	DLF in Lao PDR						Sharing between the section staff		
4.1.4	Participation of regional seminar and workshop	Disease Control Division and Project office						Workshop on animal movement management (2 wks)		
4.2	Strengthening disease detection techniques at selected important border points									
4.2.1	Training of Lao PDR counterpart	Project office AQ (Thailand)						Training in Thailand (animal quarantine, 1 wk)		
4.2.2	Training of Lao PDR staff by C/P	DLF in Lao PDR						Sharing between the section staff		
4.2.3	Making a new manual for animal quarantine	DLF in Lao PDR								
4.2.3	Practical use of new technology	DLF in Lao PDR								

Out-steps of the activities specified in PO									
Diagnosis	Dispatch of Japanese expert	NAHC						Japanese expert (1.5 wks) (2 wks)	
Diagnosis	Participation of regional seminar on avian influenza in Malaysia	VRI (Ipoh)							
Diagnosis	Dispatch of Thai expert (field work collaborating with FORCOM Project)	Project office/ NIAH (DL/D)						1 wk x 3 times	
Diagnosis	Dispatch of Thai expert (serological diagnosis)	Project office/ NIAH (DL/D)						1 wk x 3 times	
Diagnosis	Active surveillance of CSF	NAHC						In-Country Activity	
Vaccine	Dispatch of Thai local consultant (equipment maintenance and management)	Project office						3 d	

Malaysia

No.	Project Activities	Responsible by	JFY						Activities		Target (Future Plan)
			2002	2003	2004	2005	2006	Input	Output		
Output 1	Strengthening of capacity for regional cooperation system and human as well as other resources for effective animal disease control										
1.1	Development of available manpower and institutional resources for regional cooperation	Department of Veterinary Services (Malaysia)									1. Personnel network for cooperation in the region was well established through the training courses, seminars and dispatch of experts.
1.1.1	Studying on important and practical topic and subjects	DVS (Malaysia)							Participation in NC Meetings		2. Dispatch of Malaysian experts
1.1.2	Development of the database of training institutions in the region	DVS (Malaysia)							Project home page developed (the lists of personnel and organizations uploaded)		3. Training courses in Thailand and Malaysia
1.1.3	Development of the database of available human resources in the region	DVS (Malaysia)									4. The closing seminar of the Project.
1.2	Plan and implement country plan under the Project including staff training and equipment supply	DVS (Malaysia)									
1.2.1	Making of PO and APO	Project office DLD (Thailand)							2002: 3 Thai experts, Participation in NC & JCC Meetings		
Output 2	Improvement disease surveillance										
2.1	Improvement of diagnostic techniques										
Training of Malaysian counterpart											
Foot and Mouth Disease											
2.1.1	Training of Malaysian counterparts in Japan and Thailand	NIAH (Japan) FMD center (Pakchong)							2003: Japan (2 m) 2003, 05: Thailand (2 m & 1 m)		1. Dispatch of Malaysian experts
2.1.2	Dispatch of expert	Project office Kotabaru center							Japanese expert (1 wk)		2. Organization of individual training courses in Malaysia
2.1.3	Participating for the seminar	DVS (Malaysia)							Organized by OIE		
2.1.4	Training of Malaysian staff by C/P	DVS (Malaysia)							Sharing between the section staff		
2.1.5	Active surveillance of FMD	DVS (Malaysia)									
Brucellosis											
2.1.6	Training of Malaysian counterparts in Thailand	NIAH (Thailand)							Training in Thailand (3 staff, 1 m each)		3. Malaysian contribution to the region through dispatch of Malaysian experts and training courses was not satisfactory.

No.	Project Activities	Responsible by	JFY					Input	Output	Target (Future Plan)
			2002	2003	2004	2005	2006			
2.1.7	Training of Malaysian staff by C/P	DVS (Malaysia)						Thai expert (1 wk) Sharing between the section staff	4. Malaysian C/Ps are capable of providing larger commitment to the region and it is expected to cooperate with the neighboring countries by closer relationship with the Project office.	
2.1.8	Active surveillance of Brucellosis	DVS (Malaysia)								
Antirax										
2.1.9	Training of Malaysian counterparts in Thailand	NIAH (Thailand)						Training in Thailand (3 staff, 1 in each)		
2.1.10	Training of Malaysian staff by C/P	DVS (Malaysia)						Sharing between the section staff		
2.1.11	Active surveillance of Anthrax	DVS (Malaysia)								
Training for staff of neighboring countries										
2.1.12	Training of participant from neighboring country in Malaysia	VRI						2003: ND (My) 04: IBD (V), ND (L) Seminar on AI (C, Ma, My, T, V) 05: Seminar on AI (C, L, My, T, V) 2 pathologists to C & My (1 wk each)		
2.1.13	Dispatch of Malaysian experts to the neighboring countries	VRI								
2.1.14	Consultation and information services of poultry disease diagnosis	VRI								
2.2	Improvement of data collection, analysis and distribution of epidemiological information									
2.2.1	Training of Malaysia counterpart in Thailand	Project office Division of Epidemiology (DLD)						Veterinary Epidemiology Workshop (1 wk)	1. Data collection and analysis have been carried out through surveillances on AI and FMD by the Malaysian institutes, which is expected to establish a solid system to process epidemiological information.	
2.2.2	Training of Malaysia staff by C/P	DVS (Malaysia)						Sharing between the section staff		
2.2.3	Planning of the active surveillance	DVS (Malaysia)								
2.2.4	Utilizing for the active surveillance	DVS (Malaysia)								
2.3	Development of basic disease information system									
2.3.1	Training of Malaysia of C/P in Thailand	Project office Division of Epidemiology (DLD)							(Remarks) 1. AHIPISA cannot be relied on since it's not functioning properly. 2. OIE introduced a new system called 'ARAHIS' and the Project is going to support it. 3. The actual application of ARAHIS depends on the forthcoming activities of the Project.	
2.3.2	Training of Malaysia staff by C/P	DVS (Malaysia)								
2.3.3	Making the data base of animal disease	DVS (Malaysia)								

No.	Project Activities	Responsible by	JFY						Input	Activities	Output	Target (Future Plan)
			2002	2003	2004	2005	2006					
One year of the activities plan (2002-2006)												
Diagnosis	Dispatch of Japanese expert	LBVD							Japanese expert for cell culture (1 m)			
Diagnosis	Training of Myanmar counterpart in Thailand (log cholera & Aujeszky's disease diagnosis)	NIAH (DLD)							(2 staff, 1 m each)			
Diagnosis	Training of Myanmar counterpart in Thailand (diagnosis on haemorrhagic septicemia)	NIAH (DLD)							(1 m)			
Diagnosis	Training of Myanmar counterpart in Thailand (rabies diagnosis)	NIAH (DLD)							(1 m)			
Diagnosis	Training of Myanmar counterpart in Thailand (diagnosis on parasitic diseases)	NIAH (DLD)							(2 staff, 2 m)			
Diagnosis	Training of Myanmar counterpart in Thailand (diagnosis of zoonotic diseases including TB, anthrax, brucellosis, leptospirosis & rabies)	NIAH (DLD)							(5 wks)			
Diagnosis	Participation of regional seminar on avian influenza in Malaysia	YRI (poh)							(2004-1 wk, 2005-2 wks)			
Diagnosis	Dispatch of Malaysian expert	Project office							2 Malaysian experts (1 wk)			
Diagnosis	Dispatch of Thai expert (leptospirosis)	Project office							(1 wk)			
Diagnosis	Dispatch of Thai expert (brucellosis)	Project office							(1 wk)			
Diagnosis	Active surveillance of CSF	Mandalay Lab.							In-Country Activity for JFY2005	Collected 1,000 samples and established cell culture lab.		
Vaccine	Dispatch of Thai local consultant (equipment maintenance and management)	Project office							1 wk x 2 times	Repair 11 items of lab. equipments by the Project		

No.	Project Activities	Responsible by	JFY					Input	Output	Target (Future Plan)
			2002	2003	2004	2005	2006			
Out-scope of the activities specified in PO										
Diagnosis	Dispatch of Japanese expert	VRI						Japanese expert for AI diagnosis (1 wk)		
Diagnosis	Training of Malaysian counterparts in Thailand (leptospirosis diagnosis)	NIAH (DLD)						(1 m)		
Diagnosis	Training of Malaysian counterparts in Thailand (parasitic disease diagnosis)	NIAH (DLD)						(2 m)		
Quarantine	Training of Malaysian counterparts in Thailand (animal quarantine)	Project office AQ (Thailand)						(1 wk)		
Quarantine	Participation of regional seminar and workshop	Disease Control Division and Project office						Workshop on animal movement management (2 wks)		
Diagnosis	Training of Malaysian counterparts in Thailand (hog cholera & Aujeszky's disease diagnosis)	NIAH (DLD)						(1 m)		
Diagnosis	Training of Malaysian counterparts in Thailand (immunohistochemistry on swine diseases)	NIAH (DLD)						(1 m)		
Diagnosis	Training of Malaysian counterparts in Thailand (rabies diagnosis)	NIAH (DLD)						(1 staff-1 m, 1 staff-1 wk)		
Diagnosis	Participating in workshop on CSF	Project office						In Vietnam & Philippines		
Diagnosis	Training of Malaysian counterparts in Japan	Project office						Viral diseases (1.5 m)		
Diagnosis	Dispatch of Thai local consultant (equipment maintenance and management)	Project office						3 d		

Myanmar

No.	Project Activities	Responsible by	JFY					Input	Output	Target (Future Plan)
			2002	2003	2004	2005	2006			
	Strengthening of capacity for regional cooperation. System and human resources as well as other resources for effective animal disease control									
1.1	Development of available manpower and institutional resources for regional cooperation	Livestock Breeding and Veterinary Department (Myanmar)							1. Personnel network for cooperation in the region was well established through the training courses, seminars and dispatch of experts.	
1.1.1	Studying on important and practical topic and subjects	LBVD (Myanmar)					Participation in NC Meetings, Discussion with experts		2. Mutual understanding on personnel, technology and organization was deepened through activities, which resulted in close relationship among organizations or staff.	
1.1.2	Development of the database of training institutions in the region	LBVD (Myanmar)					Project home page developed (the lists of personnel's and organizations uploaded)		3. The system for cooperation was established through NC who could readily manage the domestic issues and arrangement.	
1.1.3	Development of the database of available human resources in the region	LBVD (Myanmar)							4. The database for the personnel and organizations was not established through the lists of human resources were available.	
1.2	Plan and implement country plan under the Project including staff training and equipment supply	LBVD (Myanmar)								
1.2.1	Making of PO and AFO	Project office DLD (Thailand) LBVD for the 8th NC meeting					Participation in NC & JCC Meetings (organization for the 8th NC meeting)			
Output 2	Improvement of disease surveillance									
2.1	Improvement of diagnostic techniques									
Foot and mouth disease										
2.1.1	Training of Myanmar counterpart in Thailand	FMD center (Pakchong)					Training in Thailand (4 staff, 2 m x 2, 1 m x 2)		1. Myanmar sent a number of staff for the training courses in Thailand and Malaysia, and trainees studied diagnostic techniques on many diseases including the ones not listed in PO (see the table "Out-scope of the activities specified in PO" below). The techniques were actually rooted in the laboratories in Myanmar under the support of Thai experts, which resulted in the improvement of diagnostic capability of diagnostic laboratories in Yangon and Mandalay.	
2.1.2	Dispatch of expert	Project office FMD center (Pakchong)					Japanese expert (1 wk)		2. Serosurveys as In-Country Activities for JFY2006	
2.1.3	Participating in the seminar	LBVD (Myanmar)					Organized by OIE		3. Individual training in Thailand and Malaysia	
2.1.4	Training of Myanmar staff by C/P	LBVD (Myanmar)					Sharing between the section staff			
2.1.5	Active surveillance of Foot and mouth disease	LBVD (Myanmar)					In-Country Activity for JFY2005			

No.	Project Activities	Responsible by	JFY						Input	Activities	Output	Target (Future Plan)
			2002	2003	2004	2005	2006					
Poultry disease (Newcastle Disease)												
2.1.6	Training of Myanmar counterpart in Thailand	NIAH (DLD)						Training in Malaysia (1 m)		2. The Project supported the surveillance on FMD, which has been carried out by SEAFMD, as In-Country Activity.		
2.1.7	Dispatch of expert	Project office/ NIAH (Japan/Thailand)						2 Japanese experts on AI (1 wk, 1 wk) 1 Thai expert on AI (2 wks)		3. The activities for Newcastle disease was tied-in with avian influenza. The project dispatched 3 Japanese short-term experts to establish AI diagnosis in Myanmar since Myanmar was the only AI-free country in the region. Later, the outbreaks of the disease were reported and the technologies transferred by the Project was utilized. In addition, a Thai expert was urgently dispatched to tackle the AI in Myanmar.		
2.1.8	Training of Myanmar staff by C/P	VRU (Myanmar)						Sharing between the section staff		4. A preliminary survey on TB was carried out by Thai and Japanese experts, who pointed out the prevalence of TB in the country can be very high.		
2.1.9	Active surveillance of poultry disease (ND)	LBVD (Myanmar)								5. Serosurvey on CSF was implemented in Mandalay as In-Country Activity and a Japanese long-term expert is transferring the technique of neutralizing peroxidase-linked assay (NPLA).		
Tuberculosis												
2.1.10	Training of Myanmar counterpart	NIAH (Japan/Thailand)						2002: Japan (1 m) 2003: Thailand (1 m)				
2.1.11	Training of Myanmar staff by C/P	LBVD (Myanmar)						Japanese & Thai experts (1.5 + 1 wks) Sharing between the section staff				
2.1.12	Active surveillance of Tuberculosis	LBVD (Myanmar)						Pilot survey carried out by the experts				
Classical Swine Fever												
2.1.13	Participating in the seminar	Project office						Workshop in Vietnam & Philippines		1. The staff became very well informed of epidemiology of the diseases in the country.	1. Serosurveys as In-Country Activities for JFY2006	
2.2	Improvement of data collection, analysis and distribution of epidemiological information									2. Data collector and analysis have been carried out through surveillances on CSF (In-Country Activity 2005), AI and FMD (through SEAFMD Project by OIB and In-Country Activity 2005), which is expected to establish a solid system to process epidemiological information in LBVD.	2. Dispatch of Thai and Malaysian experts	
2.2.1	Training of Myanmar counterpart in Thailand	Project office Division of Epidemiology (DLD)						Veterinary Epidemiology workshop (3 staff, 1 wk)				
2.2.2	Training of Myanmar staff by C/P	LBVD (Myanmar)						Sharing between the section staff				
2.2.3	Planning of the active surveillance	LBVD (Myanmar)						Planning of In-Country Activity				
2.2.4	Utilizing for the active surveillance	LBVD (Myanmar)						Utilizing for In-Country Activity (2005: FMD & CSF)				
2.2.5	Publishing the statistics of the animal disease	LBVD (Myanmar)										
2.3	Development of basic disease information system											
2.3.1	Training of Myanmar counterpart in Thailand	Project office Division of Veterinary Biologies (DLD)								(Remarks) 1. AHPISA cannot be relied on since it's not functioning properly.		
2.3.2	Training of Myanmar staff by C/P	LBVD (Myanmar)								2. OIE introduced a new system called 'ARAHIS' and the Project is going to support it.		
2.3.3	Making the data base of animal disease	LBVD (Myanmar)								3. The actual application of ARAHIS depends on the forthcoming activities of the Project.		
2.3.4	Planning to provide the data for animal disease control	LBVD (Myanmar)										

No.	Project Activities	Responsible by	JFY					Activities		Target (Future Plan)
			2002	2003	2004	2005	2006	Input	Output	
	Improvement of vaccine production and quality control									
3.1	FMD vaccine production and quality control									
3.1.1	Training of Myanmar counterpart in Thailand	FMD center (Pakchong)						Training in Thailand (2 staff, 4 m each)		
3.1.2	Dispatch of expert	Project office (Pakchong)						2 Thai experts (1 wk each)		
3.1.3	Training of Myanmar staff by C/P	LBVD (Myanmar)						Sharing between the section staff		
3.1.4	Improvement of procedure of vaccine production	LBVD (Myanmar)								
3.1.5	Production of improved FMD vaccine	LBVD (Myanmar)						Equipment (large capacity refrigerated centrifuge, etc.)		
3.2	Newcastle disease vaccine production and quality control									
3.2.1	Training of Myanmar counterpart in Thailand	Division of Veterinary Biologics (DLD)						Training in Thailand (2 staff, 2 m each)		
3.2.2	Dispatch of expert	Project office (Division of Veterinary Biologics (DLD))								
3.2.3	Training of Myanmar staff by C/P	LBVD (Myanmar)						Sharing between the section staff		
3.2.4	Improvement of procedure of vaccine production	LBVD (Myanmar)								
3.2.5	Production of improved ND vaccine	LBVD (Myanmar)								
3.3	Rabies Vaccine Production and quality control									
3.3.1	Training of Myanmar counterpart in Japan	Project office								
3.3.2	Dispatch of expert	Project office								
3.3.3	Training of Myanmar staff by C/P	LBVD (Myanmar)								
3.3.4	Setting of Rabies vaccine production equipment	LBVD (Myanmar)								
3.3.5	Experimental vaccine production	LBVD (Myanmar)								
3.3.6	Field test of experimental vaccine	LBVD (Myanmar)								
3.4	Infectious bursa disease vaccine production and quality control									
3.4.1	Training of Myanmar counterpart in Thailand	Division of Veterinary Biologics (DLD)								
3.4.2	Dispatch of expert	Project office (Division of Veterinary Biologics (DLD))								
3.4.3	Training of Myanmar staff by C/P	LBVD (Myanmar)								

R

ast

No.	Project Activities	Responsible by	JFY					Activities		Target (Future Plan)
			2002	2003	2004	2005	2006	Input	Output	
3.4.4	Setting of IED vaccine production equipment	LBVD (Myanmar)								
3.4.5	Experimental vaccine production	LBVD (Myanmar)								
3.4.6	Field test of experimental vaccine	LBVD (Myanmar)								
3.5	Brucellosis vaccine and antigen production and quality control									
3.5.1	Training of Myanmar counterpart in Thailand	Division of Veterinary Biologics (DLVD)						Training in Thailand (1 m)		
3.5.2	Dispatch of expert	Project office Division of Veterinary Biologics (DLVD)						Thai expert (1 wk)		4. Brucella vaccine and reagents for diagnosis was successfully produced. At the beginning even the facility did not exist but LBVD invested most of the necessary equipment and the production initiated within a year since the trainee came back from Thailand. This was also supported by a Thai expert.
3.5.3	Training of Myanmar staff by C/P	LBVD (Myanmar)						Sharing between the section staff		
3.5.4	Setting of vaccine production equipment	LBVD (Myanmar)						By LBVD		
3.5.5	Experimental vaccine production	LBVD (Myanmar)						By LBVD		
3.5.6	Field test of experimental vaccine	LBVD (Myanmar)						By LBVD		
Output 4. Improvement of animal quarantine techniques										
4.1	Promote technical concepts and practical procedures of quarantine									
4.1.1	Dispatch of expert	AQ (Thailand)								
4.1.2	Participating in regional seminar and workshop	Disease Control Division and Project office						Workshop on animal movement management (2 wks)		
4.2	Strengthen disease detection techniques at selected important border points									
4.2.1	Training of Myanmar counterpart in Thailand or Japan	Project office AQ (Thailand)						Training in Thailand (animal quarantine, 1 wk)		
4.2.2	Training of Myanmar staff by C/P	LBVD (Myanmar)						Sharing between the section staff		
4.2.3	Making a new manual for animal quarantine	LBVD (Myanmar)								
4.2.4	Practical use of new disease detection techniques	LBVD (Myanmar)								
Output 5. Improvement of animal quarantine techniques										
1. One day seminar on quarantine and animal movement for the officers and animal buyers at the selected border point										

No.	Project Activities	Responsible by	JFY						Activities		Target (Future Plan)
			2002	2003	2004	2005	2006	Input	Output		
	Outcomes of the activities										
Diagnosis	Dispatch of Japanese expert	LEVD							Japanese expert for cell culture (1 m)		
Diagnosis	Training of Myanmar counterpart in Thailand (log cholera & Aujesky's disease diagnosis)	NIAH (DLD)							(2 staff, 1 m each)		
Diagnosis	Training of Myanmar counterpart in Thailand (diagnosis on haemorrhagic septicemia)	NIAH (DLD)							(1 m)		
Diagnosis	Training of Myanmar counterpart in Thailand (rabies diagnosis)	NIAH (DLD)							(1 m)		
Diagnosis	Training of Myanmar counterpart in Thailand (diagnosis on parasitic diseases)	NIAH (DLD)							(2 staff, 2 m)		
Diagnosis	Training of Myanmar counterpart in Thailand (diagnosis of zoonotic diseases including TB, anthrax, brucellosis, leptospirosis & rabies)	NIAH (DLD)							(5 wks)		
Diagnosis	Participation of regional seminar on avian influenza in Malaysia	VRU (Ipoh)							(2004-1 wk, 2005-2 wks)		
Diagnosis	Dispatch of Malaysian expert	Project office							2 Malaysian experts (1 wk)		
Diagnosis	Dispatch of Thai expert (leptospirosis)	Project office							(1 wk)		
Diagnosis	Dispatch of Thai expert (brucellosis)	Project office							(1 wk)		
Diagnosis	Active surveillance of CSF	Mandalay Lab.							In-Country Activity for JFY2005	Collected 1,000 samples and established cell culture lab.	
Vaccine	Dispatch of Thai local consultant (equipment maintenance and management)	Project office							1 wk x 2 times	Repair 11 items of lab. equipment by the Project	

No.	Project Activities	Responsible by	JFY					Activities		Target (Future Plan)
			2002	2003	2004	2005	2006	Input	Output	
Output 2: Improvement of disease surveillance										
2.1 Improvement of diagnostic techniques										
Training for Thai counterpart										
2.1.1	Foot and Mouth Disease	FMD Diagnostic Center								
2.1.1.1	Training of Thai counterpart in Japan	Project office						FMD diagnosis (2 m) Swine vesicular diseases (2 m)	1. Training courses in Japan were applied to younger staff in the field of advance technologies, which are expected to be utilized in the neighboring countries in near future. The senior staff have already acquired decent knowledge and ability for international cooperation through the long-term relationship with Japanese aid.	1. Dispatch of Thai experts 2. Organization of individual training courses in Thailand
2.1.1.2	Dispatch of expert	Project office						2 Japanese experts (1.5 m, 1 wk)		
2.1.2	Classical Swine Fever	NIAH								
2.1.2.1	Training of Thai counterpart	Project office								
2.1.2.2	Dispatch of expert	Project office						2 Japanese experts (1 m, 1 m)		
2.1.3	Other diseases	NIAH								
2.1.3.1	Dispatch of expert	Project office						3 Japanese experts for avian influenza (1 wk, 1 m, 1 wk) 1 Japanese expert for anthrax (1 m)	2. The input of Japanese short-term experts were very effective and useful for the improvement of diagnostic technologies in Thailand.	
2.1.3.2	Training of Thai counterpart in Japan	Project office						HS (2 m), AI (2 m), Bacterial diseases (2 m), Immunohistochemistry (2 m)	3. A total of 26 training courses in 14 subjects were organized and 54 trainees participated in the courses. Those trainees became well informed and skilled of diagnosis, which resulted in the improvement of diagnostic capability of their institutes. 4. A total of 44 Thai experts were dispatched to the neighboring countries in order to complement the training courses and establish the diagnosis in each country. The techniques were modified and became more adaptable according to the conditions of each laboratory through the experts' guidance in respective countries. These mutual visits and activities brought up close relationship between the staff of the institutes in the region.	
Training for staff of neighboring country										
2.1.4	Foot and Mouth Disease	FMD Diagnostic Center						C-2, L-3, Ma-2, My-4, V-4		
2.1.5	Classical Swine Fever	NIAH (DLD) NIAH (Japan)						C-2, L-3, Ma-1, My-2		
2.1.6	Hemorrhagic Septicemia	NIAH (DLD)						C-1, L-1, My-1, V-2		
2.1.7	Tuberculosis	NIAH (DLD) NIAH (Japan)						C-1, My-1, V-1		
2.1.8	Brucellosis	NIAH (DLD)						C-1, Ma-2		
2.1.9	Newcastle disease	NIAH (DLD) or VRI (DVS)						C-1		
2.1.10	IBD	NIAH (DLD) or VRI (DVS)								
2.1.11	Other diseases	NIAH (DLD)						2002: Duck viral hepatitis (V) 2003: Anthrax (Ma-2), Leptospirosis (Ma), Parasites (C, Ma), Pathology (L, V) 2004: Immunohisto-chemistry (Ma), Rabies (Ma, My), Parasites (My-2, V), Pathology (C), Swine erysipelas (C) 2005: Zoonosis (Ma, My, V)		

No.	Project Activities	Responsible by	JTY					Activities		Target (Future Plan)
			2002	2003	2004	2005	2006	Input	Output	
Providing consultation for diagnostic technology for the region										
2.1.1.2	Providing consultation for diagnostic technology for the region	NIAH (DLD) and FMD diagnostic center						49 Thai experts dispatched in total (15 subjects on diagnosis and 4 on vaccine production).		
2.2										
2.2.1	Collating of technical information on diseases	Division of Veterinary Epidemiology								1. Individual researchers has been accumulating data and references, however, the database has not been developed so that the researchers can share the information. The responsible section and personnel are also unclear.
2.2.2	Development of database for research on FMD	Division of Veterinary Epidemiology								
2.2.3	Development of database for research on Classical swine fever	Division of Veterinary Epidemiology								
2.2.3	Development of database for research on other diseases	Division of Veterinary Epidemiology								
2.3										
2.3.1	Improvement of data collection, analysis and distribution of epidemiological information	Division of Veterinary Epidemiology								
2.3.1	Harmonizing forms for collecting and reporting of disease, analysis technology, and information distribution system using AHPISA concepts	Division of Veterinary Epidemiology								
Training on information technology for Thai counterpart										
2.3.1.1	Training on disease surveillance and investigation	Division of Veterinary Epidemiology						Training in Japan (1 m)		
Training on information technology for staff of neighboring country										
2.3.1.2	Training on disease surveillance and investigation	Division of Veterinary Epidemiology						Veterinary Epidemiology Workshop (1 wk)		
2.3.1.3	Workshop on harmonizing of disease information system	Division of Veterinary Epidemiology						Veterinary Epidemiology Workshop (1 wk)		
2.3.2	Establishment of basic disease information system	Division of Veterinary Epidemiology								
2.3.2.1	Establishment of basic disease information system on the internet	Division of Veterinary Epidemiology								
2.3.2.2	Development of contents of information to be distributed	Division of Veterinary Epidemiology								
2.3.2.3	Development of interactive information supply system	Division of Veterinary Epidemiology								

No.	Project Activities	Responsible by	JFY					Activities		Target (Future Plan)
			2002	2003	2004	2005	2006	Input	Output	
	Improvement of vaccine production and quality control									
3.1	Improvement of vaccine production technology	Division of Veterinary Biologics							1. The pilot production of cell-culture CSF vaccine was successful through training in Japan and cooperation by Japanese expert and Thai researcher. Mass production will be initiated in near future.	
3.1.1	Improvement of technology for selection and maintenance of vaccine seeds	Division of Veterinary Biologics								
3.1.2	Introduction of GPE-vaccine for CSF	Division of Veterinary Biologics							2. Division of Veterinary Biologics organized 7 training courses on 4 subjects, in which 9 trainees participated. Those trainees contributed to improve the production technologies in their respective centers after participation in the courses. Especially, their effect were remarkable in Myanmar and Lao PDR, where vaccine production has high priority as national policy.	
3.1.2.1	Dispatch of expert	Project office						Japanese expert (2 m)		
3.1.2.2	Training of Thai counterpart in Japan	Project office						CSF vaccine production (2 m)		
3.1.3	Setting up GMP system for vaccine production factory									
3.1.3.1	Dispatch of expert	Project office						2 Japanese experts (1 m, 1 m)		
	Training for staff of neighboring country									
3.1.4	FMD vaccine production	Division of Veterinary Biologics						My-2	3. FMD vaccine for pigs and Brucella vaccine were newly produced in Myanmar and HS oil-adjutant vaccine in Lao PDR.	
3.1.5	Newcastle Disease vaccine production	Division of Veterinary Biologics or VRI (DVS)						L-1, My-2	4. Thai experts were dispatched and supported these vaccine development in the neighboring countries by providing effective cooperation and advice.	
3.1.6	Remorrhagic Septicemia vaccine production	Division of Veterinary Biologics						L-2, V-1		
3.1.7	Other vaccines except rabies vaccine production	Division of Veterinary Biologics						2004: brucellosis (My)		
3.2	Improvement of vaccine quality control	Division of Veterinary Biologics								
3.2.1	Assessment of current situation following the OIE and ASEAN guidelines and providing recommendation and technical support to earn standardized accreditation	Division of Veterinary Biologics								
3.2.1.1	Dispatch of expert	Project office						Japanese expert (1 m)		

No.	Project Activities	Responsible by	JFY					Activities		Target (Future Plan)
			2002	2003	2004	2005	2006	Input	Output	
	Output: Improvement of animal quarantine technology									
4.1	Promotion of technical concepts and practical procedures of animal quarantine	Division of Disease Control								
4.1.1	Dispatch of expert	Project office						2 Japanese experts (2 wks, 1 m)		
4.1.2	Promotion of technical concepts and practical procedures of animal quarantine	Division of Disease Control and Project office						Training course on animal quarantine (C, L, Ma, My, V)		
4.2	Strengthening of disease detection system at selected important border points	Division of Disease Control								
4.2.1	Training of Thai staff in Japan	Project office AO (Japan)						Animal quarantine inspection		
4.2.2	Practical training for Thai field staff	Division of Disease Control						Workshop on Animal Movement Management (2 wks, C, L, Ma, My, T, V)		
4.2.3	Training for staff of Neighboring Country	Division of Disease Control								
Sub-type of the activities specified in PO										
Diagnosis	Participating in workshop on CSF	Project office								
Diagnosis	Participation of regional seminar on avian influenza in Malaysia	VRI (IpoH)							In Vietnam & Philippines (2004-1 wk, 2005-2 wks)	
Management	Training of Thai staff in Japan	Project office							Field study (2 staff, 2 wks each)	
Vaccine	Training of Thai staff in Japan	Project office							Vaccine production & quality control (2 m)	

Vietnam

No.	Project Activities	Responsible by	JFY					Activities		Target (Future Plan)
			2002	2003	2004	2005	2006	Input	Output	
	Strengthening of capacity for regional cooperation system and human as well as other resources for effective animal disease control									
1.1	Development of available manpower and institutional resources for regional cooperation	Department of Animal Health (Vietnam)							1. Personnel network for cooperation in the region was well established through the training courses, seminars and dispatch of experts.	1. The 10th NC and 6th JCC meetings
1.1.1	Studying on important and practical topic and subjects	DAH (Vietnam)						Participation in NC Meetings, Discussion with experts		2. Dispatch of Thai and Malaysian experts
1.1.2	Development of the database of training institutions in the region	DAH (Vietnam)						Project home page developed (the lists of personnel and organizations uploaded)		3. Training courses in Thailand and Malaysia
1.1.3	Development of the database of available human resources in the region	DAH (Vietnam)								4. The closing seminar of the Project.
1.2	Plan and implement country plans under the Project including staff training and equipment	DAH (Vietnam)								
1.2.1	Making PO and APO	Project office						2002: 1 Thai expert, Participation in NC & JCC Meetings		
Output 2	Improvement of Disease surveillance									
2.1	Improvement of diagnostic technology									
Foot and Mouth Disease										
2.1.1	Training of Vietnam counterpart in Thailand	FMD center (Pakchong)						Training in Thailand (4 staff, 2 m x 2, 1 m x 2)	1. In the training courses in Thailand and Malaysia, and trainees studied diagnostic techniques on many diseases including the ones not listed in PO (see the table "Out-scope of the activities specified in PO" below). The techniques were actually rooted in NCVD under the support of Thai experts, which resulted in the improvement of diagnostic capability of the center.	1. Dispatch of Thai and Malaysian experts
2.1.2	Dispatch of expert	Project office/ NIAH (DLD)								2. Serosurveys on TB and trypanosomiasis as In-Country Activities for JFY2006
2.1.3	Participating in the seminar	DAH (Vietnam)								3. Individual training in Thailand and Malaysia
2.1.4	Training of Vietnam staff by C/P	DAH (Vietnam)						Sharing between the section staff		
2.1.5	Active surveillance of FMD	DAH (Vietnam)								
Infectious bursal disease										
2.1.6	Training of Vietnam counterpart in Malaysia	Project office/ VRI (Ipoh)						Training in Malaysia (1 m)	3. Cell culture was established by a Thai expert and virus isolation at NCVD became feasible (the staff have experienced cell culture several times during the training courses abroad but never been able to initiate at NCVD).	
2.1.7	Dispatch of expert	Project office/ VRI (Ipoh)						That expert on histopathology		
2.1.8	Training of Vietnam staff by C/P	DAH (Vietnam)						Sharing between the section staff		
2.1.9	Active surveillance of poultry disease	DAH (Vietnam)							4. A standardized technique for CSF (neutralizing peroxidase-linked assay) was established.	

No.	Project Activities	Responsible by	JFY					Activities		Target (Future Plan)
			2002	2003	2004	2005	2006	Input	Output	
Duck viral hepatitis										
2.1.10	Training of Vietnam counterpart in Malaysia	Project office/ NIAH (DLD)						Training in Thailand (2 m)		
2.1.11	Dispatch of expert	Project office/ VRI (jph)						Thai expert on histopathology		
2.1.12	Training of Vietnam staff by C/P	DAH (Vietnam)						Sharing between the section staff		
2.1.13	Active surveillance of poultry disease	DAH (Vietnam)								
Classical swine fever										
2.1.14	Participating in the seminar	Project office						Workshop in Philippines & Vietnam		
Rabies										
2.1.15	Training of Vietnam counterpart in Thailand	Project office/ NIAH (DLD)						Training in Thailand (1 wk)		
2.1.16	Dispatch of expert	Project office/ NIAH (DLD)								
2.1.17	Training of Vietnam staff by C/P	DAH (Vietnam)						Sharing between the section staff		
2.1.18	Utilizing for practical diagnosis of rabies	DAH (Vietnam)								
2.2	Implement of data collection, analysis and distribution of epidemiological information									
2.2.1	Training of Vietnam counterpart in Thailand	Division of Epidemiology (DLD)						Veterinary Epidemiology Workshop (1 wk)		
2.2.2	Training of Vietnam staff by C/P	DAH (Vietnam)						Sharing between the section staff		
2.2.3	Planning of the active surveillance	DAH (Vietnam)						Planning of In-Country Activity (HS vaccine & CSF)		
2.2.4	Using of epidemiological information system	DAH (Vietnam)								
2.3	Development of basic disease information system	Division of Epidemiology (DLD)								
2.3.1	Training of Vietnam counterpart in Thailand	Division of Epidemiology (DLD)								
2.3.2	Training of Vietnam staff by C/P	DAH (Vietnam)								
2.3.3	Making the data base of animal disease	DAH (Vietnam)								
2.3.4	Planning to provide the data for animal disease control	DAH (Vietnam)								
<p>(Remarks)</p> <p>1. AHPISA cannot be relied on since it's not functioning properly.</p> <p>2. OIE introduced a new system called 'ARAHIS' and the Project is going to support it.</p> <p>3. The actual application of ARAHIS depends on the forthcoming activities of the Project.</p>										

No.	Project Activities	Responsible by	JFY					Activities		Target (Future Plan)
			2002	2003	2004	2005	2006	Input	Output	
	Improvement of vaccine production and quality control									
3.1	Improvement of Hemorrhagic Septicemia vaccine production and quality control									
3.1.1	Training of Vietnam counterpart in Thailand	Division of Veterinary Biologies (DLD)						Training in Thailand (2 m)		1. In Vietnam several semi-state companies produce HS and CSF vaccines, which are exported to the neighboring countries. 2. Guidelines for vaccines have been made and their qualities controlled by DAH.
3.1.2	Dispatch of Thai expert	Division of Veterinary Biologies (DLD)								2. The Project accepted one trainee for quality control training and the field evaluation of HS vaccine was carried out as In-Country Activity 2005 (one domestic vaccine tested).
3.1.3	Training of Vietnam staff by C/P	DAH (Vietnam)						Sharing between the section staff		
3.1.4	Improvement of procedure of vaccine production	DAH (Vietnam)								
3.1.5	Production of improved HS vaccine	DAH (Vietnam)								
3.2	Improvement of classical swine fever vaccine production and quality control									
3.2.1	Training of Vietnam counterpart in Japan	Project office								
3.2.2	Dispatch of expert	Project office								
3.2.3	Training of Vietnam staff by C/P	DAH (Vietnam)								
3.2.4	Production of experimental vaccine	DAH (Vietnam)								
3.2.5	Field test of experimental vaccine	DAH (Vietnam)								
	Improvement of animal quarantine technology									
4.1	Promotion of technical concepts and practical procedures of quarantine	DAH (Vietnam)								
4.1.1	Dispatch of expert	Project office AQ (Thailand)								1. The official route across the border for animal movement and system were defined through the seminar and workshop jointly organized by JICA, OIE and FAO.
4.1.2	Participating in regional seminar and workshop	Disease Control Division and Project office						Workshop on animal movement management (2 wks)		
4.2	Strengthening of disease detection system of selected important border points	DAH (Vietnam)								
4.2.1	Training of Vietnam counterpart in Thailand or Japan	Project office AQ (Thailand)						Training in Thailand (animal quarantine, 1 wk)		
4.2.2	Training of Vietnam staff by C/P	DAH (Vietnam)						Sharing between the section staff		
4.2.3	Making a new manual for animal quarantine	DAH (Vietnam)								
4.2.4	Practical use of new technology	DAH (Vietnam)								

No.	Project Activities	Responsible by	JFY					Activities		Target (Future Plan)
			2002	2003	2004	2005	2006	Input	Output	
Cancellation of the activities specified in PO										
Diagnosis	Dispatch of Japanese expert (AI diagnosis)	Project office NCVD, NIVR							(1 wk)	
	Dispatch of Japanese expert (brucellosis)	Project office NCVD							(1.5 wk)	
Diagnosis	Training of Vietnamese counterpart in Thailand (pathological diagnosis)	NIAH (DLD)							(2 m)	
Diagnosis	Training of Vietnamese counterpart in Thailand (bovine tuberculosis diagnosis)	NIAH (DLD)							(1 m)	
Diagnosis	Training of Vietnamese counterpart in Thailand (diagnosis on HS)	NIAH (DLD)							(2 staff, 1 m each)	
Diagnosis	Training of Vietnamese counterpart in Thailand (diagnosis on parasitic diseases)	NIAH (DLD)							(2 m)	
Diagnosis	Training of Vietnamese counterpart in Thailand (diagnosis of zoonotic diseases)	NIAH (DLD)							(1 m, includes TB, anthrax, brucellosis, leptospirosis)	
Diagnosis	Participation of regional seminar on avian influenza in Malaysia	VRI (poh)							(2004-1 wk, 2005-2 wks)	
Diagnosis	Dispatch of Thai expert (leptospirosis)	NIAH/NCVD							(1 wk)	
Diagnosis	Dispatch of Thai expert (pathology)	NIAH/NCVD							(1 wk)	
Diagnosis	Dispatch of Thai expert (immunohistochemistry)	NIAH/NCVD							(1 wk)	
Diagnosis	Dispatch of Thai expert (brucellosis)	NIAH/NCVD							(1 wk)	
Diagnosis	Dispatch of Thai expert (cell culture)	NIAH/NCVD							(1 wk)	
Diagnosis	Dispatch of Thai expert (trypanosomiasis)	NIAH/NCVD							(1 wk)	
Diagnosis	Field evaluation of HS vaccines	NCVD							In-Country Activity for JFY2005	
Diagnosis	Active surveillance of CSF	NCVD							In-Country Activity for JFY2005	