
Project Title	Building Capacity with Distance Assisted Training for Nuclear Medicine Professionals
Oracle Project Number	2061017
Objectives	To develop the competencies and capabilities of individuals, groups, or countries in the safe and efficient practice of nuclear medicine through a harmonized web-based distance learning programme that would support Continuing Professional Development of nuclear medicine technologists.

General Project Data

Field(s)	(27) Nuclear medicine and diagnostic imaging
Project Achievements	<p>Project Number: RAS/6/064</p> <p>Project Title: Building Capacity with Distance Assisted Training for Nuclear Medicine Professionals</p> <p>Project Objective: To develop the competencies and capabilities of individuals, groups, or countries in the safe and efficient practice of nuclear medicine through a harmonized web-based distance learning programme that would support continuing professional development of nuclear medicine technologists.</p> <p>1st Year of Approval: 2012</p> <p>Estimated Duration: 1 year</p> <p>Expected End Date: 12/2013</p> <p>Project Background:</p> <p>Nuclear medicine technologists within the region have varied training, often limited opportunities and/or resources and even scarcer remote practices. Under the project RAS/6/029 "Distance Assisted Training in Nuclear Medicine (DAT)", a harmonise training syllabus and course material which has improved the delivery mechanisms and helped tailor the course to suit the professional development programmes of all nuclear medicine specialities was established. Furthermore, a website was developed for the delivery of DAT on-line (DATOL) which offers a new and unique benchmark for assessed competency based standards which enables the harmonization of global training in Nuclear Medicine & PET for which no alternative form of training currently exists. In parallel, the project trained National DAT programme Coordinators on how to utilize DATOL for in-country program implementation in addition to training Member States staff for tutoring and extended utilisation of DATOL. As MS interest in DATOL increased, the next TC project RAS/6/064 was initiated to update the training material and adapt the website facility to accommodate translated materials and support additional regional complementary resources.</p> <p>DATOL is a harmonised, web-based, distance learning programmed and a formal vocational training for nuclear medicine professionals. It is the result of a joint initiative between the IAEA and the University of Sydney and has been greatly benefitted from the close cooperation of the University in the development process. In addition, the success of DATOL development is also credited to the nuclear medicine professionals from Member States.</p> <p>Project Outputs:</p> <p>The Agency has provided a number of international experts to the Philippines, Thailand, Malaysia, Sri Lanka, Bangladesh, China and Vietnam over the course of 2012 – 2013 where additional guidance were provided towards National coordination so that the individual countries can take more responsibility to drive their National DAT programme. These missions were successful in:</p> <ul style="list-style-type: none">- Training of more MS users for in-country management of DAT-OL facilities including website structure and management, tutor roles and activities, use of country webpage, among others- Overview of current DATOL status through SWOT analysis of visited countries- Better adaptation of materials for multidisciplinary use and local needs- Strengthened National Coordination and team management- Practical assessment advice was provided- DAT-OL local implementation problems were assessed and addressed- Encouragement of High Education Institutions (HEI) involvement to make DAT-OL an official Diploma course

In addition, an expert mission was held in Austria regarding the improvement and extended training resources adapted to regional need available on-line. The mission was successful in

- Refining, updating and integrating the DATOL training materials.
- Making the DATOL materials available in local languages.
- Manage and operate the DATOL website to be responsive and meet the required training needs and maintain its currency.

The final meeting held in April 2014 in Austria was a review of the effectiveness of the project management and coordination at both regional and national level. The two main agenda for the meeting were i) Implementing DATOL through Human Health Campus (HHC) and ii) Discussing and finalising the report on the project (RAS/6/064)

Project Outcomes:

The key achievement of the project is that RCA MS have successfully adopted the DAT-OL as a comprehensive training program for nuclear medicine technologists and specialized provisions for other nuclear medicine professionals.

Remarks:

In order to ensure the continued updating and relevance of the training material the Agency should consider ways in which the currently available material can be periodically reviewed.

The overall project has been successful with the launch of DATOL website on 25 September 2014 through the Agency's HHC with open and student access modalities. Its success can be seen by the way that utilization of DATOL is maximized and the training is adopted both in more number of Member States.

ACC Sector		Project Status	Completed on 2014-12-03
Original Funding	Core	1st Year Of Approval	2012
Estimated Duration	2 year(s)		

IAEA Personnel

Programme Management Officer	WOLDE, Gashaw Gebeyehu Gebeyehu	TCAP	Asia and the Pacific Section 1
Section Head	ACUNA, Oscar E.		Asia and the Pacific Section 1
Technical Officer(s)	KASHYAP, Ravi		Nuclear Medicine and Diagnostic Imaging Section

Recipient Institutes and Counterpart(s)

Australia	Australian Nuclear Science and Technology Organisation ANSTO; International & Regional Liaison Executive Division; (EASEY, John Frederick)
Australia	University of Sydney, Radiation Physics Laboratory, Sydney Medical School; National Imaging Facility, BMRI; (PATTERSON, Heather Elizabeth)
Bangladesh	Bangladesh Atomic Energy Commission (BAEC); (AFROZ, Dr. Shahana)
China	HuaDong Hospital; Nuclear Medicine Department; (HE, Wei)
India	Department of Atomic Energy (DAE); Tata Memorial Centre; Tata Memorial Hospital; (RANGARAJAN, Venkatesh)
India	Department of Atomic Energy (DAE); Tata Memorial Centre; Tata Memorial Hospital; Department of Radiation Oncology - India; (DESHPANDE, Deepak)
Indonesia	National Cancer Hospital Dharmais; (ROSALINA, Rosalina)
Indonesia	Dharmais Hospital; National Cancer Center; (KARDINAH, Kardinah)
Japan	Saitama Medical University; Department of Radiation Oncology; International Medical Center; Saitama Medical University; (TAMAKI, Tomoaki)
Japan	Gunma Prefectural College of Health Sciences; (WATANABE, Naoyuki)

Malaysia	Ministry of Health Malaysia; (MUTHUVELU, Pirunthavany)
Malaysia	Ministry of Health Malaysia; Engineering Services Division; (SAPIIN, BAZLI)
Mongolia	Government of Mongolia; Nuclear Energy Agency (Mongolia); (TUMURBAATAR, Baigal)
Mongolia	National Cancer Centre; Outpatient Clinic; National Cancer Centre; Outpatient Clinic; Radiology Department; (GONCHIG, Odontuya)
Myanmar	Ministry of Health; International Health Division; (HLA SOE)
New Zealand	National Radiation Laboratory, ESR Institute of Environmental Science and Research Ltd, Christchurch Science Centre; (COTTERILL, Anthony David)
Pakistan	Pakistan Atomic Energy Commission (PAEC); Centre for Nuclear Medicine and Radiotherapy; (AHMAD, Iftikhar)
Philippines	Philippine Heart Center; Nuclear Medicine Department; (MONZON, Orestes)
Philippines	Rizal Medical Centre; Nuclear Medicine Service; (OBMERGA, Consolacion Oblea)
Republic of Korea	SEOUL NATIONAL UNIVERSITY; Seoul National University Hospital; Seoul National University; Seoul National University Hospital; Department of Nuclear Medicine; (CHUNG, June-Key)
Singapore	Singapore General Hospital; Singapore General Hospital; Department of Nuclear Medicine and Molecular Imaging; (SOMANESAN, S.)
Singapore	Singapore General Hospital; Singapore General Hospital; Department of Nuclear Medicine and Molecular Imaging; (HOON, Philip)
Thailand	Chulalongkorn University; Chulalongkorn University; Faculty of Medicine; Department of Radiology - Thailand; (KRISANACHINDA, Anchali)
Thailand	Chulalongkorn University; Chulalongkorn University; King Chulalongkorn University Hospital; (SONTRAPORNPOL, Tanawat)
United Kingdom	University College London; Medical School; Institute of Nuclear Medicine(253651); (HUTTON, Brian Forbes)
Viet Nam	Hanoi Medical University; Nuclear Medical Department; (PHAN SY, An)
Viet Nam	Nuclear Medicine and Oncology Center, Bach Mai Hospital; (MAI, Khoa Trong)

Current Year Financial Status

Fund	Component	Current Year Disbursement	Current Year Unliquidated Obligation	Previous Year Disbursement	Previous Year Unliquidated Obligation	Current Year Implementation	Total Implementation	Total Disbursement
	Grand Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Financial Approvals

Core Approvals

Year	Experts	Meetings/Workshops	Fellowships	Scientific Visits	Training Courses	HR Total	Equipment	Subcontracts	Miscellaneous	PR Total	Total Approval
2012	35,000.00	0.00	0.00	0.00	0.00	35,000.00	0.00	17,000.00	0.00	17,000.00	52,000.00
2013	3,500.00	45,000.00	0.00	0.00	0.00	48,500.00	0.00	3,500.00	0.00	3,500.00	52,000.00

Footnote Approvals

Year	Experts	Meetings/Workshops	Fellowships	Scientific Visits	Training Courses	HR Total	Equipment	Subcontracts	Miscellaneous	PR Total	Total Approval
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Experts

Task	Task title/Participant Name	Nationality	Candidate approached	Submitted:s Accepted:a	Withdrawn:w Rejected:r	Start Date	End Date	Duration (days)	
01	DATOL Training- Website use and National Programe Management Mission 01 JD Submitted: 2012-07-03 Duty Station : Bangkok(THA; Quezon City, PHI) KASHYAP, Ravi HUTTON, Brian Forbes PATTERSON, Heather Elizabeth					2012-08-06 2012-08-06 2012-08-06	2012-08-12 2012-08-12 2012-08-12	6 6 6	Field: 6B
01	DATOL Training- Website use and National Programe Management Mission 02 JD Submitted: 2013-01-22 Duty Station : Peradeniya(SRL; Putrajaya, MAL; Dhaka, BGD) PATTERSON, Heather Elizabeth HUTTON, Brian Forbes	AUL				2013-03-11 2013-03-11	2013-03-21 2013-03-21	10 10	Field: 6B
01	DATOL Training- Website use and National Programe Management Mission 03 JD Submitted: 2013-06-21 Duty Station : Ho Chi Minh City(VIE; Shanghai, CPR; Dhaka, BGD) PATTERSON, Heather Elizabeth	AUL				2013-08-06	2013-08-16	10	Field: 6B

Task	Task title/Participant Name	Nationality	Candidate approached	Submitted:s Accepted:a	Withdrawn:w Rejected:r	Start Date	End Date	Duration (days)		
02	HUTTON, Brian Forbes	AUL				2013-08-05	2013-08-15	10	Field: 6B	
	KASHYAP, Ravi					2013-08-06	2013-08-16	10		
	To formulate an approach for sustainability of implementation and content developmet of DATOL									
	Mission 01 JD Submitted: 2012-08-29									
	Duty Station : Vienna(AUS)									
	HUTTON, Brian Forbes	AUL	2012-08-30			2012-09-19	2012-09-20	1		
	PATTERSON, Heather Elizabeth	AUL	2012-08-29			2012-09-19	2012-09-20	1		

Meetings/Workshops

Task	Task title/Participant Name	Nationality	Candidate approached	Submitted:s Accepted:a	Withdrawn:w Rejected:r	Start Date	End Date	Duration (days)	
9001	Final Coordination meeting								Field: 27
	Mission 01 JD Submitted: 2014-01-03								
	Duty Station : Vienna(AUS)								
	PATTERSON, Heather Elizabeth	AUL				2014-04-07	2014-04-09	2	
	HUTTON, Brian Forbes	AUL				2014-04-07	2014-04-09	2	

Fellowships

No	Name	Nominated	Awarded:a Non-awarded:n Withdrawn:w	Host Country	Type	Proposed:p Accepted:a Rejected:r	Anticipated Start Date	Start Date	End Date	Proposed Duration
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Scientific Visits

No	Name	Nominated	Awarded:a Non-awarded:n Withdrawn:w	Host Country	Type	Proposed:p Accepted:a Rejected:r	Anticipated Start Date	Start Date	End Date	Proposed Duration
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Training Courses

Equipment

WP	PO Num		Total Value	Order Date	Status	Vendor Name	Vendor Location	
Item	Quantity	Unit	Item Description				Planned Shipping Date	Actual Shipping Date
	201404141			2014/09/02	APPROVED	Haselsteiner-display-systeme		
1	1	each	Solo D1 Banner				2014/09/02	2014/10/06
2	1	each	Print Prepration				2014/09/02	2014/10/06
3	1	each	Freight				2014/09/02	2014/10/06

Sub-contracts

WP	PO Num		Total Value	Order Date	Status	Vendor Name	Vendor Location	
Item	Quantity	Unit	Item Description				Planned Shipping Date	Actual Shipping Date
	EMS-28235		2013/07/05		APPROVED	HUTTON, Mr Brian F		
1	6392	each	SupplierNumber:4907 HUTTON, Brian Forbes Non Staff					
	EMS-23747		2013/02/20		APPROVED	HUTTON, Mr Brian F		
1	6187	each	5906 HUTTON, Mr. Brian Forbes Staff HUTTON, Br (Consultants and Experts-Fees and Honorarium)					
	EMS-28234		2013/07/05		APPROVED	PATTERSON, Ms Heather Elizabeth		
1	10131	each	SupplierNumber:9756 PATTERSON, Heather Elizabeth Non Staff					
	EMS-23748		2013/02/20		APPROVED	PATTERSON, Ms Heather Elizabeth		
1	10858	each	10755 PATTERSON, Ms. Heather Elizabeth Staff PATTERSON, (Consultants and Experts-Fees and Honorarium)					
	EMS-16756		2012/07/19		APPROVED	PATTERSON, Ms Heather Elizabeth		
1	7746	each	10755 PATTERSON, Ms. Heather Elizabeth Staff PATTERSON, (Consultants and Experts-Fees and Honorarium)					

	EMS-16757		2012/07/19	APPROVED	HUTTON, Mr Brian F
1	4920	each	5906 HUTTON, Mr. Brian Forbes Staff HUTTON, Br (Consultants and Experts-Fees and Honorarium)		
	EMS-17987		2012/08/31	APPROVED	HUTTON, Mr Brian F
1	2072	each	5906 HUTTON, Mr. Brian Forbes Staff HUTTON, Br (Consultants and Experts-Fees and Honorarium)		

Training Courses

WP	PO Num			Total Value	Order Date	Status	Vendor Name	Vendor Location	
Item	Quantity	Unit	Item Description					Planned Shipping Date	Actual Shipping Date

Others

WP	PO Num			Total Value	Order Date	Status	Vendor Name	Vendor Location	
Item	Quantity	Unit	Item Description					Planned Shipping Date	Actual Shipping Date

	EMS-36527		2014/03/05	APPROVED	HUTTON, Mr Brian F
1	1429	each	SupplierNumber:4907 HUTTON, PROF.. Brian Forbes Non Staff		
	A1208084-1525EUR		2012/07/13	APPROVED	American Express Services Europe Limited, Niederlassung Wien
1	3787	each	12ET08084 8205 KASHYAP, Ravi Vienna - Bangkok (THA) - Quezon City (P		
	A1309393-1525EUR		2013/07/11	APPROVED	American Express Services Europe Limited, Niederlassung Wien
1	3916.61	each	13ET09393 8205 KASHYAP, Ravi Vienna - Shanghai (CPR) - Ho Chi Minh Ci		
	A1309393-8205EUR		2013/07/11	APPROVED	KASHYAP, Mr Ravi
1	2224.3	each	13ET09393A 8205 KASHYAP, Ravi Vienna - Shanghai (CPR) - Ho Chi Minh Ci		
	EMS-36528		2014/03/05	APPROVED	PATTERSON, Ms Heather Elizabeth
1	2981	each	SupplierNumber:9756 PATTERSON, MS.. Heather Elizabeth Non Staff		
	A1208084-8205EUR		2012/07/13	APPROVED	KASHYAP, Mr Ravi
1	1636.94	each	12ET08084A 8205 KASHYAP, Ravi Vienna - Bangkok (THA) - Quezon City (P		
	EMS-17996		2012/09/03	APPROVED	PATTERSON, Ms Heather Elizabeth
1	554	each	10755 PATTERSON, Ms. Heather Elizabeth Staff PATTERSON, (Duty Travel Non Staff for TC Projects)		