



PACS

Pacific Area Cataloguing Seminar

17 December 2006

The Key to Interoperability in the Pacific

Issue 24



Cataloguing in Support of Life Cycle Management (LCM)

Contributed by Bernard Aw York Lin, Senior Manager- SAF Cataloguing Authority (SAFCA)

Introduction

Life Cycle Management (LCM) is a total system approach for the planning, acquisition, operation and support of the weapon system. The definition of LCM implies a 'conception to retirement' responsibility for the weapon system. It is a structured and co-ordinated management process to ensure that effective efforts and activities are performed throughout its life cycle.

Major Phases in LCM

The four major phases in the LCM process are:

- Front End Planning,
- Acquisition Management,
- Transition to Operation and Support (O&S), and
- O&S Management (till system retirement).

Cataloguing has a role in support of each of these phases, and this article explains SAFCA's involvement and the functions of cataloguing in the LCM process.

The diagram in **Annex A** provides an overview of how cataloguing

supports and value-add to the LCM process.

Front End Planning

The Programme Management Team (PMT) is established at this stage. SAFCA's involvement starts here, to understand the complexity of the project, the Integrated Logistics Support (ILS) plan, and to provide input on cataloguing data requirements for inclusion into the tender specifications. Through early involvement, we are better able to plan ahead for the cataloguing man-effort

Acquisition Management Phase

The three distinct activities in the Acquisition Management phase are:

- Invitation to Tender (ITT),
- Contract Clarification & Negotiation, and
- Contract & Programme Management.

Invitation To Tender (ITT) - new items to be purchased and managed in the inventory have to be catalogued and assigned with

Editor:

Paul Kenworthy
Tel: 61 3 9282 3299
Fax: 61 3 9282 3692
E-mail:
paul.kenworthy@
defence.com.au

(Continued on page 2)

(Continued from page 1)

NSNs. To this end, a Codification Clause is included in the tender documents. This is a key ILS deliverable and serves to solicit information pertaining to the technical specifications, drawings, parts catalogues and item related data; all of which are essential for logistics management of the weapon system and its spare parts. The Codification Clause also mandates contractors to furnish the actual/true manufacturers information and part numbers, besides the prime contractors part numbers.

Contract Clarification & Negotiation - this stage entails the clarification and negotiation with short-listed contractors. SAFCA helps to clarify issues raised by contractors pertaining to codification requirements in the tender documents. For equipment or systems originating from a NATO country, or countries participating in the NCS, the contractors are to furnish the NSNs for items, if they are available. Otherwise, we would proceed to clarify and negotiate for data and information needed to facilitate the cataloguing process.

Contract & Programme Management - following the award of contract to the successful contractor, SAFCA will monitor the delivery milestones for cataloguing data to prepare for the tasks ahead. Cataloguing commences once the initial provisioning lists are received. Pre-provisioning Screening and Item Entry Control are carried out to prevent duplicative items from entering the inventory.

Transition To Operation and Support (O&S)

This stage sees the completion of the cataloguing process by SAFCA and data initialization by the Programme Manager. Data initialization enables the items to be Brought-On-Charge (BOC) into the Supply Bases.

Operation & Support (O&S) Management

For purchase of new items during the O&S phase of the equipment life cycle, cataloguing requests are streamed into SAFCA from the Service Logistics Departments in the Armed Forces. From time to time, we can expect data to require updating. For maintenance of cataloguing data, SAFCA works with the System Managers who play a deciding role in maintaining the currency of the cataloguing database. We also work with the defense industries for cataloguing data updates. This allows us to detect obsolescent spares and to feedback such information to the Service Logistics Departments.

Weapon systems could undergo upgrades or modifications during its life cycle. SAFCA's involvement helps to ensure new items or modified parts introduced are catalogued, while replaced parts are deleted from the cataloguing database.

System Retirement - when a weapon system is finally retired from service, the NSNs specific to the system are no longer needed. They will be deleted from the database. The requests to 'retire' the NSNs from the

(Continued on page 3)

(Continued from page 2)

cataloguing database are authorised by the Service Logistics Departments. SAFCA shall then delete the NSNs in accordance with stipulated cataloguing transactions.

Conclusion

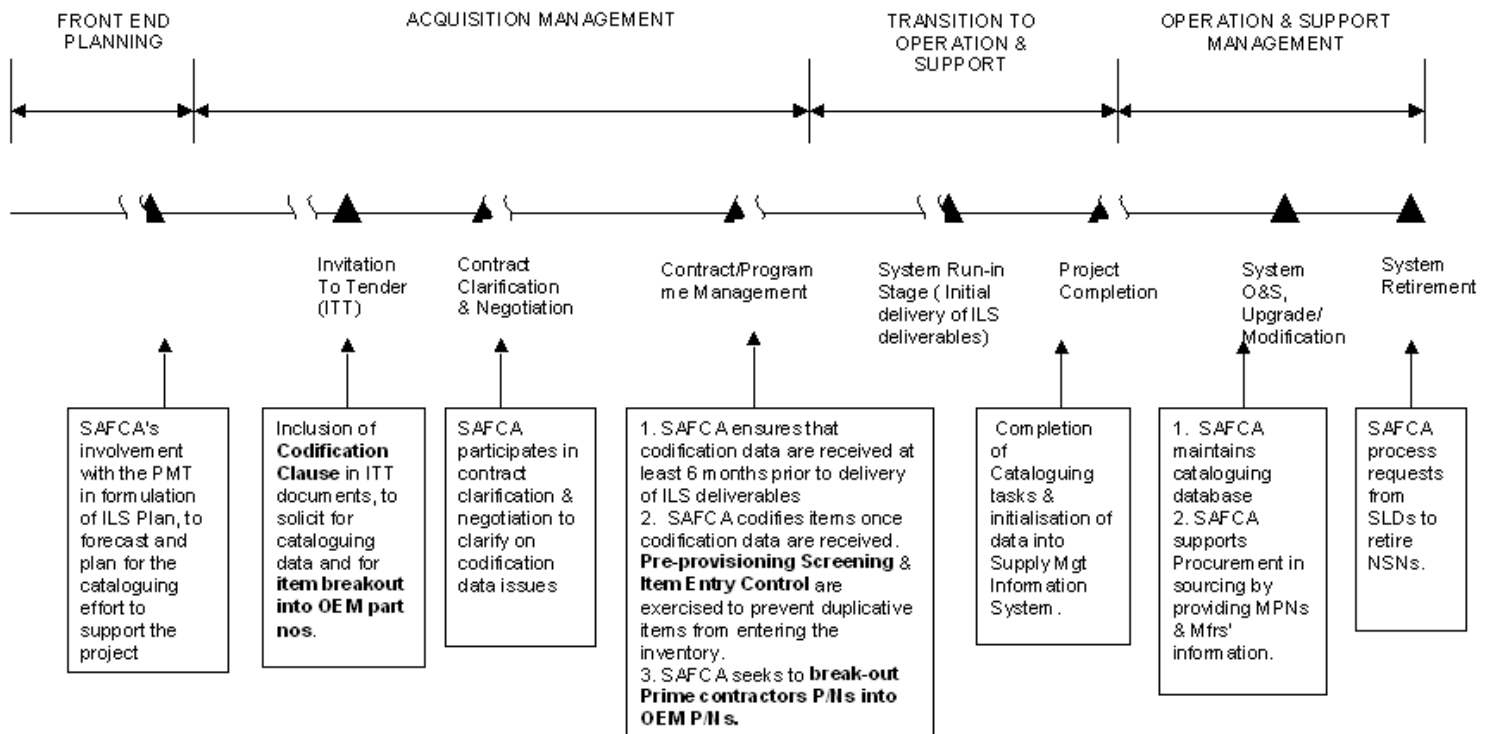
This article outlines the functions of cataloguing and how it fits into the major phases of a weapon system's Life Cycle. It highlights SAFCA's

involvement and value-add contributions in support of the LCM process. Cataloguing has a role in the Supply Chains that sustain our fighting forces, and is key to an effective Logistics Management System.

**Note – the words cataloguing and codification are used interchangeably in this article.*

ANNEX A

CATALOGUING IN SUPPORT OF LCM



US Completes its 7th Year of the NCB College

Contributed by John Zellers United States National Codification Bureau



Over the last seven years, the U.S. NATO Codification Bureau (NCB) at the Defense Logistics Information Service (DLIS) in Battle Creek, Michigan, has continued to grow as a center for training on the NATO Codification System (NCS). The target audience for the program has been those nations seeking to align their logistics processes with the NATO cataloging standard, but now the scope of interest is attracting an increasing number of NATO nations interested in providing career broadening experiences for their NCB staff. In October 2006, the U.S. NCB completed its seventh annual offering of a training program, known as the Logistics Information Management Course for International Logisticians, colloquially referred to as the "NCB College." This has been the largest attendance in the program, involving 19 students from 14 countries. In its seven year history, 98 students from 38 nations have successfully completed the program.



Continued international interest encourages DLIS to offer this training program as a regular annual event. The next training program is scheduled for August 13-October 5, 2007. In fact, early registrations have already been received for 16 students from Afghanistan, Chile, Egypt, Greece, Korea, Lithuania, Netherlands, Philippines, Poland, Thailand, Ukraine, and the United Kingdom. The available quotas for the 2007 training program are filling quickly.

During the eight-week program, participants learn about the following areas:

- Technical rules and procedures of the NCS, and the standards for data elements and for data exchange.
- Major components of a national cataloging headquarters, and the various functions, which can be a part of a headquarters operation, based on the U.S. example.
- The experiences, challenges, and successes of other nations in implementing a cataloging system at a national level. This year students heard from speakers from Australia, Austria, Brazil, Canada, France and the United Kingdom who spoke on their unique national approaches to the structure and implementation of their NCB organizations.

(Continued on page 5)

(Continued from page 4)



Mr Paul Kenworthy, Australian NCB gives the keynote address at the graduation ceremony.

- U.S. practices related to the structure and content of the national data file and organization of wholesale and retail supply functions provided a model to evaluate each student's unique national environments, and to apply it to planning for either development of an NCB or the enhancement of their existing national processes.

All these concepts are presented in three distinct areas related to the implementation of a national cataloging system: logistics applications of the NCS, the technical requirements for implementation of the system, and the internal operations and infrastructure of a bureau.

The logistics applications phase will highlight the interfaces and uses of codification data in logistics life cycle applications, emphasizing the acquisition of technical documentation used for cataloging. The technical requirement phase will highlight NCS implementation in such areas as the NATO Commercial and Governmental Entity Codes (NCAGE), the governance structure of the NCS (ACodP-1), NATO Mailbox System and U.S. data exchange, and the interface between the NCS and industry. Besides the presentation of

concepts and theories in the classroom, participants will get a thorough grounding in the behind-the-scenes skills it takes to operate an NCB. In the internal operations and infrastructure phase, students will also get a chance to put into practice what they learn with practical application exercises. Students work closely with an experienced U.S. cataloger, or mentor, to help them apply the theories learned in the classroom to the real word environment.



Capt Tarik Benkarroum, Morocco speaks on behalf of the class of 2006 at the graduation ceremony.

As a result of this training, each nation is better equipped to evaluate current codification methods using a model NCB organization, like the United States. The possible uses of the NCS to support other logistics applications will be more easily identified, specifically as they apply to data requirements. This training will enable members of any national core study team to participate more effectively with other consulting nations under any bilateral agreements to refine codification infrastructure. Besides the technical aspects of the program, students are given

(Continued on page 6)

(Continued from page 5)

opportunities for exposure to various cross-cultural experiences available through our Field Studies Program. A weekend in Chicago; trips in the local area to various historical and tourist sites; and to Lake Michigan will be part of the program for next year. Students also had the opportunity to visit several local base supply functions related to the F-16, the C-130 and A-10 aircrafts.

For more information on the NCS, see <http://www.dlis.dla.mil/nato/> and related links. Contact us at our office e-mail group: dlisimso@dla.mil for any further information about this article. Marketing brochures are available with more information about the curriculum. Course information is also offered through the Web site at http://www.dlis.dla.mil/nato/nbc_home.asp.

Codification Center of Defense Department of the Republic of Indonesia and Malaysian Armed Forces Cataloguing Authority (MAFCA) sign Memorandum of Agreement (MoA).

Contributed by Victor Manulong Indonesian National Codification Bureau



Signing up Memorandum of Agreement (MoA)

On November 20 – 24, 2006 the Malaysian Armed Forces Cataloguing Authority (MAFCA) paid a visit to Defense Codification Center Indonesia. During that time Codification Center of the Department of Defense of the Republic of Indonesia and MAFCA signed the Memorandum of Agreement (MoA) in the co-operation of education and training, the exchange of codifi-

cation data and codification services. The MoA was signed by Director of Defense Codification Center, F Admiral TNI Sri Nugroho B.G and Director MAFCA, Lt Col Zulkefri Omar RMAF, in Defense Codification Centre, Jakarta. On Wednesday (22/11).



Staff of MAFCA & Defense Codification

The signing of the MoA was also attended by the officials from Directorate General of Defense

(Continued on page 7)

(Continued from page 6)

Strategy, Directorate General of Defense Strength, Directorate General of Defense Facilities, Staff of Deputy Logistics (Army, Navy, and AirForce), and the Industrial Community.

In the MoA, the two parties agreed that co-operation between Defense Codification Center and MAFCA included personnel training, the codification data and the codification services for the interests of both organization. As for courses are prepared by MAFCA covers: the Introduction to the system of the ATM catalogue course, the management of the ATM catalogue course and Indoctrination of the system of the ATM catalogue course.

Before signing the MoA, Director of Defense Codification Center, F Admiral TNI Sri Nugroho said the visit of MAFCA to Defense Codification Center was the realization of the joint agreement on the codification system within the country that implemented the NCS.



Visit Weapon Manufacturer

Therefore, according to Sri Nugroho, the friendship that was

established between MAFCA and Defense Codification Center Indonesia must be increased in line with the Codification development at this time. "We needed the good co-operation to pursue the development of codification system that referred to NCS," he said.



Visit Indonesia Aerospace Industry

Sri Nugroho asked that materiel managers and materiel catalogers take full benefit from implementation of cataloguing of the Malaysian Government that has applied the NATO Codification System (NCS) for 20 years. "As the national Malaysian codification body, MAFCA is the place for education and training on the NCS in South East Asia," said Sri Nugroho.

After the signing of the MoA, MAFCA and Defense Codification Center members held a "Friendship Dinner" in Bandung and the following day visited PT. Pindad (Weapon Industry) and PT. Indonesian Aerospace Industry.

eOTD Report: Seminars Scheduled for Australia



Contributed by Steven Arnett, United States National Codification Bureau

As most of you know, DLIS and NATO Allied Committee 135 have been engaged for several years in a project to promote the industry version of the NATO Codification System (NCS), known as the ECCMA Open Technical Dictionary (eOTD). The eOTD includes all the item name and characteristics description data in the NCS but has a more modern data architecture and is compatible with XML and industry standards. eOTD has been embodied in ISO Standard 22745 and forms the basis a new standard for data quality, ISO 8000. Here's the latest news on the project:

ECCMA Conference and 50th ISO TC 184/SC4 Meeting

A combination 50th meeting of ISO TC 184/SC4 and ECCMA's International Cataloging Conference was held in Hershey, Pennsylvania, USA, the week of October 23. The attendance was the largest in recent memory for both organizations, and a good synergy developed between them as the week went on. A large number of ECCMA members made valuable contributions to the ISO meetings and many of the ISO delegates contributed to the ECCMA workshops. It was indeed a unique week. It is clear that the two groups have a compelling common interest in the development and promotion of ISO Standards 22745 and 8000. Among other things, good progress was made toward finishing up the details of 22745, and the first Working Group meeting for 8000 occurred.

eOTD Training Programs

In November, Peter Benson, the executive director of ECCMA, and I, conducted eOTD training courses in Dubai, United Arab Emirates, and Pretoria, South Africa. The training is a two and a half day course for cataloging project managers and

covers a combination of theoretical and practical sessions aimed at providing a basic understanding of eOTD implementation strategies designed to improve the quality of material and service masters. The course covers the cost and benefits of improving data quality as well as developing and managing cataloging projects. Students included both industry and government representatives. Two of these courses are planned for Melbourne and Perth Australia in February 2007.

Smart STEP Codification Phase II (SSC2)

Since the last issue of the newsletter, AC/135 has launched the next phase of the SSC program. The goals of SSC2 will be to apply the principles of eOTD to a real weapons systems for which codification data is required. The system is the Patria Armored Modularized Vehicle manufactured in Finland and used by a number of countries. Poland is buying a new configuration of the Patria AMV involving about a thousand new parts, and those new items will be the focus of the project. The eOTD team will apply a number of methods to obtain codification data, including importing the data from design engineering files and mining Enterprise Resource Planning (ERP) and Product Data Management (PDM) systems. The NCBs of Slovenia, South Africa, and elsewhere may also be involved. Another part of SSC2 will focus on working with cataloging applications like ESG's N-CORE and NCB Australia's CENCAT3 to test their ability to import eOTD data and use it as part of NSN item descriptions.

The eOTD team is excited about how the project is going and is expecting a big year in 2007.

For more information: If you would like more information about eOTD or would like to review the presentations from the Hershey meetings, go to www.eccma.org.



Richard Maison Retires

Contributed by Woodrow Haroff, DLIS, U.S. National Codification Bureau



Richard Maison has retired after more than 30 years of Government service. Rick Maison began his Federal career in 1976 at the Air Force Cataloging and Standardization Center (CASC) as a supply cataloger. After serving a number of years at CASC, including some in management, he moved to the Defense Logistics Information Service (DLIS) in 1991 as Chief of the International Codification Division. During his tenure, he led the development of an automated data entry system for NATO codification that resulted in significant improvements in productivity that was awarded Vice-President Gore's Hammer Award. He served as U.S. representative to NATO AC/135 Panel A and was elected as its Chairman in 1994 and re-elected in 1996. He also organized and led the successful 8th NATO Symposium on Codification in May, 1997 in San Diego. It was the first ever held in the United States and brought in 450 attendees from over 40 countries around the world.

Rick became the Deputy of DLIS

in 1999. In this position, he served as the organization's Executive Director and U.S. representative on the AC/135 Group of National Directors of Codification.

In November 2003, Mr. Maison was elected Chairman of AC/135. Under his direction, the NATO Codification System (NCS) experienced unprecedented growth in participation and now extends to 26 NATO countries and sponsored nations around the globe. With the expansion of the NCS came a demand for training the various aspects of national and international logistics data management operations. In response to these requirements, DLIS stood up the first National Codification Bureau College in 2000 to support foreign logisticians in the establishment of an NCB. Also under his leadership, DLIS and AC/135 have developed the ECCMA Open Technical Dictionary (eOTD) that has been adopted as the standard for naming and describing items by the International Organization for Standardization (ISO) through ISO Standard.

Rick received a great sendoff from his staff at DLIS and many others at a celebration and farewell that occurred at DLIS on December 1. As well, he received a memorable farewell from his AC/135 colleagues at his last Main Group meeting in Sofia, Bulgaria, in November. We in PACS will miss Rick also, and we thank him for his many years of service to our group.

PACS IX

Vancouver, British Columbia, Canada



Contributed by Jack Lemore & Micheline Fleming, Canadian National Codification Bureau

This year, for the first time, Canada will host the annual PACS Forum. The meeting will be held from the 12th to the 14th of June 2007, in Vancouver, British Columbia. Vancouver was chosen as the location because of its relatively central location for many of the delegates and its ideal

picture-postcard setting. The site that has been selected is the Executive Hotel Vintage Park in the heart of downtown Vancouver's business & entertainment district, only 15

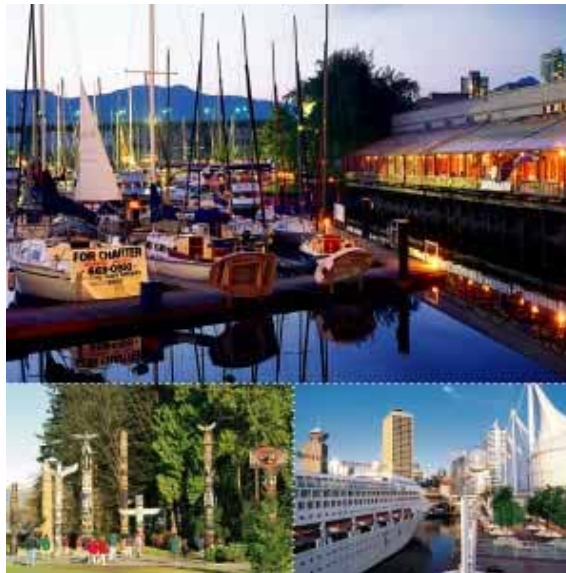
minutes from Vancouver International Airport. The hotel is close to many spectacular tourist sites such as Stanley Park, Granville Island, BC Place Stadium, as well as a variety of beaches, galleries and shopping. Additional information may be found at the hotel website:

<http://www.executivehotels.net> Due to the start of the high tourist season, the accommodation

rate that we were able to negotiate is \$199 CAN (plus 16% taxes) per night for attendees and guests. A limited number of rooms may also be available before and after the conference at this rate for anyone wishing to enjoy the beaches, and sightseeing on their own. The hotel is presently

holding a block of rooms, so everyone is encouraged to make their reservations as soon as possible. The Executive Hotel Reservation Form, Registration Form

for Attendees, and Supplementary Information including Customs and Visa Requirements are included in this Newsletter. At this time, you are asked to send an email to NCB Canada, attention Mr. Jack Lemore, at lemore.jf@forces.gc.ca, indicating a tentative "yes" or "no" on whether you plan to attend. More details regarding the PACS Forum will be coming out in the new-year.





From the Chairman

Dear PACS Colleagues,

As we come to the end of another eventful year, it is time again to take stock of our achievements throughout 2006.

In March there was the very successful PACS VIII in Hawaii. Our American hosts put on a great event and we saw considerable progress made on a number of initiatives. As you can see elsewhere in this issue, PACS IX is now confirmed for Vancouver, Canada in June next year, and I look forward to seeing the biggest possible attendance from member countries. Please start making your plans now, so that there is not a last minute rush.

Through the year we have continued to see the NATO Codification System grow around the world. It has an increasing profile in the international standardisation community, with much progress being made at the ISO level. The impact of the NCS on Industry is also expanding, through ECCMA and the eOTD. While all of these initiatives will take time to come to fruition, they are building up a considerable momentum and NCBs throughout PACS are likely to see significant changes over the next couple of years.

It is also noteworthy that the Republic of Korea have achieved Tier Two Sponsorship. There are now a total of thirteen PACS nations that are officially participating in the NCS, which is a major achievement for our community.

As always, there are also some arrivals and departures amongst our delegates. I would like to take the opportunity to formally thank the departing DLIS Executive Director, Mr Richard Maison. Over the years Rick has been a stalwart supporter of PACS, right from its very inception through to today. I sure that we will all miss him greatly, both in his official roles with DLIS and AC/135, and as a valued friend and colleague. I know that you will join me in wishing him and his family all the best for the future.



And so we look forward to the challenge of 2007, and all that it will bring. Have a safe and happy festive season, wherever you are around the Pacific.

Stephen Worth
 Team Leader Systems and International Coordination
 New Zealand National Codification Bureau
 Joint Logistics and Support Organisation
 New Zealand Defence Force

PACS Chairman

Pacific Area Cataloguing Seminar IX

Vancouver, British Columbia, Canada

12 – 14 June 2007



Executive Hotel Vintage Park



REGISTRATION FORM FOR ATTENDEES

To assist us in the preparation of the PACS IX, **please complete this registration form and fax / e-mail to: J.F.(Jack) Lemore before 30 April 2007** at fax number (819) 994-9398 or e-mail: lemore.jf@forces.gc.ca

Attendee Information:

Note: This form is for attendees and their spouse/guests. Please type or print clearly

Title: _____

Name: _____
(Family Name) (First Name) (Middle Name)

Job Title: _____ Passport No: _____

Phone : _____ Fax: _____

E-Mail: _____

Street: _____ City: _____

State: _____ Postal/Zip Code: _____

Country: _____

Name to appear on Name Tag: _____

If you have any special dietary needs or requirements (for example, dietary restrictions) that you would like us to take into consideration, please advise us:

Dietary Needs: _____

Special requirements: _____

Accompanying Persons:

Please indicate the number and details of any spouse / guest(s) accompanying you.

Number of people: _____

Spouses Name: _____

Guest Name: _____

Transport:

Self transport from Vancouver International Airport to hotel. Vancouver Airporter buses run every 15 minutes from 6:30 am until 12:10 am. One-way bus service departs most major downtown hotels every 30 minutes; fare approximately \$12, round trip \$18; phone (604) 946-8866 or (800) 668-3141. Buses depart from the airport's two Arrival levels. Taxi service ranges from \$20 - \$30 one-way. It takes about 20-25 minutes to get from the airport to the city center (about an 8-mile trip).

Flight Details:

Please provide us your flight numbers for both arrival and departure at Vancouver International Airport.

Flight Arrival Date: _____ Flight Arrival Time: _____

Flight Number: _____

Flight Departure Date: _____ Flight Departure Time: _____

Flight Number: _____

Accommodation:

The PACS IX will be held at the [Executive Hotel Vintage Park](#), 1379 Howe Street, Vancouver, British Columbia, Canada, V6Z 2R5. Telephone: (604) 688-7678. Toll Free: 1-800-570-3932. Fax: (604) 688-7679.

Arrangements have been made for participant's to reserve accommodation in the same hotel at a rate of \$199 (plus 16% taxes). A limited number of rooms may also be available at this rate for those wishing to spend additional time in Vancouver either prior to or after the PACS meeting.

Please complete the attached hotel reservation form and fax or e-mail it directly to the hotel as soon as possible, so that bookings can be confirmed.

Note: A "no host" meet & greet reception will be held at the hotel on 11 June, 6pm – 8pm, so please take this into consideration in making your bookings.

Pacific Area Cataloguing Seminar IX

Vancouver, British Columbia, Canada

12-14 JUNE 2007



SUPPLEMENTARY INFORMATION

To assist you with your plans and preparation for the PACS IX, the following supplementary information is provided for your use. Should you have any questions, please contact J.F. (Jack) Lemore at e-mail:

lemore.jf@forces.gc.ca

Visa Requirements:

"Citizenship and immigration Canada" provides information about entering Canada and visa requirements. Please check the following web site: <http://www.cic.gc.ca/english/visit/>

Customs Information:

The website for general customs information is:

<http://www.cra-adrc.gc.ca> and <http://www.cra-arc.gc.ca/tax/nonresidents/visitors/menu-e.html>

General Information About Vancouver:

Jagged mountain peaks, sandy beaches, and beautiful clear blue water surround the best part of British Columbia - Vancouver. Mountains, forests, and oceans are the very elements that make Vancouver one of the most beautiful cities in the world.

A rich ethnic mix of cultures has provided Vancouver with incredible diverse restaurants and shopping areas. Languages spoken are English, Chinese (the second-most-common language), French, Punjabi, German, Italian, Tagalog (Filipino), Vietnamese, and Spanish.

There is an abundance of parks in Greater Vancouver - two forest reserves within city boundaries, Stanley Park and Pacific Spirit Regional Park. There isn't a form of entertainment that cannot be found: arts, theatre, music, and professional sports. You are going to love visiting Vancouver, and you are going to want to stay!

For further on-site information, you may use the following links:

- **City of Vancouver:** <http://www.vancouver.ca/visitors.htm>
- **Tourism Vancouver:** <http://www.tourismvancouver.com>
- **Public Transportation:** <http://www.bctransit.com>
- **Boat Cruises:** <http://www.boatcruises.com>
- **Sightseeing:** <http://www.vancouverstour.com>
- **Currency Converter:** <http://www.xe.com/ucc>



EXECUTIVE HOTEL VINTAGE PARK

1379 Howe Street

Vancouver, B.C. V6Z 2R5

Toll Free: 1-800-570-EXEC(3932) / Website: <http://www.executivehotels.net>

Other Enquiries: (604) 688-7678 Fax: (604) 688-7679

**PACIFIC AREA CATALOGUING SEMINAR
June 12 – 14, 2007**

Hotel Reservation Form

GUEST INFORMATION

First Name: _____ Last Name: _____
Address: _____ City: _____ Postal Code: _____
Phone: _____ Fax: _____ E-Mail: _____
Sharing Room with: _____
Arrival Date: _____ Time: _____
Departure Date: _____ Time: _____

- Check in time is 3:00pm – Check out time is 12:00pm

ROOM TYPE REQUEST

Deluxe room, \$199.00 + 16% tax

OCCUPANCY

of people: _____ (Adults)
Single (1 pers; 1 bed) - Double (2 pers; 1 bed) - Double/Double (2 pers; 2 bed) - Triple (3 pers; 2 bed)

SPECIAL REQUEST

Smoking: _____ Non-smoking: _____ Other: _____

PAYMENT INFORMATION

CREDIT CARD TYPE: AMEX VISA MC DINERS JCB DISCOVER
CREDIT CARD NUMBER: _____ EXPIRATION DATE: _____
NAME ON THE CARD: _____ SIGNATURE: _____

CUT-OFF DATE

All reservation requests must be received by Friday, March 30, 2007, to receive the group rate. Reservations made after cut-off date will be subject to prevailing hotel rates. Please email, fax, or phone the Executive Hotel Vintage Park soonest to reserve your room.