


Image Cover Sheet

CLASSIFICATION UNCLASSIFIED	SYSTEM NUMBER 149592 
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TITLE
CBDIC PROJECT BACKGROUND

System Number:
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Requester:

Notes:

DSIS Use only:
Deliver to: DK

#149592

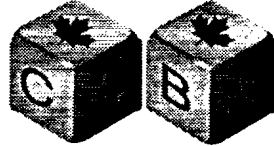
Annex D

11 pages in total



National Defence
Research and
Development Branch

Défense Nationale
Bureau de Recherche
et Développement



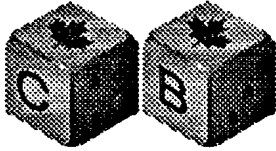
**Establishment of a Chemical & Biological
Defence Industrial Center of Expertise
“***CBDICE***”**

[DPAS 0519R]

*Project Director: Jack Pagotto DRDHP-6
Directorate for Research & Development,
Human Performance*

AUG '94

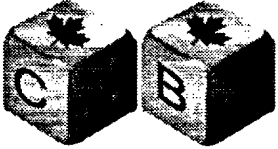
Canada[!]



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BACKGROUND

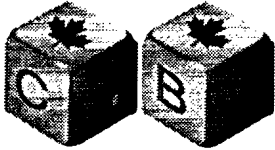
- **CONSOLIDATION OF CB DEFENCE PROGRAM AT DRES**
- **INDUSTRY EXPRESSED CONCERNS TO THE MINISTER**
- **DND COMMITMENT TO PROVIDE COMPANIES REQUIRING CB AGENT TESTING, WITH ACCESS TO FACILITIES AT DRES**
- **POLICY FOR ACCESS TO CRAD FACILITIES - CONTRACTORS WORKING ON-SITE**
- **CHEMICAL WARFARE CONVENTION RESTRICTIONS**
- **“STRATEGIC ALLIANCES” INITIATIVES**
- **DND/CB INDUSTRIES WORKSHOP AUGUST 25, 1993 OTTAWA.**



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AIM OF PROJECT 0519R:

- “DEVELOPMENT OF A:
 - government-owned,
 - company-operated facility,
 - for development, test, evaluation, and quality assurance of CB defensive materiel
 - by Canadian Industry.”
- PROVIDE FORUM FOR CANADIAN NBC DEFENCE INDUSTRY TO FORM PARTNERSHIPS/ALLIANCES.
- MAINTAIN COMMITMENT TO PROVIDE INDUSTRY WITH ACCESS TO CB AGENT TESTING FACILITIES
- “KICK-START” WHAT WILL BECOME A CANADIAN INDUSTRY OPERATED ENTERPRISE.

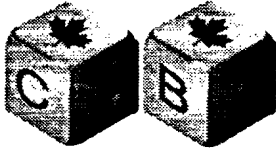


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PROJECTED ACTIVITIES

- **FRONT END ANALYSIS** **[8/ 94]**
 - survey industry, DND, OGD.
 - define facility requirements
 - propose CBDICE lab layouts
 - propose *modus operandi*

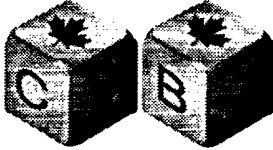
- **PLAN CBDICE START-UP** **[9/94]**
 - analyze recommendations from front end analysis and Aug. '94 CBDICE Workshop.
 - DND approval of concept & Bldg modifications



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PROJECTED ACTIVITIES (cont.)

- **“CBDICE PHASE I” (proposed)**
 - AWARD CONTRACT [10/94]
 - SETUP 3 TEST LABS IN BLDG 57
 - » permeation, desorption, decontaminatability testing (CB hardening tests).
 - » terminal velocity drop tower
 - » chemical detector testing
 - » filter cartridge testing
 - DEVELOP CBDICE “*OPERATIONS PLAN*” [3/95]
 - LICENSE INDUSTRY TO OPERATE CBDICE [8/95]

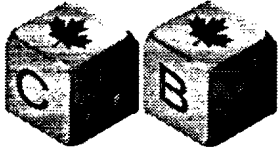


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PROJECTED ACTIVITIES (cont.)

- **“CBDICE PHASE II, III, IV, ETC” (not-funded)**
 - NOT PART OF DPAS 0519R
 - FUNDING FROM PHASE I FACILITY (?)
 - FUNDING FROM OTHER SOURCES (INDUSTRY, WESTERN DIVERSIFICATION, INDUSTRY CANADA, ETC ?)

CANADIAN INDUSTRY INITIATIVES MUST DRIVE ANY FURTHER EXPANSION OF CBDICE

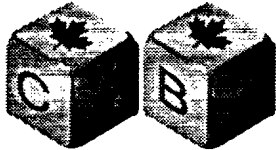


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PROJECTED ACTIVITIES (cont.)

- **“CBDICE DIVERSIFICATION”**
 - ADSORBENT IMPREGNATION AND SCALE-UP LABORATORY
 - BIOLOGICAL AGENTS TESTING FACILITY
 - AEROSOL TESTING (1. FABRICS, 2. COMPLETE SYSTEMS) FACILITY
 - RESPIRATOR FIT-TESTING FACILITY
 - COLD/HOT CHAMBER TEST FACILITY
 - FIELD TRIAL FACILITY
 - TRAINING FACILITY
 - OTHERS ...?

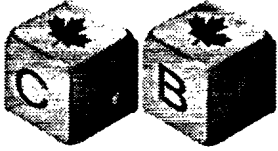
***CANADIAN INDUSTRY INITIATIVES
MUST DRIVE ANY FURTHER
EXPANSION OF CBDICE***



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INDUSTRY Perspective of CBDICE & Doing Business with DND

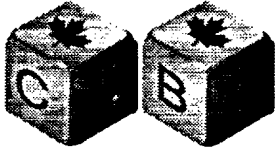
- CONCERNS WITH CBDICE PROPOSAL?
- SUGGESTIONS FOR IMPROVEMENT?
- INDICATION OF INTENT TO USE CBDICE?
- PROBLEMS DEALING WITH CRAD IN THE PAST?
- RECOMMENDATIONS FOR IMPROVING HOW WE CONTRACT OUT R&D



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DND Perspective of CBDICE

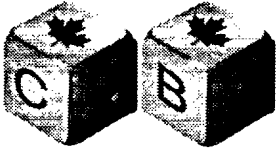
- MUST NOT DEPEND ON DND FUNDING ALONE (LONG TERM)
- MUST BE INDUSTRY-DRIVEN
- EQUAL ACCESS
- CF OP. REQUIREMENTS TAKE PRIORITY
- DRES ACCESS TO FACILITIES
- ISO9000 STANDARDS



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DND/CB INDUSTRY CBDICE PARTNERSHIP

- PHASE I CBDICE SATISFIES DND OBLIGATIONS
- INDUSTRY MUST DRIVE FURTHER EXPANSION OF CBDICE
- DND CAN HELP “MARKET” CBDICE TO FOREIGN MARKETS
 - TESTS WILL BE “DND CERTIFIED”
 - KNOWLEDGE OF LATEST TRIPTYCH REQUIREMENTS
 - KNOWLEDGE OF POTENTIAL CUSTOMERS
- CBDICE TEST SERVICES WILL HELP CB DEFENCE PROGRAM
- INTEREST IN FORMING AN ASSOCIATION OF CB DEFENCE INDUSTRIES?



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CRAD CONTRACTING PRACTICES

- NORVEN Report
 - CRAD relations with industrial stakeholders
 - what changes are req'd to foster mutually beneficial partnerships with DND?
- WE NEED STRATEGIC APPROACH TO AWARDING R&D CONTRACTS
- AVOID “R&D SERVICE BUREAUS” OR “BODY SHOPS”
- COMPANY MUST DEMONSTRATE “ABILITY TO EXPLOIT THE TECHNOLOGY” AND FOSTER CANADIAN INTERNATIONAL COMPETITIVENES.

