


# Image Cover Sheet

<b>CLASSIFICATION</b>  UNCLASSIFIED	<b>SYSTEM NUMBER</b> 149587 
---	--

**TITLE**  
BIOLOGICAL AGENT DETECTOR

**System Number:**  
**Patron Number:**  
**Requester:**

**Notes:**

**DSIS Use only:**  
**Deliver to:** DK



#149587

**Annex H**

6 pages in total



**National Defence**  
Research and  
Development Branch

**Défense Nationale**  
Bureau de Recherche  
et Développement

# Biological Agent Detector

by

**Dr. L.A. White**

**17 Aug 94**

**Directorate  
Research and  
Development  
Human  
Performance**

**Direction-  
Recherche et  
développement  
Performances  
Humaines**

**Canada<sup>!</sup>**

# **INTEGRATED BIOLOGICAL DETECTOR**

- **Tri-National (CA/UK/US) Development**
- **Fielding about Yr 2000**
- **US Congressional Priority**
- **Opportunity for International Sales**

## **CANADIAN IBDS (I)**

- **Started from DRES Tech Base**
- **Joint Development Started in 1990**
- **Chemical & Biological Agent Detectors Fielded During Gulf War (1991)**
- **Work to Date has been Conducted Thru' DRES Tech Base & Minor Development Funds**
- **Canadian Prototype was Best Performer in 1993 Field Trials**

## **CANADIAN IBDS (II)**

### **■ Project Moving to Major Development Status**

- FY 95/96 - FY 99/00**
- Approx \$8M**

### **■ Procurement in 2001 - 2003**

- In the DSP, Now**
- Approx \$24M**



**CIBDS**

## **THE CHALLENGE**

- **Systems Integration**
- **Components Based on Both Physical & Biochemical Principles**
- **Software Development**
  - **Detection Logic**
  - **Declaration of Alarm**
- **Integrated to Communications Systems**
  - **Both National (Joint) & Coalition (Combined)**

## **Contracting Strategy**

- **Development will be Done by Prime Contractor with Proven Systems Integration/Production/Marketing Record**
- **Announce this Forthcoming Development on the PWGSC "On-Line" Service**
- **1 Apr 95 - Select Two Potential Primes**
- **Work with DRES Scientists/Engineers for approx 6 Months**
- **Solicit Bids from these Two Potential Primes for XDM Development**