



ENVIRONMENTAL ASPECTS OF MILITARY EQUIPMENT LIFE CYCLE

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OUTLINE



- **PREVIOUS SYSTEM**
- **SMART PROCUREMENT**
- **ACQUISITION MANAGEMENT SYSTEM**
- **CONCLUSIONS**

PREVIOUS SYSTEM



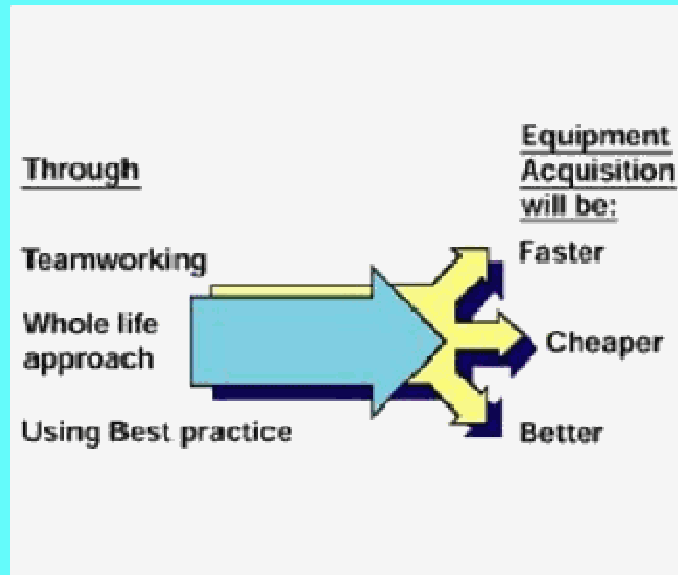
- **SINGLE PROJECT TEAMS**
- **CDPI TECH 300 CENTRAL
GUIDANCE ON USE OF HAZARDOUS
MATERIALS**

GUIDANCE DOCUMENTS



- **ENVIRONMENTAL
CONSIDERATIONS IN THE SYSTEMS
ACQUISITION PROCESS -
SWEDEN/US (DENIX WEB SITE)**
- **NATO LTSS/44 STUDY ON
POLLUTION PREVENTION**

SMART PROCUREMENT



AIM OF SMART PROCUREMENT



- **TO ENHANCE DEFENCE CAPABILITY BY ACQUIRING AND SUPPORTING EQUIPMENT MORE EFFECTIVELY IN TERMS OF TIME, COST AND PERFORMANCE.**

SMART PROCUREMENT OBJECTIVES



- **DELIVER PROJECTS WITHIN THE PERFORMANCE, TIME AND COST PARAMETERS APPROVED AT THE TIME THE MAJOR INVESTMENT DECISION IS TAKEN**

SMART PROCUREMENT KEY FEATURES



- **A WHOLE-LIFE APPROACH, EMBODIED IN A SINGLE INTEGRATED PROJECT TEAM (IPT) BRINGING TOGETHER THE MAIN STAKEHOLDERS**
- **CLEARLY IDENTIFIED CUSTOMERS FOR THE IPT. A CENTRAL CUSTOMER WITHIN MOD HEADQUARTERS, ORGANISED AROUND CAPABILITIES, ACTING AS CUSTOMER FOR THE IPT FOR ALL PROCUREMENT PHASES OF THE PROJECT LIFE-CYCLE.**

SMART PROCUREMENT KEY FEATURES



- **GREATER WILLINGNESS TO IDENTIFY, EVALUATE, IMPLEMENT EFFECTIVE TRADE-OFFS BETWEEN SYSTEM PERFORMANCE, WHOLE-LIFE COSTS AND TIME**
- **BETTER, MORE OPEN, RELATIONSHIP WITH INDUSTRY, BASED ON PARTNERING AND THE IDENTIFICATION OF COMMON GOALS INCLUDING GAIN-SHARE OPPORTUNITIES, UNDERPINNED BY COMPETITIVE CONTRACTOR SELECTION WHENEVER THIS PROVIDES BEST VALUE FOR MONEY**

SMART PROCUREMENT KEY FEATURES



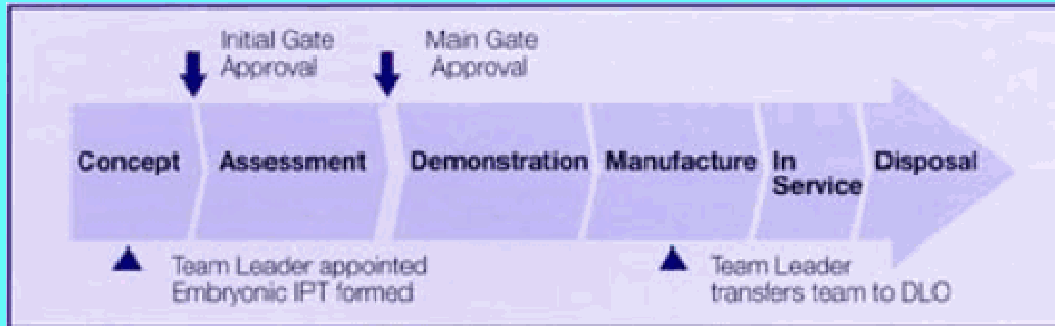
- **NEW PROCUREMENT APPROACHES, INCLUDING INCREMENTAL ACQUISITION**
- **SHARPER PROCUREMENT TIME SCALES, WITH A SIMPLER, STREAMLINED PROCESS FOR PROJECT APPROVALS**
- **MORE INVESTMENT DURING EARLY PROJECT PHASES, SO THAT RISK IS REDUCED BEFORE BINDING PERFORMANCE, COST AND TIME PARAMETERS ARE SET**

ASSOCIATE IPT MEMBERS



- CUSTOMER SCIENTIFIC STAFF
- OPERATIONAL ANALYSIS
- CUSTOMER RESEARCH MANAGERS
- SPECIALIST PROCUREMENT SERVICES
- SPECIALIST SERVICE SUPPORT AREAS (E.G. PUBLICATIONS, TRANSPORT)
- *SAFETY SPECIALISTS, SUCH AS THE ORDNANCE BOARD OR THE CHIEF INSPECTOR OF NAVAL ORDNANCE*

NEW ACQUISITION CYCLE



ENVIRONMENTAL ASPECTS & PROCUREMENT CYCLE



- **CONCEPT**
 - **REPLACE OLD EQUIPMENT DUE TO ENV CONCERNS**
 - **COMPLY WITH MOD**
- **STAFF REQUIREMENT**
 - **CONSIDER NATURAL ENV EQUIPMENT OPERATES IN AND EFFECTS OF USE ON THE ENV**

ENVIRONMENTAL ASPECTS & PROCUREMENT CYCLE



- **PROJECT
DEFINITION/PRODUCTION**
 - **COMPLY WITH CURRENT/EMERGING
ENV LEGISLATION**
- **IN-SERVICE**
 - **EQUIPMENT SUPPORT MANAGER
RESPONSIBLE FOR ENV IMPACT OF
EQUIPMENT IN SERVICE**

ENVIRONMENTAL ASPECTS & PROCUREMENT CYCLE



- **DISPOSAL**
 - DISPOSAL WITHIN ENV LEGILSATION

ENVIRONMENTAL MANAGEMENT PLAN



- **WHERE EQUIPMENT LIKELY TO HAVE ADVERSE ENV IMPACT**
 - **ENV MANAGEMENT PLAN REQUIRED TO SHOW HOW ADVERSE ENV IMPACT THROUGHOUT LIFE CYCLE WILL BE MINIMISED**

ACQUISITION MANAGEMENT SYSTEM



KEY AMS FEATURES



- **IT IS DESIGNED TO BE USED BY ALL INVOLVED IN DEFENCE ACQUISITION**
- **IT INCLUDES SIMPLE ROUTE MAPS EXPLAINING THE NEW BUSINESS PROCESSES**
- **IT IS USER FRIENDLY, WITH AN INTELLIGENT SEARCH FACILITY**
- **IT SUPPORTS DIFFERENT WAYS OF GETTING TO WHAT THE USER NEEDS**
- **IT PROVIDES LINKS TO A WIDE RANGE OF EXTERNAL INSTRUCTIONS AND GUIDANCE**
- **IT IS ALWAYS UP TO DATE.**

AMS - MANAGING ENVIRONMENTAL ASPECTS



- **NON-COMPLIANCE WITH LEGISLATION**
- **ENVIRONMENTAL IMPACT STATEMENT**
- **MONTREAL PROTOCOL POLICY**
- **CADMIUM POLICY**
- **RADIOACTIVE SUBSTANCES**

AMS - MANAGING ENVIRONMENTAL ASPECTS



- **ENVIRONMENTAL MANAGEMENT SYSTEMS**
- **PAINTING/COATING**
- **CLEANING**
- **PACKAGING**
- **RECYCLING**
- **TROPICAL TIMBER**

ENVIRONMENTAL MANAGEMENT SYSTEMS



- **SUPPLIERS CAN DEMONSTRATE THEIR ENV CREDENTIALS VIA ADOPTING ISO 14001**
 - **CURRENTLY MOD DOES NOT MANDATE EMS FOR DEFENCE CONTRACTORS**

CONCLUSIONS



- **SMART PROCUREMENT ENABLES ENV CONCERNS TO BE INTEGRATED INTO LIFE CYCLE**
- **SPECIFIC GUIDANCE IS PROVIDED**
- **CONSISTENT WITH EMS APPROACH**