

	National Defence Défense Nationale		Back to the DID List
DATA ITEM DESCRIPTION - DESCRIPTION DE DONNÉES			
1. TITLE – TITRE		2. IDENTIFICATION NUMBER - NUMÉRO D'IDENTIFICATION	
LIFE CYCLE MANAGEMENT PLAN		DID 1.148	
3. DESCRIPTION / PURPOSE – DESCRIPTION / OBJET			
The purpose of the Life Cycle Management Plan is to provide a systematic framework for NWSO to define configuration management, performance verification and system requirements to meet mission goals and equipment life as defined in this SOW. The plan involves the prediction of future performance of an asset or a group of assets, based on scenarios and maintenance strategies.			
4. APPROVAL DATE DATE D'APPROBATION	5. OFFICE OF PRIMARY INTEREST (OPI) BUREAU DE PREMIERE RESPONSABILITÉ (BPR)	6. GIDEP APPLICABLE D'ÉCHANGE DE DONNÉES PERTINENT	
July 2020	NWSO Technical Authority (TA)	N/A	
7. APPLICATION / INTERRELATIONSHIP – APPLICATION / INTERDÉPENDANCE			
CDRL-1.148 and SOW paragraph 1.148 refer. This DID contains the format and content preparation instructions for the data generated under the work tasks described in the NWS O&M SOW.			
8. ORIGINATOR - AUTEUR		9. APPLICABLE FORMS - FORMULES PERTINENTES	
NWSO TA		NIL	
10. PREPARATION INSTRUCTIONS – INSTRUCTIONS SUR LA PRÉSENTATION DES DONNÉES			
<div> <div>10.1</div> <div> <u>Source Document</u> NWS O&M SOW Section 1, paragraph 1.148 </div> </div> <div> <div>10.2</div> <div> <u>Content and Format</u> <div>10.2.1</div> <div> The Contractor shall prepare, implement and administer a Life Cycle Management Plan. The plan shall be delivered nine months after contract award. </div> <div>10.2.2</div> <div> The Life Cycle Management Plan shall detail and employ a comprehensive Life Cycle Material Management (LCMM) and Life Cycle Facilities Management (LCFM) programs with the goal of maximizing the life cycle of the North Warning installed equipment and facilities while meeting or exceeding mission requirements. <div>a. <u>Qualifications</u></div> <div> <div>(1)</div> <div> Ensure qualifications and training requirements of all personnel are equivalent with the requirements set out in this Statement Of Work (SOW); </div> <div>(2)</div> <div> Establish and administer a Preventive Maintenance Plan (PMP) including maintenance routines for NWS installed equipment and systems, and for buildings and other real property assets, ensuring all program requirements meet standards provided in this SOW; </div> <div>(3)</div> <div> Manage sparing for NWS installed equipment and systems, and for buildings and other real property assets to ensure mission requirements as defined in this SOW are met or exceeded; </div> <div>(4)</div> <div> Ensure regulatory compliance of NWS installed equipment and systems, and for buildings and other real property assets; </div> <div>(5)</div> <div> Ensure the currency of all technical documentation, including drawings; </div> </div> </div> </div> </div>			

- (6) Maintain configuration control of NWS installed equipment and systems and record drawings of buildings and other real property assets;
- (7) Conduct root cause failure analysis of failed equipment and systems;
- (8) The identification of quality deficiencies in the performance of a particular system or component of a system;
- (9) Perform trend analysis;
- (10) Initiate Unsatisfactory Condition Reports (UCRs);
- (11) Prepare Business Case Option Analysis (BOCA) for approved UCRs;
- (12) Prepare decommissioning and disposal plans for obsolete equipment and systems and deconstruction of buildings and other real property assets; and
- (13) Prepare Document Change Notices (DCN).

b. LCMM and LCF services

LCMM services shall be provided for the following:

- (1) Satellite Ground Terminals (SGT) radomes;
- (2) Ground/Air/Ground (G/A/G) radio Ultra High Frequency (UHF), Very High Frequency (VHF) and ancillary equipment;
- (3) Private Branch Exchange (PBX) systems , including Public Announcement (PA) system;
- (4) Long Haul Communications Network (LHCN);
- (5) Security And Video Monitoring Network (SAVMN);
- (6) Mobile Support Equipment (MSE);
- (7) All Information Technologies (IT) equipment;
- (8) Monitoring Systems Remote Interface Communications Controller (RICC), Remote Terminal Unit (RTU), Control and Monitoring System (CMS), Programmable Logic Controller (PLC) and Supervisory Control and Data Acquisition (SCADA);
- (9) AN/FPS-117 and AN/FPS-124 Radar systems;
- (10) Automated Weather Observation System (AWOS);
- (11) Automated Test Equipment (ATE);
- (12) Radar Towers;
- (13) Buildings and structures;
- (14) Heating, Ventilation and Air Conditioning (HVAC) systems;
- (15) Power Generation Systems (PGS);
- (16) Electrical Systems;
- (17) Bulk fuel storage and handling systems;
- (18) Potable water systems;
- (19) Waste water systems;
- (20) Fire systems; and
- (21) Grounding and lightning protection.

d. The Contractor shall employ Subject Matter Experts (SMEs) to work with the United States (US) LCMMs and Canadian Technical Authority (TAs) on the following equipment

- (1) AN/FPS-117, AN/FPS-124 radar systems including radomes for both and the Ground/Air/Ground (GAG) radios.
- (2) Automated Weather Observation System (AWOS) in conjunction with the Canadian TA; and
- (3) Automated Test Equipment (ATE).

10.2.3 The Contractor shall have overall authority for managing all phases of material and facility life cycles including conception, acquisition, in service support and disposal and shall also have responsibility for managing NWS configured items as defined in this Statement of Work (SOW).

10.2.4 The LCMM and LCFM plan shall be in a format proposed by the contractor and as accepted by the Crown/ NWSO TA. The plan shall be reviewed at a minimum annually or more frequent if warranted. The NWSO TA reserves the right to have the Contractor amend the format and contents of the plan at any time. Any and all changes to the plan shall be completed within 15 business days and the plan shall be available online.