

	National Defence Défense Nationale		Back to the DID List
DATA ITEM DESCRIPTION - DESCRIPTION DE DONNÉES			
1. TITLE – TITRE		2. IDENTIFICATION NUMBER - NUMÉRO D'IDENTIFICATION	
AVAILABILITY REPORTS		DID 4.64.2.1	
3. DESCRIPTION / PURPOSE – DESCRIPTION / OBJET			
The purpose of the Frequency Management Plan is to establish guidelines for the management of the North Warning System (NWS) frequency spectrum. The radio spectrum includes all Radar, Radio, Long Haul Communications Network (LHCN) and Ground-Air-Ground Radio (GAG) operational frequencies. The spectrum is managed under the policy and procedures stated the National Defence publication “Management of the Radio Spectrum (DNDP 35). This document provides a system level view of the Radio Frequency (RF) Plan developed for the NWS Radar and Communications System. It considers the Radar and Radio equipment required and topics pertinent to the detailed frequency plans and allocations. The frequency range covered is 1190KHz to 6.425 GHz.			
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			
<p>CDRL 4.64.2.1 and SOW paragraph 4.64.2.1 refer.</p> <p>This DID contains the format and content preparation instructions for the data generated under the work tasks described in the NWS O&M SOW.</p>			
8. ORIGINATOR - AUTEUR		9. APPLICABLE FORMS - FORMULES PERTINENTES	
NWSO TA		NIL	
10. PREPARATION INSTRUCTIONS – INSTRUCTIONS SUR LA PRÉSENTATION DES DONNÉES			
<p>10.1 <u>Source Document</u> NWS O&M SOW Section 4, paragraph 4.64.2.1.</p> <p>10.2 <u>Content and Format</u></p> <p>10.2.1 The Frequency Manage Plan shall be prepared and available on-line in Contractor format, 3 MACA.</p> <p>10.2.2 Changes to the plan shall be reviewed and approved by the NWSO TA and all changes shall be available online NLT 10 working days after approval.</p> <p>10.2.3 The Frequency Management Plan shall include: All the NWS communications system consisting of the following functional areas:</p> <ul style="list-style-type: none"> a. Long Haul Communications Network (LHCN); b. North Warning System (NWS) LRR and LRR/LSS Site On Site Communications; c. Short Range Radar Development (SRD) Site On Site Communications; d. Short Range Radar (SRR) On Site Communications; e. LSS/LT On Site Communications; and f. North Warning System Control Centre and Heavy Terminal all Radar, Radio, LHCN and GA operational frequencies. <p>10.2.4 The spectrum is managed under the policy and procedures stated in the National Defence publication “Management of the</p>			

R	Radio Spectrum (DND35)". NWS radar, radio, satellite and RF equipment.
10.2.5	<p>The following categories of information shall be covered for each radio equipment:</p> <ul style="list-style-type: none"> a. Characteristics of the radio equipment to be used –including the antenna; b. Characteristics of radio propagation in the band of interest; c. Other users of the band of interest within some distance range; d. Proximity of the desired sites to each other; e. Interaction of the radio equipment within a site; and f. Licensing requirements for each emitter.
10.2.6	<p>The Frequency Management Plan shall include frequency assignments of all RF emitters. The frequency spectrum is divided into multiple user bands on typical propagation characteristics. The NWS radar and communications use differing bands based on equipment application, industry standard design and signal propagation.</p>