## ENVIRONMENTAL QUALIFICATION FORM

NOMENCLATURE: _	NAVIGATION	ANTENNA					
TYPE/MODEL/PAR	RT NO.:	AV-12	TSO NO.:	C40c			
MANUFACTURER'S	SPECIFICATION	AND/OR OT	THER APPLICABLE	SPECIFICATION:_	AV-12		
PRODUCT DRAWING PACKAGE AND ELECTRICAL TEST SPECIFICATION 34-162							
MANUFACTURER:	R.A. MILLE	ER INDUSTRIE	S, INC.				
ADDRESS:	14500 168TH A	VENUE GRAN	ND HAVEN, MI 4941	7	<u>-</u>		

CONDITIONS	SECTION	DESCRIPTION OF CONDUCTED TESTS	
TEMPERATURE AND ALTITUDE	4.0 REV. 1	EQUIPMENT TESTED TO CATEGORY D2	
LOW TEMPERATURE HIGH TEMPERATURE IN-FLIGHT LOSS OF COOLING	4.5.1 4.5.2 & 4.5.3 4.5.4 4.6.1	(IN-FLIGHT LOSS OF COOLING TEST IS NOT APPLICABLE)	
ALTITUDE DECOMPRESSION OVERPRESSURE	4.6.2 4.6.3		
TEMPERATURE VARIATION	5.0	EQUIPMENT TESTED TO CATEGORY A	
HUMIDITY	6.0	EQUIPMENT TESTED TO CATEGORY C	
SHOCK	7.0	EQUIPMENT TESTED TO OPERATIONAL TEST ONLY	
OPERATIONAL CRASH SAFETY	7.2 7.3	OFERATIONAL TEST ONLY	
VIBRATION	8.0	EQUIPMENT TESTED TO CATEGORY S	
EXPLOSION	9.0	EQUIPMENT IDENTIFIED AS CATEGORY  X — NO TEST REQUIRED	
WATERPROOFNESS	10.0	EQUIPMENT TESTED TO CATEGORY S	
FLUIDS SUSCEPTIBILITY	11.0	EQUIPMENT IDENTIFIED AS CATEGORY X — NO TEST REQUIRED	
SAND AND DUST	12.0	EQUIPMENT TESTED TO CATEGORY D	
FUNGUS	13.0	EQUIPMENT IDENTIFIED AS CATEGORY F — NO TEST REQUIRED	
SALT SPRAY	14.0	EQUIPMENT TESTED TO CATEGORY S	

## ENVIRONMENTAL QUALIFICIATION FORM - CONTINUED

MAGNETIC EFFECT	15.0	EQUIPMENT IDENTIFIED AS CATEGORY X — NO TEST REQUIRED
POWER INPUT	16.0	EQUIPMENT IDENTIFIED AS CATEGORY X - NO TEST REQUIRED
VOLTAGE SPIKE	17.0	EQUIPMENT IDENTIFIED AS CATEGORY X — NO TEST REQUIRED
AUDIO FREQUENCY SUSCEPTIBILITY	18.0	EQUIPMENT IDENTIFIED AS CATEGORY X - NO TEST REQUIRED
INDUCED SIGNAL SUSCEPTIBILITY	19.0	EQUIPMENT IDENTIFIED AS CATEGORY X - NO TEST REQUIRED
RADIO FREQUENCY SUSCEPTIBILITY	20.0	EQUIPMENT IDENTIFIED AS CATEGORY X - NO TEST REQUIRED
RADIO FREQUENCY EMMISION	21.0	EQUIPMENT IDENTIFIED AS CATEGORY X - NO TEST REQUIRED
LIGHTNING INDUCED TRANSIENT SUSCEPTIBILITY	22.0	EQUIPMENT IDENTIFIED AS CATEGORY X — NO TEST REQUIRED
LIGHTNING DIRECT EFFECTS TEST	23.0	EQUIPMENT IDENTIFIED AS CATEGORY X — NO TEST REQUIRED
ICING	24.0	EQUIPMENT IDENTIFIED AS CATEGORY X — NO TEST REQUIRED
OTHER TEST		
		L