

APPENDIX "1"  
TECHNICAL SPECIFICATIONS MANDATORY, MINIMUM MANDATORY CRITERIA  
(Compliance Matrix)

ITEM NO.	DESCRIPTION	STATUS	YES	NO	BIDDER RESPONSE	BIDDER CROSS REFERENCE	What's expected in your proposal
1	PART 1: GENERAL INFORMATION				Bidder shall indicate how they meet the specifications addressed below, by recording this information in this column	In this column, Bidder must cross-reference where this technical specification is indicted in their brochure, technical data sheet or narrative.	STATUS: M = Mandatory (Failure to meet the mandatory requirements will result in your proposal being deemed non-responsive, and be given no further consideration in the evaluation process); and I = Information only
1.1	Transport Canada (TC) in Churchill, MB has a requirement for the supply and delivery of 132 new AVLIGHT, MODEL AV70HIL LED AVIATION LIGHTS, SOLAR POWERED, built in accordance with specifications detailed below.	I					
1.2	<b>Delivery:</b> The items must be delivered FOB destination, including all delivery and off-loading charges, to the Churchill Airport in Churchill, MB R0C 0A0. <b>Offeror must provide best delivery time from date of order.</b>	M			BEST POSSIBLE DELIVERY DATE: ____ weeks / days from date of order		Confirm your commitment to these requirements.
1.3	<b>Technical / Performance Information:</b> Up-to-date current technical information, brochures, performance analysis, drawings and test results reflecting compliance with the mandatory requirements listed herein, must be submitted with your proposal at solicitation close, to clearly demonstrate your compliance with the specifications detailed within this solicitation. Failure to provide requested documentation may render the proposal non-compliant. Bidder is to list any deviation from the purchase description.	M					
1.4	<b>Cross Reference Technical / Performance Information:</b> <b>Bidders must cross-reference their technical information onto this Appendix "1".</b> a) record whether they meet (Yes) or not meet (No) the specifications; b) record how they meet the specifications; c) Bidders must specifically cross reference where this specification is located within your technical data sheets, brochures, etc.	M					
2	PART 2: PERFORMANCE REQUIREMENTS						
	Minimum mandatory performance specifications for LED AVIATION LIGHTS, SOLAR POWERED:	I					Provide detailed documentation, brochures or narrative with proposal to demonstrate compliance with the specifications of the solicitation.
2.1	The Solar lights must be capable of operating for the required autonomy at the rated output:	I					
	a) Temperature: -35C to +55C	M					
	b) Humidity: 10 to 100%	M					
3	PART 3: STANDARDS						
3.1	The solar powered aviation lights must meet the requirements of ICAO Annex 14, Volume 1, Fourth Edition. Para 5.3.17.7.	M					

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4	PART 4: TECHNICAL SPECIFICATIONS:						
	The LED Aviation Lights must meet the technical specifications identified below:	I					Provide detailed documentation, brochures or narrative with proposal to demonstrate compliance with the specifications of the solicitation.
4.1	The Solar Aviation lights shall have an integrated solar/ battery system	M					
4.2	The lights shall have a user replaceable battery in a waterproof compartment	M					
4.3	The lights shall have automatic night activation plus an external On/ Off switch	M					
4.4	The exterior shall have a UV stabilized polycarbonate lens and base	M					
4.5	The light shall have a LED aviation lens visible 360 <sup>0</sup> horizontal, and minimum 0 to +7 <sup>0</sup> degrees vertical	M					
4.6	The light lens shall have a minimum diameter of 135mm	M					
4.7	The lights must be available in: a) White – minimum peak intensity = 14 candela b) Blue – minimum peak intensity = 4.3 candela c) Red – minimum peak intensity = 12 candela d) Green – minimum peak intensity = 16 candela e) Amber – minimum peak intensity = 10 candela f) Sectored combinations of the colors shall also be available	M					
4.8	The light shall have a mounting base plate with holes to allow permanent mounting	M					
4.9	The battery shall be high grade Nickel- metal hydride and have a minimum 15 amp-hour capacity	M					
4.10	The light shall have a minimum autonomy of 5 nights (8 hours per night) between charges	M					
5	PART 5: MISCELLANEOUS						
5.1	INSPECTION, TESTING, CERTIFICATION: Each unit shall be delivered to the site fully assembled and fully operational	M					Confirm your commitment to these requirements.
5.2	ENGINEERING SUPPORT: Supplier shall be capable of providing after sales service and technical support as required. The supplier shall provide one copy of the operating/ maintenance manual in hard copy (8.5" x11") as well as be available via internet. The operating manual shall include maintenance information for mounting, calibration and service, battery maintenance and charging times required.	M					
5.3	WARRANTY: Minimum 1 year parts & labour	M					