

APPENDIX A1 - COMPLIANCE MATRIX
MINIMUM MANDATORY TECHNICAL SPECIFICATIONS

Spec Section	Description	Status	Yes	No	Bidder Response	Bidder Cross Reference	What's expected in your proposal
	<p>For the supply, delivery, installation and initial training for instructors of eight (8) Simulator Radar Training Systems (SRTS) for the Canadian Forces School of Communications and Electronics (CFSCE) in Kingston, Ontario.</p> <p>Bidders should submit with the bid, technical documentation such as specification sheets, technical brochures and photographs or illustrations to demonstrate compliance to each mandatory criterion listed in Appendix A1, Compliance Matrix. If specific published technical documentation is not available, the Bidder should prepare a written narrative complete with a detailed explanation of how its bid demonstrates technical compliance.</p>				In this column, the Offeror is to indicate how they meet the specifications addressed below. (i.e. See attached brochure.)	In this column, the Offeror is to cross-reference where this technical specification is indicated in their offer. (i.e. Page 4, Paragraph 3 of brochure)	STATUS : M=Mandatory; I = Information ; D=Desirable
1	Part 1: GENERAL PERFORMANCE SPECIFICATIONS						
1.01	Minimum mandatory performance specifications for eight (8) Simulator Radar Training Systems.	I					Provide detailed documentation, brochures with proposal to demonstrate compliance with the specifications of the solicitation.
1.02	Systems must be a low powered Radio Frequency (RF), active real-time classroom based system.	M					Provide detailed documentation, brochures with proposal.
1.03	Systems must able to replicate four common radar operations: pulsed, doppler, continuous wave, and frequency-modulated continuous wave.	M					Provide detailed documentation, brochures with proposal.
1.04	Systems must able to replicate on a computer monitor an A-Scope (range only display) and a Plan Position Indicator (PPI)(range and Azimuth display).	M					Provide detailed documentation, brochures with proposal.
1.05	Systems must include Moving Target Indication (MTI) processing with software control of clutter generation.	M					Provide detailed documentation, brochures with proposal.
1.06	Systems must include MTI processing that can differentiate slow moving targets at close range from stationary targets.	M					Provide detailed documentation, brochures with proposal.
1.07	Systems must use a target positioning system that can be controlled to allow active tracking and MTI functionality.	M					Provide detailed documentation, brochures with proposal.
1.08	The systems must be capable of fault-insertion for the instruction of system level and sub-system level fault-finding methodologies.	M					Provide detailed documentation, brochures with proposal.
1.09	Systems must allow on-screen student control of processing and display functions.	M					Provide detailed documentation, brochures with proposal.
1.10	Systems must allow hands-on training in a real (not computer simulated) environment in the principles of operation of analog and digital radars at the system and component level.	M					Provide detailed documentation, brochures with proposal.
1.11	System must have protection against inadvertent and mistaken connections.	M					Provide detailed documentation, brochures with proposal.
1.12	Systems must be capable of producing the same results or system parameters over multiple student interactions.	M					Provide detailed documentation, brochures with proposal.
1.12	Space requirements for each system must not exceed 11m ²	M					Identify the dimension size of the Unit offered.
1.13	System must be capable of monitoring system data to assist in the study of filtering, threshold levels and generation of alarm conditions.	M					Provide detailed documentation, brochures with proposal.
1.14	System must meet all Canadian Standards Association (CSA) General Workplace Safety Regulations and must be certified prior to delivery.	M					Provide detailed documentation, brochures with proposal.

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2	Part 2: ELECTRICAL SPECIFICATIONS AND CERTIFICATIONS						
2.01	Must be 120V, 50-60hz, 15A Maximum.	M					Provide detailed documentation, brochures with proposal.
2.02	Equipment must meet Canadian Standards Association (CSA) Electrical Standards and must be certified prior to delivery.	M					Provide detailed documentation, brochures with proposal.
3	Part 3: SOFTWARE SPECIFICATIONS						
3.01	System software must be included with the system.	M					Provide detailed documentation, brochures with proposal.
4	Part 4: TECHNICAL SUPPORT AND WARRANTY SERVICES						
4.01	The Bidder must provide 24 Hour Online Support and a 1-800# phone number available in both Canadian Official Languages (French and English).	M					Identify Online and telephone support available.
4.02	The Bidder must provide a minimum of 1 year full parts and labour warranty. Contractor must be able to provide on-site technician to CFSCE in Kingston, Ontario. The Contractor must be able to respond and be on-site within 48 hours of a service call from CFSCE.	M					Identify clearly in your proposal, how you meet the warranty provisions required with this requirement.
5	Part 5: DELIVERY & INSPECTION						
5.01	FOB Destination: CFSCE, CFB Kingston, 11 Satellite Ave (Genet Bldg), Kingston, Ontario, K7K-7B4. Including all delivery charges to destination. Delivery, installation and initial training (see part 9) is required on or before 28 March 2013.	M					Confirm your commitment to a Delivery, Installation and Training date.
5.02	Inspection and acceptance will be done at the destination to the satisfaction of the designated CFSCE representative.	M					Confirm your commitment to this requirement.
6	Part 6: DOCUMENTATION & MANUALS						
6.01	Documentation/Technical Manuals. The Contractor must provide a complete and current set of end-user documentation and technical reference manuals from the Original Equipment Manufacturer (OEM) for each item delivered. Manuals must be in both Canadian Official Languages (French and English). Canada has the right to make, or to have made, copies for Canada's purposes only.	M					Confirm your commitment to the provision of documentation/technical manuals.
6.02	Student Documentation. The Contractor shall provide a complete and current set of training materials (student manuals, handouts and lesson plans) on CD for each item delivered. Training material must be in both Canadian Official Languages (French and English). Canada has the right to make, or to have made, copies of the training material for Canada's purposes only.	M					Confirm your commitment to the provision of student documentation/manuals.
7	Part 7: CERTIFICATION OF NEW EQUIPMENT - OFF-THE-SHELF						
7.01	The equipment offered shall be "off-the-shelf" in that it shall be composed of standard equipment requiring no further research or development and shall be in current production and conform to the current issue of the applicable specification and/or part number of the Original Equipment Manufacturer. All equipment shall be new, in that it shall not include refurbished equipment and in that all equipment shall be of current manufacture.	M					Demonstrate your commitment to meeting this requirement.

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8	Part 8: QUALITY ASSURANCE OF THE BIDDER						
8.01	The Bidder must be an Original Equipment Manufacturer or an Authorized Reseller for the Unit they are offering to the Crown.	M					Provide documentation to demonstrate this requirement.
9	Part 9: ON-SITE TRAINING AT CFSCE Kingston, Ontario						
9.01	The Bidder is to provide one course for up to four (4) CFSCE instructional personnel in Kingston, Ontario. Training is to take place at time of installation. Training must include instruction in the setup, front panel operation and must also include an overview of documentation and software. It is expected training duration will not exceed a total 7.5 hrs.	M					Confirm your commitment to provide this training requirement.
10	Part 10: INSTALLATION & TESTING						
10.01	The Bidder is responsible for on-site installation and testing of eight (8) SRTS to the satisfaction of the designated CFSCE representative.	M					Conform your commitment to provide the on-site installation and testing to the satisfaction of the designated CFSCE Representative.