



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Public Works and Government Services Canada
ATB Place North Tower
10025 Jasper Ave./10025 ave. Jasper
5th floor/5e étage
Edmonton
Alberta
T5J 1S6
Bid Fax: (780) 497-3510

**SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution
Public Works and Government Services Canada
ATB Place North Tower
10025 Jasper Ave./10025 ave Jasper
5th floor/5e étage
Edmonton
Alberta
T5J 1S6

Title - Sujet VHF Radio Leasing	
Solicitation No. - N° de l'invitation W0127-19G408/A	Amendment No. - N° modif. 004
Client Reference No. - N° de référence du client W0127-19G408	Date 2018-10-02
GETS Reference No. - N° de référence de SEAG PW-\$EDM-607-11444	
File No. - N° de dossier EDM-8-41055 (607)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2018-10-09	Time Zone Fuseau horaire Mountain Daylight Saving Time MDT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Jenkinson, Lorraine	Buyer Id - Id de l'acheteur edm607
Telephone No. - N° de téléphone (587) 337-2458 ()	FAX No. - N° de FAX (780) 497-3510
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)	
Signature	Date

Solicitation No. - N° de l'invitation
W0127-19G408/A
Client Ref. No. - N° de réf. du client
W2781-19G408

Amd. No. - N° de la modif.
004
File No. - N° du dossier
EDM-8-41055

Buyer ID - Id de l'acheteur
edm607
CCC No./N° CCC - FMS No./N° VME

TITLE: LEASE OF PORTABLE VHF RADIO SETS

This solicitation amendment is to provide for clarifications regarding the Request for Proposal (RFP).

PART A: QUESTIONS/ANSWERS

- Q4-1. The compliance matrix serial 2.1 states that there must be a Technical Acceptance Certificate issued by Innovation, Science and Economic Development Canada (ISED) or a copy of a DND 552 "Application for Spectrum Supportability" with Parts 2 through 4 duly completed. Does the MBITR DD Form 1494 JF-12 (US equivalent to the Approve for Use document) meet this requirement?

Serial	Requirement	Comments
2.1	Must have a valid Technical Acceptance Certificate issued by Innovation, Science and Economic Development Canada (ISED) or a copy of DND 552 "Application for Spectrum Supportability" with Parts 2 through 4 duly completed;	MBITR DD Form 1494 JF-12 (US equivalent to the Approve for Use document) is attached. Does this meet the 552 requirement?

- A4-1. DFSM will accept the NATO 552 form or the DoD 1494 form (which is the US military equivalent of DND 552) in lieu of DND 552. If the 1494 form is submitted, page 1 of the DND 552 shall also be completed and submitted, as it contains important system information missing from DoD 1494, that is required for supportability analysis.

- Q4-2. Compliance matrix serial 2.7 states 'must meet standard MIL-STD-810G'. Is MIL-STD-810F also acceptable? [Company name] has conducted an analysis of the two respective standards and of the 14 Test Cases only Test Case 3 "Humidity" and Test Case 6 "Vibration" differ between 810F and 810G. Our assessment is there is not a material difference in the two standards to warrant the additional level of certification.

Serial	Requirement	Comments
2.7	Must meet standard MIL-STD-810G	The [radio model] was tested to MIL-STD-810F, which is functionally equivalent for the applicable tests. The [company name] MIL-STD-810 Environmental Test Summary is attached. Will this evidence suffice as meeting the 810G standard? This test summary is provided. Additionally, this equivalency was accepted for VHF/UHF AM/FM Radios So No. W8474-167196D

- A4-2. DND reviewed the document comparing the MIL-STD-810G and MIL-STD-810F as well as the test summary. There is a negligible change in the standard and would still meet the operating requirements. MIL-STD-810F is an acceptable standard based on the test case and testing summary.

- Q4-3. Statement of Work (Annex A, sections 2.6.3 and 2.6.4) requires total of 9 weekends of training (18 days), detailed as follows: USERS-TRAINING: two sessions in a weekend, one per day at each of the 6 locations listed in 2.6.3.2 (Victoria, Vancouver, Edmonton, Calgary, Saskatoon, and Winnipeg)

- 1) TRAINERS-TRAINING: Each session is requested to be 15 hours, divided over two days per weekend, at each of the 3 locations (Vancouver, Red Deer and Winnipeg).

On the other hand, Annex B (BASIS OF PAYMENT), section B.1 requires pricing for 4 days of training for each of Users and Trainers sessions (total of 8 days). Which one is right?

A4-3. It should be 6x two day sessions of user training and 3x two day sessions of trainer training. The user training must occur before the trainer training as the candidates on the trainer training course must have taken the user training first.

Users: 6 sites x 2 days each = 12 days
Trainers: 3 sites x 2 days = 6 days
Total: 18 days

Annex "B" – Basis of Payment has been revised.

Q4-4. Also there is no entry in Basis of Payment table for T&E charges. Should these be distributed into hourly rate? T&E = traveling expenses and few others (training room rental, etc.)

A4-4. The firm hourly rate for training should include the travel expenses and other costs associated with the training.

Q4-5. Are the tables on pages 19 and 20 of the RFP available in Excel?

A4-5. The Basis of Payment does not currently exist in an Excel version. If you have Adobe Acrobat DC you can export Annex B to Microsoft Excel. There are no formulas in the table. However, the formula that will be used for evaluation purposes is given (e.g. AxBxC).

Q4-6. As there are no specific timelines currently stated with the subject RFP concerning the delivery of the product or the training, with regards to Annex D – Evaluation Criteria para C1, in order to provide the contractor flexibility with identifying individuals to support/conduct the necessary training of the proposed radio product, is it suitable to provide the necessary certifications, documentation and experience of the individual 30 days prior to the delivery of any identified training as identified in Annex A – Statement of Work?

A4-6. No. As stated in the Annex D – Evaluation Criteria "The bid must meet the mandatory criteria specified in this annex." Bidders must include the Instructor Qualifications (Expertise and Experience) with their bid.

PART B: REVISION TO SOLICITATION DOCUMENT

B4.1 At ANNEX "A" - STATEMENT OF WORK

DELETE: **ANNEX "A" - STATEMENT OF WORK** (Revised 2018-09-19), in its entirety.
INSERT: **ANNEX "A" - STATEMENT OF WORK** (Revised 2018-09-26), herein.

B4.2 At ANNEX "B" - BASIS OF PAYMENT

DELETE: **ANNEX "B" - BASIS OF PAYMENT**, in its entirety.
INSERT: **ANNEX "B" - BASIS OF PAYMENT** (Revised 2018-09-26), herein.

B4.3 At ANNEX "D" - EVALUATION CRITERIA

DELETE: **ANNEX "D" - EVALUATION CRITERIA** (Revised 2018-09-19), in its entirety.
INSERT: **ANNEX "D" - EVALUATION CRITERIA** (Revised 2018-09-26), herein.

Solicitation No. - N° de l'invitation
W0127-19G408/A
Client Ref. No. - N° de réf. du client
W2781-19G408

Amd. No. - N° de la modif.
004
File No. - N° du dossier
EDM-8-41055

Buyer ID - Id de l'acheteur
edm607
CCC No./N° CCC - FMS No./N° VME

If your bid has already been submitted, you may wish to revise it. Revisions to your bid can be submitted in a sealed envelope or by facsimile or by ePost, in which the content is clearly identified. Please clearly indicate the content on the envelope, on the cover page or in the subject line, according to your method of presenting your amended proposal.

Any revisions to your bid must be received by the Bid Receiving Unit on or before the time and date stated on page 1 of this document. Any revisions to your bid received after the closing date and time will be considered late and will be returned unopened.

ANNEX "A" - STATEMENT OF WORK
(Revised 2018-09-26)

LEASE OF PORTABLE VHF RADIO SETS (3rd Canadian Division)

Section 1.0 – Scope

1.1 Purpose. This document sets out the general and specific requirements for the full and satisfactory execution of the requirement related to the lease of VHF communication devices in an environment of operations and engagements for the Department of National Defence (DND).

1.2 Background. 3rd Canadian Division (3 Cdn Div) has a requirement for a short term lease of equipment. This equipment is necessary to be interoperable in a non-secure mode with other military specific radios in the same frequency band as per the technical requirements. This requirement will support dismounted communication over short and medium distances, to other dismounted sections or supporting mounted platforms. A non-secure platform is sufficient to support the Canadian Army Reserve in many individual and collective training settings. The lease would be for period of one year, with three options of an additional year each.

1.3 Terminology

CAF – Canadian Armed Forces
EFCC - Equipment Fielding Coordination Centre
ISED – Innovation, Science and Economic Development Canada
OEM – Original Equipment Manufacturer.
VHF – Very High Frequency 30-300MHz. 30-88MHz is the required segment of this band.

Section 2.0 – Requirements

2.1 Tasks. Lease 120 portable VHF radios with an option for an additional 60 available. Refer to Appendix 1 – Compliance Matrix for the complete performance specifications.

2.2 CAF Responsibilities

2.2.1. CAF will provide the facilities or classroom within the following location to conduct the training sessions: Victoria, Vancouver, Edmonton, Calgary, Saskatoon, and Winnipeg.

2.6 Contractor's Responsibilities

2.6.1. Defective equipment must be replaced within 96 hours of its receipt by the Contractor. Canada must pay the transportation cost associated with returning the Work or any part of the Work to the Contractor's plant for replacement, repair or making good, and the Contractor must pay the transportation cost associated with forwarding the replacement or returning the Work or part of the Work when rectified to the delivery point specified in the contract or to another location as directed by Canada.

2.6.2. Lost or broken equipment not covered by warranty must be replaced at a maximum cost of 75% of the cost of published sale of equipment.

2.6.3. User training sessions will be given by the Contractor:

2.6.3.1. In English (mandatory);

2.6.3.2. Sessions will be delivered in the following locations – Victoria, Vancouver, Edmonton, Calgary, Saskatoon, and Winnipeg.

- 2.6.3.4.** Only on weekends (Saturday and Sunday), 7.5 hours per day, between 8am and 4pm, within a period of 30 days following the delivery of VHF radio sets.
- 2.6.3.5.** Each session will have 15 users trained on operation, programming and routine maintenance.
- 2.6.3.6.** There will be two sessions in a weekend at each of the locations in 2.6.3.2, one per day.

2.6.4. Instructor training sessions will be given by the Contractor:

- 2.6.4.1.** In English;
- 2.6.4.2.** On the Contractor's facilities or in a classroom rented by the Contractor;
- 2.6.4.3.** Sessions will be delivered in (or not more than 150km from) the following locations – Vancouver, Red Deer and Winnipeg.
- 2.6.4.4.** Only on weekends within 30 days following delivery of VHF radio sets.
- 2.6.4.5.** Each session will have six "train the trainer" instructors qualified to deliver future user training covering operation, programming and maintenance of the radio set.
- 2.6.6.6.** Each session is requested to be 15 hours, divided over two days.

Section 3.0 – Deliverables

3.1 Instructor Qualifications (Training/Experience)

3.1.1. Must include a curriculum vitae of the instructor(s) and any other document to demonstrate that they:

- a. have received training on the proposed radio model that is recognized by the original equipment manufacturer (OEM) and for which a proof of certification is available.
- OR
- b. possesses one year of proven experience with the proposed radio model as a product representative or instructor.

3.1.2. DND 552 Parts 2 through 4 or Technical Acceptance Certificate from ISEDC.

3.1.3. All radios are to be delivered to CFB Edmonton EFCC.

Appendix 1 to Annex "A" – Compliance Matrix – Minimum Mandatory Performance Specifications:

	<u>Requirements</u>
1	General Technical Requirement
1.1	One (1) keypad, which controls radio features, either built in or on the handset.
1.2	One (1) headset suited to under helmet use i.e. no overhead padded band that prevents the wear of a helmet. The mount for retaining the earpiece and microphone can't have a band that inhibits the wearing and performance of a helmet on a soldier.
1.3	One (1) carrying structure or case
1.4	One (1) 1-metre whip antenna (+/- 10cm) capable of receiving and transmitting the whole frequency band requested in 2.3
1.5	Two (2) sets of rechargeable batteries necessary for the operation of the radio
1.6	One (1) operator manual, in paper or PDF format, written in English. If the electronic version is provided, it is available by download or USB storage device;
1.7	A minimum of twenty-four programming kits (software and cables);
1.8	A minimum of forty-eight single-bay battery charging stations; and
1.9	A minimum of twelve multiple-bay (minimum six bays each) battery charging stations.
2	Detailed Technical Requirements
2.1	Must have a valid Technical Acceptance Certificate issued by Innovation, Science and Economic Development Canada (ISED) or a copy of DND 552 "Application for Spectrum Supportability" with Parts 2 through 4 duly completed; OR <i>NATO 552 form or the MB/IR DD Form 1494 JF-12 form (which is the US military equivalent of DND 552) in lieu of DND 552. If the 1494 form is submitted, page 1 of the DND 552 shall also be completed and submitted, as it contains important system information missing from DoD 1494.</i>
2.2	Must operate at temperatures varying between -30 and +60 degrees Celsius;
2.3	Must operate at frequencies ranging from 30 MHz to 88 MHz;
2.4	Must have an output power of 5W; the output power can be fixed or adjustable but must achieve the minimum of 5W.
2.5	The radio receiver must be sensitive enough to enable communication at a minimum LOS range of 5km within the specified frequency bandwidth and at a 5W transmit power under normal condition, meaning no obstacles such as mountains, valleys, dense vegetation, tall building and no electrical interferences;
2.6	Must weigh a maximum of 1.5kg including the battery pack;
2.7	Must meet standard MIL-STD-810G OR MIL-STD-810F ;
2.8	Must have a minimum of 10 pre-programmable channels;
2.9	Must have 25kHz spacing;
2.10	Must be FM (F3E) digital frequency modulated;

Solicitation No. - N° de l'invitation
W0127-19G408/A
Client Ref. No. - N° de réf. du client
W2781-19G408

Amd. No. - N° de la modif.
004
File No. - N° du dossier
EDM-8-41055

Buyer ID - Id de l'acheteur
edm607
CCC No./N° CCC - FMS No./N° VME

2.11	Must be compatible with STANAG 4204, 150Hz tone squelch;
2.12	Must be powered using a rechargeable battery with a duty cycle of minimum 8hrs based on a 5/5/90 (transmitting/receiving/waiting); and
2.13	Must not be considered a controlled cryptographic item (CCI) and as such must not contain any Type 1 cryptographic element. A commercial encryption capability such as AES 256, while not requested will be accepted.
3	Warranty
3.1	Standard warranty for entire length of leasing. All parts covered.

Solicitation No. - N° de l'invitation
W0127-19G408/A
Client Ref. No. - N° de réf. du client
W2781-19G408

Amd. No. - N° de la modif.
004
File No. - N° du dossier
EDM-8-41055

Buyer ID - Id de l'acheteur
edm607
CCC No./N° CCC - FMS No./N° VME

ANNEX "B" – BASIS OF PAYMENT
(Revised 2018-09-26)

- Firm Unit Prices must include ALL relative costs associated with providing the service in accordance with the Statement of Work, Annex "A", contained herein and remain firm for the period of the contract and option periods.
- The period of the lease starts on the day the Hardware is accepted and ends 12 months later with three option years of one year each.
- Firm unit prices do not include GST; GST will be added to the invoice as a separate line item.
- Firm unit pricing must be in Canadian (CAD) Dollars.
- Estimated usages provided are for the sole purpose of establishing an evaluation tool, based only on a best estimate and in no way reflects the actual usage expected or any commitment on the part of Canada.
- All line items must be filled out in order for the bid to be deemed responsive. If any line item is left blank, price will be considered zero for evaluation purposes.

B.1 Period 1 - Contract year - from date of issuance for a twelve month period.								
Item	Description	Qty	Unit	Period		Firm Unit Price		Extended Price
		(A)		(B)		(C)		(AxBxC)
1.	Lease of portable VHF radio sets as per section 2.0 of Annex A.	120	set	12	months	\$	Firm monthly price/set	\$
2.	Delivery of 120 sets FOB Destination as per clause 6.14 Shipping Instructions - Delivery at Destination of this document.	1	lot	1	Once	\$	Firm lot price	\$
		(A)	(D)	(B)		(C)		(AxDxBxC)
3.	Training for 15 users at the same time, during 2 days, 7.5 hours per day, Weekends, in English. As per sections 2.6.3 of Annex A.	6	2 day sessions	7.5	hours per day	\$	Firm hourly rate	\$
4.	Training for 6 instructors at the same time during 2 days, 7.5 hours per day, Weekends, in English. As per section 2.6.4 of Annex A.	3	2 day sessions	7.5	hours per day	\$	Firm hourly rate	\$
		Total Estimated Price - Period 1 - Contract year:						\$

Solicitation No. - N° de l'invitation
W0127-19G408/A
Client Ref. No. - N° de réf. du client
W2781-19G408

Amd. No. - N° de la modif.
004
File No. - N° du dossier
EDM-8-41055

Buyer ID - Id de l'acheteur
edm607
CCC No./N° CCC - FMS No./N° VME

B.2	OPTION PERIODS:									
Item	Description	Qty	Unit	Period		Firm Unit Price		Extended Price		
		(A)		(B)		(C)		(A x B x C)		
1.	Period 2 - Option year 1 - (actual dates to be determined)									
	Lease of portable VHF radio sets as per section 2.0 of Annex A.	120	set	12	months	\$	Firm monthly price/set	\$		
2.	Period 3 - Option year 2 - (actual dates to be determined)									
	Lease of portable VHF radio sets as per section 2.0 of Annex A.	120	set	12	months	\$	Firm monthly price/set	\$		
3.	Period 4-Option year 3 - (actual dates to be determined)									
	Lease of portable VHF radio sets as per sections 2.0 of Annex A.	120	set	12	months	\$	Firm monthly price/set	\$		
		Total Estimated Price - OPTION PERIODS:							\$	
B.3	OPTIONAL QUANTITY									
Item	Description	Qty	Unit	Period		Firm Unit Price		Extended Price		
		(A)		(B)		(C)		(A x B x C)		
1.	Lease of portable VHF radio sets. As per section 2.0 of Annex A.	60	set	12	months	\$	Firm monthly price per set	\$		
2.	Delivery of 60 sets FOB Destination as per clause 6.14 Shipping Instructions - Delivery at Destination of this document.	1	lot	1	Once	\$	Firm lot price	\$		
		Total Estimated Price - OPTIONAL QUANTITY:							\$	
B.4	Evaluated Price of the Bid									
	For evaluation purpose only, the evaluated price of each bid will be equal to the sum of the three sections B.1 + B.2 + B.3 of this annex as follows:									
	Section	Title							Total	
	B.1	Total Estimated Price - Period 1 - Contract year :							\$	
	B.2	Total Estimated Price - OPTION PERIODS:							\$	
	B.3	Total Estimated Price - OPTIONAL QUANTITY:							\$	
	TOTAL BID PRICE:							\$		
	Goods & Service Tax:						5%	\$		

ANNEX “D” - EVALUATION CRITERIA

(Revised 2018-09-26)

The bid must meet the mandatory criteria specified in this annex. Bids which fail to meet the mandatory criteria will be declared non-responsive. Each mandatory criterion should be addressed separately.

If the supporting documentation referenced below has not been provided at bid closing, the Contracting Authority will notify the Bidder that they must provide supporting documentation within two (2) business days following notification. Failure to comply with the request of the Contracting Authority within that time period, will deem the bid non-responsive and the bid will be given no further consideration.

C.1 Instructor Qualifications (Expertise and Experience)

1. Bidders must include with their bid a curriculum vitae (C.V.) of the instructor(s) and any other document to demonstrate that they:
 - a. have received training on the proposed radio model that is recognized by the original equipment manufacturer (OEM) and for which a proof of certification is available.

OR

 - b. possesses one year of proven experience with the proposed radio model as a product representative or instructor.
2. In order that the regulatory training may be considered, the following documents must be provided:
 - a. A written certification that the person has taken formal training in the field of radio sets specified in this request.
 - b. The following information should also be provided: name of the institution; titles of courses taken; and the number of hours of theoretical and practical instruction.

C.2 – Minimum Mandatory Equipment Performance Specifications:

A complete list of the minimum mandatory performance specifications are detailed below in the “Compliance Matrix”. Bidders are to clearly demonstrate compliance with each mandatory specification.

1. Bidders **must** show compliance by addressing each performance specification in the Compliance Matrix, whether the product offered “meets” or “doesn’t meet”.
2. Bidders are requested to indicate how they meet each performance specification by recording this information under the Performance Specification Offered column in the Compliance Matrix.
3. It is requested that supporting technical documentation, including but not limited to, specification sheets, technical brochures, photographs or illustrations be provided with the bid at solicitation close and be cross-referenced on the Compliance Matrix for each performance specification to outline where in the supporting technical documentation it demonstrates compliance. It is the Bidders responsibility to ensure that the submitted supporting technical documentation provides detail to prove that the proposed product(s) meet the requirements of the Performance Specification. If published supporting technical document is not available, the Bidder should prepare a written narrative complete with a detailed explanation of how its bid demonstrates technical compliance.
4. Bidders must address any concerns with the performance specifications in written detail to the Contracting Authority before bid closing as outlined in the Solicitation document.

5. Failure to meet each mandatory performance specification will result in the bid being deemed non-responsive, and be given no further consideration.

Canada will evaluate only the documentation provided with a Bidder's bid. Canada will not evaluate information such as references to Web site addresses where additional information can be found, or technical manuals or brochures not submitted with the bid.

COMPLIANCE MATRIX – MINIMUM MANDATORY PERFORMANCE SPECIFICATIONS:

	<u>Requirements</u>	Performance Specification Met?	Performance Specification Offered:	Bidders Cross Reference:
		Indicate either Yes/No	Bidder <u>should</u> indicate how they meet the performance specification by recording this information in this column.	In this column, Bidders should cross-reference where this performance specification is indicated in their supporting documents.
1	General Technical Requirement			
1.1	One (1) keypad, which controls radio features, either built in or on the handset.			
1.2	One (1) headset suited to under helmet use i.e. no overhead padded band that prevents the wear of a helmet. The mount for retaining the earpiece and microphone can't have a band that inhibits the wearing and performance of a helmet on a soldier.			
1.3	One (1) carrying structure or case			
1.4	One (1) 1-metre whip antenna (+/- 10cm) capable of receiving and transmitting the whole frequency band requested in 2.3			
1.5	Two (2) sets of rechargeable batteries necessary for the operation of the radio			
1.6	One (1) operator manual, in paper or PDF format, written in English. If the electronic version is provided, it is available by download or USB storage device;			

Solicitation No. - N° de l'invitation
W0127-19G408/A
Client Ref. No. - N° de réf. du client
W2781-19G408

Amd. No. - N° de la modif.
004
File No. - N° du dossier
EDM-8-41055

Buyer ID - Id de l'acheteur
edm607
CCC No./N° CCC - FMS No./N° VME

1.7	A minimum of twenty-four (24) programming kits (software and cables);			
1.8	A minimum of forty-eight (48) single-bay battery charging stations; and			
1.9	A minimum of twelve (12) multiple-bay (minimum six bays each) battery charging stations.			
2	Detailed Technical Requirements			
2.1	Must have a valid Technical Acceptance Certificate issued by Innovation, Science and Economic Development Canada (ISED) or a copy of DND 552 "Application for Spectrum Supportability" with Parts 2 through 4 duly completed; <i>OR NATO 552 form or the MBITR DD Form 1494 JF-12 form (which is the US military equivalent of DND 552) in lieu of DND 552. If the 1494 form is submitted, page 1 of the DND 552 shall also be completed and submitted, as it contains important system information missing from DoD 1494.</i>			
2.2	Must operate at temperatures varying between -30 and +60 degrees Celsius;			
2.3	Must operate at frequencies ranging from 30 MHz to 88 MHz;			
2.4	Must have an output power of 5W; the output power can be fixed or adjustable but must achieve the minimum of 5W.			
2.5	The radio receiver must be sensitive enough to enable communication at a minimum LOS range of 5km within the specified frequency bandwidth and at a 5W transmit power under normal condition, meaning no obstacles such as mountains, valleys, dense vegetation, tall building and no electrical interferences;			
2.6	Must weigh a maximum of 1.5kg including the battery pack;			
2.7	Must meet standard MIL-STD-810G, <i>OR MIL-STD-810F;</i>			

Solicitation No. - N° de l'invitation
W0127-19G408/A
Client Ref. No. - N° de réf. du client
W2781-19G408

Amd. No. - N° de la modif.
004
File No. - N° du dossier
EDM-8-41055

Buyer ID - Id de l'acheteur
edm607
CCC No./N° CCC - FMS No./N° VME

2.8	Must have a minimum of 10 pre-programmable channels;			
2.9	Must have 25kHz spacing;			
2.10	Must be FM (F3E) digital frequency modulated;			
2.11	Must be compatible with STANAG 4204, 150Hz tone squelch;			
2.12	Must be powered using a rechargeable battery with a duty cycle of minimum 8hrs based on a 5/5/90 (transmitting/receiving/waiting); and			
2.13	Must not be considered a controlled cryptographic item (CCI) and as such must not contain any Type 1 cryptographic element. A commercial encryption capability such as AES 256, while not requested will be accepted.			
3	Warranty			
3.1	Standard warranty for entire length of leasing. All parts covered.			