



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

**Bid Receiving - PWGSC / Réception des soumissions -
TPSGC**

11 Laurier St. / 11, rue Laurier

Place du Portage, Phase III

Core 0B2 / Noyau 0B2

Gatineau, Québec K1A 0S5

Bid Fax: (819) 997-9776

**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

Vehicles & Industrial Products Division
140 O'Connor, Tower East
4th Floor
140 O'Connor, Tour Est
4ème étage
Ottawa
Ontario
K1A 0S5

Title - Sujet braking systems & wheel assemblies	
Solicitation No. - N° de l'invitation 08324-190082/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client 20190082	Date 2019-08-09
GETS Reference No. - N° de référence de SEAG PW-\$\$HP-929-77515	
File No. - N° de dossier hp929.08324-190082	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2019-09-23	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Way, Stephanie	Buyer Id - Id de l'acheteur hp929
Telephone No. - N° de téléphone (613) 297-6500 ()	FAX No. - N° de FAX () -
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

This amendment 001 is raised to do administrative changes to the RFP; extend the closing date; replace the Statement of Requirement and answer bidder questions as follows:

CLOSING DATE

DELETE: September 03, 2019

INSERT: September 23, 2019

RFP ADJUSTMENTS

DELETE

3.1.1 Equivalent Products

1. Products that are equivalent in form, fit, function and quality to the item(s) specified in the bid solicitation will be considered where the Bidder:
 - a. designates the brand name, model and/or part number of the substitute product;
 - b. states that the substitute product is fully interchangeable with the item specified;
 - c. provides complete specifications and descriptive literature for each substitute product;
 - d. provides compliance statements that include technical specifics showing the substitute product meets all mandatory performance criteria that are specified in the bid solicitation; and
 - e. clearly identifies those areas in the specifications and descriptive literature that support the substitute product's compliance with any mandatory performance criteria.
2. Products offered as equivalent in form, fit, function and quality will not be considered if:
 - a. the bid fails to provide all the information requested to allow the Contracting Authority to fully evaluate the equivalency of each substitute product; or
 - b. the substitute product fails to meet or exceed the mandatory performance criteria specified in the bid solicitation for that item.
3. In conducting its evaluation of the bids, Canada may, but will have no obligation to, request bidders offering a substitute product to provide technical information demonstrating the equivalency (e.g. drawing, specifications, engineering reports and/or test reports, a sample of the product offered), or to demonstrate that the substitute product is equivalent to the item specified in the bid solicitation, at the sole cost of bidders, within three (3) business days (or other delay specified herein) of the request. If the bidder fails to provide the requested information within the specified delay, Canada may declare the bid non-responsive.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

Refer to Annex A-Statement of Requirement

INSERT

3.1.1 Equivalent Products

1. Products that are equivalent in form, fit, function and quality to the item(s) specified in the bid solicitation will be considered where the Bidder:
 - a) designates the brand name and model and/or part number and NSCM/NCAGE of the substitute product;
2. Products offered as equivalent in form, fit, function and quality will not be considered if:
 - a) the bid fails to provide all the information requested to allow the Contracting Authority to fully evaluate the equivalency of each substitute product; or
 - b) the substitute product fails to meet or exceed the mandatory performance criteria specified in the bid solicitation for that item.
3. In conducting its evaluation of the bids, Canada may, but will have no obligation to, request bidders offering a substitute product to provide technical information demonstrating the equivalency (e.g. drawing, specifications, engineering reports and/or test reports, a sample of the product offered), or to demonstrate that the substitute product is equivalent to the item specified in the bid solicitation, at the sole cost of bidders, within three (3) business days (or other delay specified herein) of the request. If the bidder fails to provide the requested information within the specified delay, Canada may declare the bid non-responsive.

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Evaluation Criteria - Part Number and NSCM/CAGE

Bidders must indicate the Part Number and the NSCM/CAGE they are offering.

DELETE: Annex A – Statement of Requirement ver 001

INSERT: Annex A – Statement of Requirement ver 002

Question 1: Section 2.1.2 Quantity 15 Wheel Assemblies:

The requirement states that:

- a. To include 5 rims to fit 2014 to 2016 Toyota Land Cruiser 200s
- b. To include 5 run flat systems
- c. To include 5 BF Goodrich All-Terrain T/A OK2 or equivalent. Tires Size LT285/65R18 (125Q)

Questions:

- a. Could the Government of Canada please clarify the following specifications for the rim:
 1. Do the rims need to be of a specific material type?

No the rims do not need to be of a specific material type as long as they are able to support the modified GVWR of the armoured vehicle (5500KG)

2. What is the required minimum load (weight) rating of the rim? This information is needed to ensure that the total vehicle payload and OEM/Armoring companies performance characteristics are maintained.

We require a load rating of 125 for all rims/tires

3. Each aftermarket rim assembly has specific dimensions. Offset can vary by manufacturer and this can affect fitment/clearance with the brake calipers and other vehicle components. To ensure proper fitment is achieved, is a specific manufacturers wheel and model number required?

No specific manufactures wheel and model number is required as long as they meet the provide 1" of clearance between the caliper and inside of the rim once mounted.

- b. Could the Government of Canada please clarify the following specifications for the runflat systems:

1. Is a specific name brand or equivalent runflat required?

A full-size RODGUARD run flat or equivalent is required.

2. Is a specific manufacturer model and/or part number required? Each runflat system is designed to match the profile of a specific rim. Therefore, additional data is required to make sure the components are compatible.

No specific part number is required as long as they match the rim provided by the bidder.

3. Runflats are rated for speed and distance of travel. Could you please specify these two requirements? (I.E. 50km at 50 KPH)

Requirements for the run flats are a minimum of 50 km at 50 km/hr.

Could you please clarify the total quantity required?

- a. 15 Vehicle sets worth of wheel assemblies? (75 rims, runflats, tires total)
- a. 15 x 5 sets of Wheel assemblies
- i. BF Goodrich All-Terrain T/A KO2 – LT285/65R18
- ii. Rim – 8Jx18 ET60
- iii. PCD - 5x150

Question 2:

Section 2.1.3 Quantity 13 Wheel Assemblies The requirement states that:

Questions:

- a. Could the Government of Canada please clarify if the following specifications for the rim:
1. Do the wheels need to be of a specific material type?

No the rims do not need to be of a specific material type as long as they are able to support the modified GVWR of the armoured vehicle (5500KG)

2. What is the required minimum weight rating of the wheel? This information is needed to ensure that the total vehicle payload and OEM/Armoring companies performance characteristics are maintained.

We require a load rating of 125 for all rims/tires

3. Each aftermarket wheel assembly has specific dimensions. Offset can vary by manufacturer and this can affect fitment/clearance with the brake calipers and other vehicle components. To ensure proper fitment is achieved, is a specific manufacturers wheel and model number required?

No specific manufactures wheel and model number is required as long as they meet the provide 1" of clearance between the caliper and inside of the rim once mounted.

- b. Could the Government of Canada please clarify the following specifications for the runflat systems:
1. Is a specific name brand or equivalent runflat required?
A full-size RODGUARD run flat or equivalent is required.
 2. Is a specific manufacturer model and/or part number required? Each runflat system is designed to match the profile of a specific rim. Therefore, additional data is required to make sure the components are compatible.

No specific part number is required as long as they match the rim provided by the bidder.

3. Runflats are rated for speed and distance of travel. Could you please specify these two requirements? (I.E. 50km at 50 KPH)

Requirements for the run flats are a minimum of 50 km at 50 km/hr.

Could you please clarify the total quantity required?

- a. 13 Vehicle sets worth of wheel assemblies? (65 rims, runflats, tires total)
 - a. 13 x 5 sets of Wheel assemblies
 - i. Michelin Defender LTX M/S – LT285/65R18
 - ii. Rim – 8Jx18 ET60
 - iii. PCD - 5x150

Questions 3

This solicitation is confusing. There are only 2-3 Brake manufactures in the world that have certifications to be used with armored vehicles. MovIt Brakes is one of them. We do manufacture replacement parts for the StopTech brake systems because, in the past, clients like yourself have had supply, durability, and reliability issues with the StopTech parts and systems. Please confirm the fact the MovIt makes StopTech replacement parts but StopTech DOES NOT make replacement parts for MovIt systems.

This statement is confirmed and accepted.

That said, part of your solicitation also states we (MovIt) can bid on the StopTech Brand Solicitation IF we can prove our systems meet the certified requirements. However, there are no listed requirements or certifications on the solicitation itself. MovIt Brake System meets and Exceeds the United Nations regulations/Guidelines: E/ECE/324/Rev.1/Add.12/Rev.8–E/ECE/TRANS/505/Rev.1/Add.12/Rev.8. In addition, Item 3.1.1 “b” below states that the substitute product must be fully interchangeable with the item specific. This is impossible since the StopTech kit, is in every which way possible, different from a competitor’s product like the MovIt Brake systems. The calipers, pads, rotors, mounting hardware, are all different in size. The MovIt kit will and does work with the 18” wheel you have requested. As stated above MovIt makes replacement parts for some of lesser quality and engineered StopTech parts but not all. Furthermore, MovIt has been supplying the Canadian Armed Forces and the RCMP with replacement parts for the StopTech brake systems, as stated before, for various durability and reliability reason. Most of these clients have changed out the StopTech systems in favor of the more robust MovIt Brake system as it is more financially efficient than the StopTech systems.

We agree and accept that it is not possible for Brake Parts from one supplier to be “fully interchangeable” with parts from another supplier. If some parts are interchangeable that would be beneficial to the entire process but we are not relying on that. The amended Statement of Requirements now indicates the requirements that must be met by all Braking systems.

If the solicitation were to ask for a generic term “Brake Kit” for either a light (7k-11K lbs.), medium duty (11k-13K lbs.), or Heavy-Duty (13K+ lbs.) armor application that will work with an 18” armor wheel application then we could specifically bid on that inquiry and we would be able to submit a more accurate quote. An example is below:

Vehicle requirement:

2014-2016 Toyota Land Cruiser 200 (we also need to know if the vehicle has the 12mm or 14mm mounting bolts for the front caliper as there are variants in this specific model). VIN's WILL BE required due to the vehicles having different knuckles with different size mounting holes. The different part numbers are NOT interchangeable. This is due to Toyota changing the knuckle itself.

VINs for the vehicles to be upgraded will be provided either upon request from the Bidder or as directed by the Contracting Authority.

18” Armor wheel with runflat (specify the duty range of the vehicle) Wheel weight requirement(s).

These requirements have been spelt out in the amended Statement of Requirements

Brake system:

These requirements have been spelt out in the amended Statement of Requirements

(4) wheel brake system for 18” armor wheel to include the following:

(2) Front calipers and Rotors with pads and brake lines

(2) rear calipers and rotors with pads and brake lines

All of MovIt Part or Kit numbers can and will be sent if requested.

All mounting hardware (currently NOT listed in 2.1.1) All MovIt kits include this with the purchase of a complete kit as you have requested.

In regard to the wheel requirement that is NON-Brand specific, which is much better as we will be able to offer the solicitation more options that will affect the cost. A heavy-duty application can be several hundred dollars more than a light duty amour wheel and runflat system. Obviously we would love to bid on and win the solicitation but I feel like we will be over bidding on the items and submitting a bid on the heaviest of duty kits and parts for this application and be disenfranchised and put in an unfair disadvantage because another bidder would submit a bid on an inferior and inexpensive product to just win the bid. This will cause problems in the future with a lack of supply and failures of the parts spread all around the world for you to fix after the contract is fulfilled. The same applies for the runflat systems. We can offer several variants of a runflat and on several different platforms. Light, medium, and heavy duty. Specifics are required in order to submit an accurate bid.

These requirements have been spelt out in the amended Statement of Requirements

2.1.1, 2.1.1, and 2.1.3 all state parts must meet Minimum Technical specifications but only the tires have the required technical minimums. IE load rating.

These requirements have been spelt out in the amended Statement of Requirements

Due to the technical nature and the fact there are so many variables with this Toyota Vehicle at least 6-7 weeks are needed to manufacture and obtain individual pieces/parts to supply the necessary and desired parts.

In conclusion, if this solicitation was more specific technically in regard to the system requirements you want and how they need to perform rather than "brand specific" We would be able to provide a higher level of product(s) to you at a more competitive rate. I believe both technically via support of performance and supply, and financially The Canadian Government would be far better off having the best manufactures bid on this type of product to supply and support. Accepting a solicitation from Movlt Brakes USA would assure the direct support of the manufacture in this case for heavy high performance equipped armored vehicles that are used in the harshest of territories for many years at a time with little to no maintenance that is readily available.

Question 4

Things I am looking for on the brake systems:

1. would be the certification requirements for amour vehicle braking system,

min tire and wheel load requirements, and runflat requirements. There are several that can be sold. Light, med and heavy armored versions. All have different price points

The answers to all of your questions can be found in the amended Statement of Requirements.

Question 5

What is the OE number for braking systems & wheel assemblies?

Brake Rotor	2014-2015	43512-60180
Brake Rotor	2016	43512-60210
Brake Caliper (Left)	2014-2015	47750-60280
Brake Caliper (Left)	2016	47730-60320
Brake Caliper (Right)	2015-2015	47730-60280
Brake Caliper (Right)	2016	47730-60320
Brake Pads	2014-2016	04465-60280
Brake Lines (Left)	2014-2016	90947-02G84
Brake Lines (Right)	2014-2016	90947-02G83
Wheel	2014-2016	PTR45-34120

ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME



ANNEX A

STATEMENT OF REQUIREMENT v2

UPGRADE OF AV TIRES & BRAKING SYSTEMS

1.0 Scope

1.1 Objective:

To upgrade AVs in the GAC Fleet from 17" wheel assemblies and braking systems to 18" wheel assemblies and braking systems.

1.2 Background:

AWCT has the mandate to purchase and armour Toyota Land Cruiser 200s that addresses a long-standing issue regarding the effective operation, maintenance and distribution of AVs at our Missions abroad. This is predominantly based on the need for the replacement of older, poorly functioning AVs currently in situ. This effort was included and approved within the recently approved and funded Duty of Care initiative.

GAC currently has twenty-eight (28) AVs produced between the years 2014 and 2016 using 17" wheel assemblies & braking systems. These AVs are not scheduled for the LCRP in the near future. GAC must upgrade all 28 of these AVs to the 18" Wheels & Braking systems to render the entire GAC AV Fleet standardized, with the purpose of speeding up repairs, as well as maintaining a standardized safety level for all AVs. The goal is to reduce the number of non-operational AVs in need of repairs at any given time.

1.3 Terminology:

- | | |
|--------------------|---|
| • GAC | Global Affairs Canada |
| • AWCT | Physical Security Programs |
| • LCRP | Life Cycle Replacement Program |
| • SOW | Statement of Work |
| • DOC | Duty of Care |
| • AVs | Armoured Vehicles |
| • TLC 200 | Toyota Land Cruiser 200 |
| • Braking Systems | StopTech Brakes as per 2.1.1 |
| • Wheel Assemblies | Rim, Run Flat & Tire as per 2.1.2 and 2.1.3 |
| • P/N | Part Number |

2.0 Requirements:

GAC must upgrade twenty-eight vehicles using 18" wheel assemblies and brake kits. GAC requires 28 complete brake kits, 5 wheel assemblies per AV for 15 AVs (using BF Goodrich All-Terrain T/A OK2 tires or equivalent) and 5 wheel assemblies per AV for 13 AVs (using Michelin Defender LTX M/S tires or equivalent). The wheel assemblies and brake kits will be shipped to GAC HQ in Ottawa, for the purpose of re-distribution to Missions when and where required.

2.1 Deliverables and Minimal Technical Criteria's:



- 2.1.1 Quantity 28 Brake Kits: Each Brake Kit must include the following parts or equivalent to be approved by the technical authority. Once equipped the vehicle must come to a complete stop from 80-0 Km/h in no more than 35m. Independent certification must be provided indicating that the Braking System meets this minimum specification.
- a. To include 1 set of StopTech Front Calipers (P/N 73.00C.6P05 or equivalent)
 - i. 6-piston fixed caliper (2-piece)
 - ii. Piston Diameter – 42mm
 - iii. Dimensions – W 175.3 x H 319.4 x L 110 mm
 - iv. Integrated fastening with 2 threaded holes for fastening with original screws
 - i. Version A: M12 x 1.25 x 35mm
 - ii. Version B: M14 x 1.5 x 35mm
 - b. To include 1 set of StopTech Rear Calipers (P/N 73.00C.4205 or equivalent)
 - i. 4-piston fixed caliper (2-piece)
 - ii. Piston Diameter – 38mm
 - iii. Dimensions – W 158.7 x H 274.5 x L 90.1 mm
 - iv. Integrated fastening with 2 threaded holes for fastening with original screws
 - i. Version A: M12 x 1.25 x 25mm
 - ii. Version B: M14 x 1.5 x 35mm
 - c. To include 1 set of StopTech Brake Pads, Front (P/N 306.10270 or equivalent)
 - i. Width – 175.4 mm
 - ii. Height – 78.0 mm
 - iii. Thickness – 22.0 mm
 - d. To include 1 set of StopTech Brake Pads, Rear (P/N 63.309.1303.1 or equivalent)
 - i. Width – 143.8 mm
 - ii. Height – 55.5 mm
 - iii. Thickness – 18.0 mm
 - e. To include 1 StopTech Brake Rotor, Front, Right (P/N 30.00A.1014 or equivalent)
 - i. 354 mm x 34 mm thick
 - ii. Internally ventilated
 - iii. Connection – LK 5x150 internal centering 112
 - f. To include 1 StopTech Brake Rotor, Front, Left (P/N 30.00A.1013 or equivalent)
 - i. 354 mm x 34 mm thick
 - ii. Internally ventilated
 - iii. Connection – LK 5x150 internal centering 112
 - g. To include 1 StopTech Brake Rotor, Rear, Right (P/N 30.00A.1024 or equivalent)
 - i. 354 mm x 28 mm thick
 - ii. Internally ventilated
 - iii. Connection – LK 5x150 internal centering 112
 - h. To include 1 StopTech Brake Rotor, Rear, Left (P/N 30.00A.1023 or equivalent)
 - i. 354 mm x 28 mm thick
 - ii. Internally ventilated
 - iii. Connection – LK 5x150 internal centering 112
 - i. To include 1 set of StopTech Brake Lines, Front (P/N 950.44033 or equivalent)
 - i. Stainless Steel Flex Braided
 - ii. Length – 482.7mm
 - j. To include 1 set of StopTech Brake Line, Rear, Right (P/N 950.44532 or equivalent)
 - i. Stainless Steel Flex Braided
 - ii. Length – Inside Line: 330.3mm Outside Line: 482.7mm



- k. To include 1 set of StopTech Brake Line, Rear, Left (P/N 950.44531 or equivalent)
 - i. Stainless Steel Flex Braided
 - ii. Length – Inside Line: 285.8mm Outside Line: 482.7mm
- 2.1.2 Quantity 15 Wheel Assemblies: Each Wheel Assembly must include the following parts or equivalent to be approved by the technical authority.
 - a. To include 5 rims to fit 2014 to 2016 Toyota Land Cruiser 200s. They must be able to support the modified GVWR of the armoured vehicle (5500KG).
 - i. Rim – 8Jx18 ET60
 - ii. Pitch Circle Diameter - 5x150
 - iii. Center Bore – 110 mm
 - iv. Thread Size – M14 x 1.5
 - v. Wheel Load Rating (min) – 1515kg
 - b. To include 5 run flat systems. Each wheel assembly, including the spare tire, must be fitted with a full-size RODGUARD run flat or equivalent approved by the technical authority. Requirements for the run flats are a minimum of 50 km at 50 km/hr.
 - c. To include 5 BF Goodrich All-Terrain T/A OK2 or equivalent. Tires size LT285/65R18 (125Q)
- 2.1.3 Quantity 13 Wheel Assemblies: Each assembly must meet the following Minimum Technical Specifications
 - a. To include 5 rims to fit 2014 to 2016 Toyota Land Cruiser 200s. They must be able to support the modified GVWR of the armoured vehicle (5500KG).
 - i. Rim – 8Jx18 ET60
 - ii. Pitch Circle Diameter - 5x150
 - iii. Center Bore – 110 mm
 - iv. Thread Size – M14 x 1.5
 - v. Wheel Load Rating (min) – 1515kg
 - b. To include 5 run flat systems. Each wheel assembly, including the spare tire, must be fitted with a full-size RODGUARD run flat or equivalent approved by the technical authority. Requirements for the run flats are a minimum of 50 km at 50 km/hr.
 - c. To include 5 Michelin Defender LTX M/S or equivalent. Tire size LT285/65R18 (125Q)
- 2.1.4 Any item listed in sections 2.1.1, 2.1.2 and 2.1.3 of the Statement of Requirements must be compatible with all other items in the referenced sections.

2.2 Delivery Point and Time Frame

All the deliverables must be received on September 30th, 2019 at:

Boyd Commercial Warehouse & Dist. Services Limited
2574 Sheffield Rd
Ottawa ON K1B 3V7

2.3 Tasks

2.3.1 Manufacturing

All 28 sets of 5 wheel assemblies listed in sections 2.1.2 and 2.1.3 of the Statement of Requirements must arrive completely assembled.

2.3.2 Packaging



Foreign Affairs, Trade and
Development Canada

Affaires étrangères, Commerce
et Développement Canada

All 28 sets of wheels & braking systems are to be shipped separated as follows. One complete wheel assembly (set of 5) and one complete brake kit packaged together, identified by the tire brand and size.