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## 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  
11 Laurier St./11, rue Laurier  
7A2, Place du Portage, Phase III  
Gatineau, Québec K1A 0S5

<b>Title - Sujet</b> FLATBED TRUCKS WITH CRANE	
<b>Solicitation No. - N° de l'invitation</b> F2519-160015/A	<b>Amendment No. - N° modif.</b> 002
<b>Client Reference No. - N° de référence du client</b> F2519-160015	<b>Date</b> 2016-11-28
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$HP-923-71784	
<b>File No. - N° de dossier</b> hp923.F2519-160015	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-12-16</b>	<b>Time Zone</b> Fuseau horaire Eastern Standard Time EST
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Martin, Erik	<b>Buyer Id - Id de l'acheteur</b> hp923
<b>Telephone No. - N° de téléphone</b> (873) 469-3318 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

Instructions: See Herein

Instructions: Voir aux présentes

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

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THIS SOLICITATION AMENDMENT **002** IS ISSUED TO POST QUESTIONS AND ANSWERS #1 TO #22 AND THE REVISED ANNEX A – SPECIFICATIONS – FLATBED TRUCKS WITH CRANE (REVISED NOVEMBER 23, 2016).

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.

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**Solicitation #F2519-160015/A**  
**Flatbed Trucks with crane - Questions & Answers**

Q #	Questions in English	Answers in English	Modify Specs?
1	<b>Question:</b> I am checking to see if you would accept a 475 hp and 1700 ft tq. engine?	No. 500HP and above.	No
2	2.12 Crib area 2.12.2 Side and rear crib walls must be a minimum of 48" high, be removable and fabricated of aluminum. With swing open rear doors. All sections not to exceed 48" in length.  <b>Questions:</b> What is a crib wall? Is it what is normally called side racks? Since there is no aluminum side racks available on the market, could you provide pictures of an existing set up or a manufacture's part number for references? Do you need a spot to store the crib wall on the truck when the crib wall is not installed?	Please see attached photos for view of existing crib walls. When removed, crib walls do not require extra storage on the truck.	No
3	2.12.4 Must be located on passenger side of deck, between crib and rub rails.  <b>Questions:</b> What must be located on passenger side of deck? Do we refer to section 2.12.3 with the boxes are already under the deck frame mounted?	This section was deleted in our final version of the submission. Unsure as to why it is on the tender.	Yes  Removed 2.12.4 from specs.
4	2.12.5 Supports must be located a minimum of 20" from front of crib. <b>Questions:</b> What support and what is a crib?	No supports are needed, a crib is the box.	No
5	2.12.6	Storage boxes cannot	No

	Must not interfere with load securement. <b>Questions:</b> Same questions for section 2.12.5 and 2.12.6.	interfere with load securement.	
6	2.12.7 Must have rear aluminum doors with tie back hooks. All side panels must be aluminum and be removable. <b>Questions:</b> Do we refer to section 2.12.2? Is the crib panels the same as deck side racks? Please provide pictures samples or pictures of existing truck or manufacture for references .Could we have a solid post on each corner at the rear to hold the rear doors.	See attached photo of existing crib walls and doors. Cannot have solid posts affixed to the corners. Doors are hinged to crib walls.	No
7	2.12.8 Stowage mounts for two outrigger pads. <b>Question:</b> Can you please provide location?	So as not to interfere with the operation of the vehicle or installed components. Closer to the outriggers would be preferable.	No
8	2.13 Load securement. 2.13.2 Winches/ratchets, anchors/tie downs must be mounted on side of crib. Please explain. <b>Questions:</b> Same question as section 2.12.2.	Winches or ratchets must be mounted under side of box, see attached photos.	Yes
9	The sections 2.12 crib area and section 2.13 load securement are all inter related. <b>Question:</b> Could provide a clearer explanations on those items so it will help us to build you a unit that will meet all your requirement and expectations.	Ratchets on one side and ability to hook on opposite side of bed.	No
10	2.7.29 USB Charging port and 110 AC Outlet. This is not something readily available from most chassis suppliers.	As long as there is an auxiliary lighter receptacle installed to accommodate this variance.	No

	<b>Question:</b> Would an inverter that plugs into the lighter receptacle with both 110AC and USB port be acceptable?		
11	2.8.6 Four corner amber warning LED strobe lights. <b>Question:</b> Would mirror mounted (both driver and passenger side) strobes with 360 degree visibility be acceptable?	This should be acceptable.	No
12	2.8.9 Battery saver. <b>Question:</b> What exactly is a battery saver?	A device that will not permit the batteries dropping below the point of not being able to start the truck. This is sometimes a feature offered in the electronics package of different manufacturers.	No
13	2.8.14 Exterior mounted supplementary cab heater – diesel. <b>Question:</b> Since this unit has a day cab; is the heater still required? Is there a preference make, model, btu, and installation location?	A heater capable of maintaining a level of comfort for occupants of the cab in weather up to - 40 C. Install in a location where it will not interfere with other components and operation of the crane.	No
14	2.9.10 Electronic Logging Device. <b>Question:</b> Please specify the preferred supplier of the device and software so this unit will be compatible with other logging currently in use by the Coast Guard.	Cannot specify a preferred supplier.	No
15	2.10.6 Rotation stop point when pointing forward. <b>Question:</b> Please confirm the actual rotation stop position required in relation to the cab. Or are you asking where the rotation stop will be when the crane completes the entire 400 degree	The crane must be able to turn a full 400 degrees	No

	rotation or do you want the rotation stop in the center of the cab pointing forward?		
16	2.10.7 Must have input and output hydraulic ports for (1) accessory. <b>Question:</b> Are you looking for the port to be attached to be on the rotator? The first to run the rotator and the second to be used for an accessory like a grapple or forks.	Hydraulic ports are not needed.	Yes
17	2.12.4 Must be located on passenger side of deck, between cab and rub rails. <b>Question:</b> What must be located on passenger side of deck, between cab and rub rails?	Already addressed in question #3.	Yes
18	2.13.1 Winches/ratchets must be installed on driver's side of deck. <b>Question:</b> How many winches/ratchets?	See section 2.13.4 – National Safety Code Standard 10 for Cargo Securement. Amount of winches/ratchets must conform to load securement standard.	No
19	In the tender they ask for a head board that covers the cab. <b>Question:</b> With the crane mounted behind the cab will a 4' head board like the one in the picture in that location be acceptable?	Please see attached photo. Headboard at the front of the truck deck, behind the crane, is acceptable.	No
20	ITEM – 2.1.9: Rear Pintle Hook for towing applications. I believe this isn't allowed in Nova Scotia. <b>Question:</b> Could you please clarify?	Pintle hooks are the main coupling device used in this application, and as such, are approved and regulated for use on all North American highways. See attached photos, and link. <a href="http://ww1.safholland.ca/sites/canada/en-CA/products/couplingproducts/pintle-hooks-">http://ww1.safholland.ca/sites/canada/en-CA/products/couplingproducts/pintle-hooks-</a>	No

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		<a href="#">heavy/Pages/default.aspx</a>	
21	ITEM – 2.6.5: Wide base tires minimum size of 425/65R and minimum of load range L on steer & lift axles. I believe that Lift axles aren't allowed in Nova Scotia. <b>Question:</b> Could you please clarify?	There is not a lift axel for this spec. Should read: <i>“ITEM – 2.6.5: Wide base tires minimum size of 425/65R and minimum of load range L on steer axle.”</i>	Yes
22	ITEM - 2.1.9: The truck requires an 8 ton pintle hook. With a trailer that size it's usually required to provide an electric brake controller.  <b>Question:</b> Is an electric brake controller required for the trailer hitch?	Should read <i>“Pintle hook with minimum 8 ton vertical load”</i> . Trailer is air-brake equipped. Trailer will be controlled by air. The remainder of section 2.1.9 states: <i>“...with accompanying electrical and air connections for towing applications.”</i> See attached link for examples: <a href="http://ww1.safholland.ca/sites/canada/en-CA/products/couplingproducts/pintle-hooks-heavy/Pages/default.aspx">http://ww1.safholland.ca/sites/canada/en-CA/products/couplingproducts/pintle-hooks-heavy/Pages/default.aspx</a>	Yes

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Picture related to Answers #2 and #6





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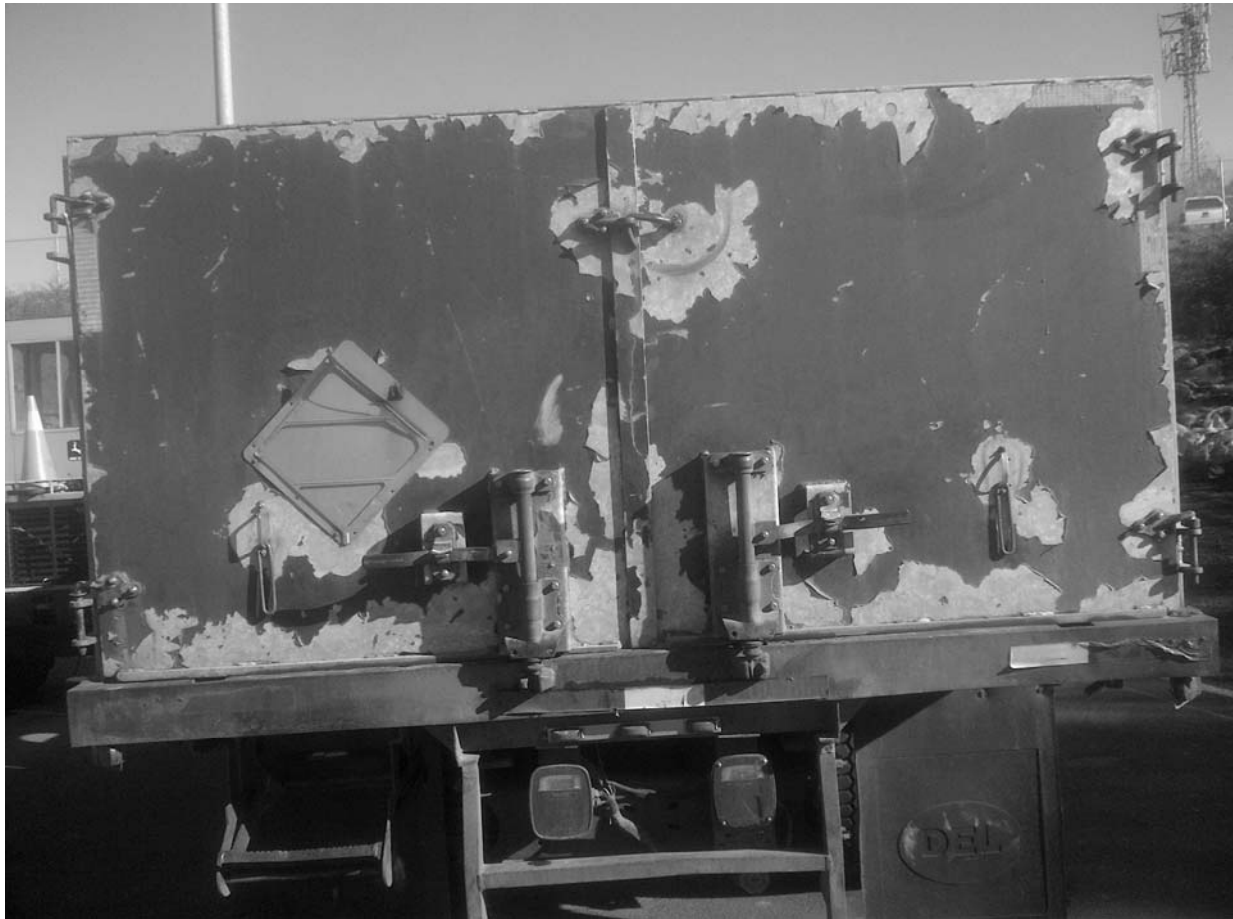
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Picture related to Answer #8



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Picture related to Answer #19



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Picture related to Answer #20



## **Annex “A” – Specifications – Flatbed trucks with crane**

**(REVISED NOVEMBER 23, 2016)**

### **OBJECTIVE:**

The Canadian Coast Guard has a requirement for two (2) Flatbed trucks with crane for their bases located in Prescott, ON and Dartmouth, NS.

The trucks must include the following mandatory requirements:

ITEM	DESCRIPTION	MEET MANDATORY REQUIREMENTS	
		Yes	No
<b>1.0</b>	<b>General</b>		
<b>1.1</b>	<b>Operating Conditions</b>		
1.1.1	Vehicle must be capable of satisfactory operation in ambient temperatures from 45 degrees C down to minus 40 degrees C.		
<b>1.2</b>	<b>Manuals</b>		
1.2.1	Provide two (2) copies for each of the vehicle and crane operator manuals. One (1) copy each of the crane service and parts manuals may be in digital format. In each official language.		
<b>1.3</b>	<b>Painting</b>		
1.3.1	Equipment cab must be painted manufacturer's Canadian Coast Guard Red : RAL 3000		
1.3.2	Frame and flatbed must be painted black.		
1.3.3	Crane must be painted crane manufacturers standard color.		
<b>1.4</b>	<b>Delivery</b>		
1.4	Lubricate and service unit prior to delivery with all lubricants associated products suitable for the climate conditions in which the vehicle will operate.		
1.4.1	There must be at least one manufacturer approved service center for each of the truck and crane within 100 kilometers of each of the following areas: <ul style="list-style-type: none"> <li>• Prescott, ON or Dartmouth, NS (as applicable)</li> </ul>		
<b>1.5</b>	<b>Inspection</b>		
1.5.1	Final inspection to be made by consignee.		
<b>2.0</b>	<b>Detail Requirements</b>		
<b>2.1</b>	<b>Chassis</b>		
2.1.1	Set back front axle configuration		
2.1.2	Load equalizing air ride suspension		
2.1.3	Minimum steer axle capacity of 19,840 lb. (8,999.27 kg) single wide base tires		
2.1.4	Minimum tandem drives capacity of 44,000 lb. (20,000 kg), must have a spread of 60 inches, load equalizing axles, dual tires		
2.1.5	The vehicle must be capable of transporting 36,000 lb. (16,000 kg). A minimum GVWR – 60,000 pounds ( 27,215 kg)		
2.1.6	Double frame rails from back of cab (as specified by crane manufacturer)		
2.1.7	Wheel base: minimum of 252 inches (mid-front axle to mid-tandem axles)		
2.1.8	Over hanging rear frame rails: minimum of 120 inches maximum 140 inches from mid-tandem Axle		
2.1.9	Pintle hook with minimum 8 ton vertical load with accompanying electrical and air connections for towing applications.		
<b>2.2</b>	<b>Engine</b>		

2.2.1	Minimum: 500 HP Diesel engine		
2.2.2	Minimum: 1500 lb-ft torque		
2.2.3	Engine brake		
2.2.4	Engine block heater		
2.2.5	Diesel fired engine preheater with timer		
2.2.6	Heated fuel / water separator		
2.2.7	Vertical tailpipe(s)		
2.2.8	Minimum cruising speed of 65mph (105 km/h)		
2.2.9	Muffler		
<b>2.3</b>	<b>Transmission and Final Drive</b>		
2.3.1	Minimum: 13 speed manual shift transmission with cooler		
2.3.2	Unobstructed access to mount PTO on transmission		
2.3.3	Compatible drive axle gear ratio to economically accommodate 75% of road operation on two lane highways at 62.5 mph (100 km/h) at maximum gross weight of 66,000 lb. (30,000 kg)		
2.3.4	Full locking differentials		
2.3.5	Inter-axle lock		
2.3.6	Power Take Off (PTO) specifications must meet or exceed the requirements of the supplied crane		
<b>2.4</b>	<b>Brakes</b>		
2.4.1	Anti-lock braking system		
2.4.2	Air disc brakes		
<b>2.5</b>	<b>Fuel</b>		
2.5.1	Minimum: 110 US gallons (416.395 liters) fuel tank(s) capacity.		
2.5.2	Primary and secondary replacement type fuel filters.		
2.5.3	Fuel/Water separator		
<b>2.6</b>	<b>Wheels and Tires</b>		
2.6.1	Wheels must have a rim size of 22.5 inches		
2.6.2	Aluminum wheels		
2.6.3	Spray suppression mud flaps at rear, no advertising		
2.6.4	Radial tires		
2.6.5	Wide base tires minimum size of 425/65R and minimum of load range L on steer axle.		
<b>2.7</b>	<b>Cab and Accessories</b>		
2.7.1	18" telescopic and tilt steering wheel.		
2.7.2	Overhead storage/CB Radio mount.		
2.7.3	Cab heater and air conditioner vents and controls		
2.7.4	Must provide an insulation package for the cab		
2.7.5	Tinted Rear Window		
2.7.6	Power steering		
2.7.7	Air ride cab suspension		
2.7.8	Dual air ride high back seats with arm rests and lumbar support		
2.7.9	Rubber flooring and rubber mats		
2.7.10	Power adjustable and heated exterior mirrors		
2.7.11	Door mounted heated convex mirrors		
2.7.12	Left and right fender mounted convex mirrors		
2.7.13	Left and right power windows		
2.7.14	Stainless Steel/Aluminum front bumper		
2.7.15	Opening to insert front tow hooks		
2.7.16	Front and rear license plate holders		
2.7.17	Dual roof mount air horns		
2.7.18	Power door locks		
2.7.19	AM / FM / CD radio player with hands-free Bluetooth capability		
2.7.20	CB radio with hands-free Bluetooth capability		



2.7.21	Cab roof windshield visor(s)		
2.7.22	Hood mounted bug deflector		
2.7.23	Variable engine speed control for crane operation		
2.7.24	Smoke and carbon monoxide detector(s)		
2.7.25	Floor mounted storage console between seats		
2.7.26	Cup holders driver and passenger		
2.7.27	Passenger blind spot window mounted in door		
2.7.28	Exterior Driver and Passenger grab handles		
2.7.29	USB charging port and 110 AC outlet.		
<b>2.8</b>	<b>Electrical System</b>		
2.8.1	Heavy duty alternator: Minimum: 160 Amp		
2.8.2	Heavy duty batteries: Minimum: 2500 CCA		
2.8.3	Manual battery disconnect switch in cab		
2.8.4	All exterior lighting except headlights must be sealed LED		
2.8.5	Sealed wiring and connections for all lighting		
2.8.6	Four corner amber warning LED strobe lights		
2.8.7	Four-way emergency lights		
2.8.8	Halogen headlights including daytime running lights		
2.8.9	Battery saver		
2.8.10	Fog Lights		
2.8.11	Exterior mounted battery boost posts		
2.8.12	Roof mounted LED Marker lights		
2.8.13	Bottom of cab mounted LED marker lights		
2.8.14	Exterior mounted supplementary cab heater - diesel		
<b>2.9</b>	<b>Instruments and Controls</b>		
2.9.1	Power-Take-Off (PTO) hour meter, dash mounted		
2.9.2	Voltmeter		
2.9.3	Coolant temperature gauge		
2.9.4	Fuel level gauge		
2.9.5	Tachometer		
2.9.6	Speedometer/odometer in kilometers		
2.9.7	Transmission temperature gauge		
2.9.8	Air warning horn		
2.9.9	Backup warning system		
2.9.10	Electronic Logging Device		
2.9.11	Electronic Stability Control		
2.9.12	Engine information display		
2.9.13	Turbo Pressure Gauge		
2.9.14	Air Cleaner Restriction Gauge		
2.9.15	Air Pressure Gauge		
2.9.16	Oil Temperature Gauge Rear axle		
2.9.17	Dash mounted load gauge		
2.9.18	Dash mounted "Crane not Secure" warning gauge/light.		
2.9.19	Engine Fan override switch		
<b>2.10</b>	<b>Articulated Folding Hydraulic Crane</b>		
2.10.1	Supply and install front-mounted articulated folding hydraulic crane complete with all necessary hydraulics and hardware. Mounted behind cab.		
2.10.2	Total hydraulic outreach 49.2 feet (15m) minimum		
2.10.3	Able to lift minimum 20,723.5 lb (9400 kg) at 8.5 feet & 3,218.7 lb (1460 kg) at 49.2 feet		
2.10.4	Slew angle minimum 400 degrees		
2.10.5	Rotation stop point when pointing forward		
2.10.6	Equipped with a hydraulic rotator attachment with an upper suspension link for self-leveling.		
2.10.8	Maximum shaft diameter of 2.75 inches with a hole with a minimum		

	diameter of 0.9 inches and a maximum diameter of one (1) inch for the connecting pin of the lifting device		
2.10.9	Extra 6th hydraulic control for future attachment (hydraulic lock on lift device)		
2.10.10	Wireless remote control with remote engine start/stop		
2.10.11	Double acting outriggers / stabilizers with hydraulic extensions, mounted in line with crane		
2.10.12	Outrigger support pads and stowage mounts		
2.10.13	Forward stabilizers spread 160 inches minimum		
2.10.14	In-cab warning alarm for "crane not parked" condition		
2.10.15	AW32 synthetic or semi-synthetic hydraulic fluid with reduced environmental impact		
2.10.16	Weatherproof wiring and connections		
2.10.17	Hydraulic reservoir tank must be frame mounted, accessible for servicing and meet or exceed the specifications for the supplied crane.		
<b>2.11</b>	<b>Deck</b>		
2.11.1	Rub rails on both sides of deck		
2.11.2	Minimum: 102 inches wide (including rub rails)		
2.11.3	Length appropriate to final chassis dimensions and crane installation. 22 ft.		
2.11.4	LED amber marker/signal lights at mid-sides of deck		
2.11.5	Deck surface: Hardwood		
2.11.6	Transport Canada (DOT) compliant protective headboard covering all back of exposed cab.		
2.11.7	Headboard must be equipped with two (2) rear facing work lights and flashing amber strobe light		
2.11.8	Integrated step / ladder and grab handles for three (3) points of support, installed at front corners of deck to allow access		
2.11.9	LINE-X brand or equivalent coating on deck walking surfaces		
2.11.10	Anti-corrosion paint on remaining metal surfaces		
<b>2.12</b>	<b>Crib area</b>		
2.12.1	Must meet National Safety Code Standard 10 for Cargo Securement		
2.12.2	Side and rear crib walls must be a minimum of 48 inches high, be removable and fabricated of aluminum. With swing open rear doors. All sections not to exceed 48" in length.		
2.12.3	Two (2) aluminum storage boxes (one (1) per side), minimum 36 inches long with lockable doors, frame-mounted .		
2.12.5	Supports must be located a minimum of 20 inches from front or rear of crib.		
2.12.6	Must not interfere with load securement		
2.12.7	Must have rear aluminum doors with tie back hooks. All side panels must be aluminum and be removable		
2.12.8	Stowage mounts for 2 outrigger pads		
<b>2.13</b>	<b>Load securement</b>		
2.13.1	Winches/ratchets must be on driver's side of deck.		
2.13.2	Winches/ratchets, anchors/tie downs must be mounted under side of box.		
2.13.3	All applicable deck surface edges must be rounded so as to minimize wear of load securement straps.		
2.13.4	Must meet National Safety Code Standard 10 for Cargo Securement		