ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-1	1. SCOPE			
TAV S-2	This specification			
	states the			
	requirements of			
	Transport Canada			
	(TC) for the Track			
	Assessment			
	Vehicle (TAV) Hi-			
	Rail, Track			
	Geometry System			
	installation and			
	TAV			
	Customization			
	Specification,			
	which covers:			
TAV S-3	a) The			
	acquisitio			
	n and	R		
	installatio	The state of the s		
	n of hi-			
	rail			
	systems			
	on three			
	(3) TAVs;	06/06/2017 10095		

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-4	b) The			
	installatio			
	n of track			
	geometry			
	systems			
	on three			
	(3) TAVs;			
	and			
TAV S-5	c) The			
	customiza		The second secon	
	tion of			
	three (3)			
	TAVs to			
	create a			
	finished			
	vehicle to			
	be used		Τ	
	for Rail			
	Safety			
	Inspectio			
	ns.			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
.5	Customization	i ictaic 1	i ictaic 2	i ictaic 5
	Requirements			
	Specification			
TAV S-6	Pictures			
1AV 3-0				
	illustrating many of the			
	specification			
	criteria are			
	included in			
	Appendix A7. The			
	Specification ID			
	(e.g. TAV S-6) in			
	the caption of			
	each picture			
	indicates the			
	particular items			
	the picture is			
	illustrating.			
TAV S-7	2. APPLICABLE			
	DOCUMENTS			
TAV S-8	Canadian			
	Occupational			
	Health and Safety			
	Regulations,			
	SOR/86-304.			
TAV S-9	3. REQUIREMEN			
	TS			
TAV S-10	3.1 GENERAL			

ID	TAV Hi-Rail and	Appendix A7 – TAV Customization – Picture Picture 1	Picture 2	Picture 3
שו	Customization	rictule 1	Ficture 2	Ficture 3
	Requirements			
	Specification			
TAV S-11	TC will be	-		
	acquiring,			
	separately, and	and the same of th		
	will provide, for		2	
	the purpose of	The state of the s		
	this contract,	110		
	three (3) 2018			
	Chevrolet Sierra			
	2500HD 4x4 as			
	detailed in			
	Appendix A3,			
	which will be the			
	base vehicle for			
	the finished TAVs.			
TAV S-12	TC will acquire,			
	separately, and	The second second		
	will provide, for			
	the purpose of			
	this contract,	1		
	three (3) Andian			
	Track Geometry	- 10		
	Kit Systems as		Alle	
	detailed in			
TAN / C 42	Appendix A4.			
TAV S-13	3.2 BASE CHASSIS			
	VEHICLE			
TAV/ C 1.4	ADDITIONS			
TAV S-14	3.2.1 General			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-15	The TAV base			
	chassis must have			
	front and rear			
	side window			
	weather			
	deflectors;			
	WeatherTech			
	84740 dark			
	coloured or			
	accepted			
	equivalent.			
TAV S-16	The TAV base			
	chassis must have			
	heavy-duty mud			
	guards for the			
	front and rear			
	wheels; Luverne			
	Universal 3/8" x			
	12" x 23" black			
	with stainless			
	trim, model			
	251223 or			
	accepted			
	equivalent.			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization		133375 =	
	Requirements			
	Specification			
TAV S-17	Each TAV base chassis must have two (2) additional key fobs and three (3) additional keys, in addition to the two (2) fobs and four (4) keys delivered with each base vehicle.			
TAV S-18	All vehicle keys and key fobs must be programmed to operate the vehicle and operate all locks on the vehicle and the workspace cap.			
TAV S-19	3.2.2 Vehicle Suspension			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization	TIGORIC I	1100010	i iotale o
	Requirements Specification			
TAV S-20	The TAV base chassis must have an air suspension system, Loadlifter 5000 Ultimate or accepted equivalent, installed on the rear axle.			
TAV S-21	The manual air filler valves for the air suspension system must be installed in the driver side workspace cap compartment.			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization	Trocare 1	11000102	i locale o
	Requirements			
	Specification			
TAV S-22	The TAV must			
1AV 3-22	have a		- 5 5	
	WirelessAIR Gen			
	3 Kit 72000			
	automatic		IND LE IND	
	leveling digital			
	on-board			
	compressor	III Contract		
	system with			
	wireless			
	controller, or			
	accepted			
	equivalent,			
	connected to the			
	air suspension			
	system.			
TAV S-23	The air			
	compressor for			
	the WirelessAIR			
	Gen 3 system			
	must have direct			
	BATT+ and BATT-			
	connections and			
	not use chassis			
	grounding.			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-24	The air filter for	STERRY		
	the WirelessAIR			
	Gen 3 Kit 72000	51		
	compressor must			
	be installed in the			
	driver side			
	workspace cap	1/6		
	compartment to			
	enable			
	accessibility for			
	servicing the air			
	filter assembly.			
TAV S-25	The base chassis			
	must have			
	Timbren SES			
	dampers,			
	GMFK25D or	The second of		
	accepted			
	equivalent, installed on the			
		Comment of the Commen		
	front suspension.	10000000000000000000000000000000000000		
	1			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
ם ו	Customization	Picture 1	Picture 2	Picture 5
	Requirements			
	Specification			
TAV S-26	The TAV base	AND DESCRIPTION OF THE PARTY OF		
TAV 3-20	chassis must have		The state of the s	
	a 2-inch front end			
	lift kit installed, or	A STATE OF THE STA		
	accepted			
	alternative, to		(D) (最大統領	
	enable adequate			
	height of the	A STATE OF THE PARTY OF THE PAR		
	chassis for proper	AND DESIGNATION OF THE PARTY OF	31/2 22 34 34	
	hi-rail and Andian			
	Track Geometry			
	System contact			
	gauge			
	installation.			
TAV S-27	3.3 TRACK			
	GEOMETRY			
	SYSTEM			
TAV S-28	The provided			
	Andian Track			
	Geometry	BOX 10,000		
	SolidTrack system	7 2 2 5	1	
	box must be	GEO BOX DRAWER		
	installed in the			
	workspace cap of	7-76.560 / - 7	i [†]	
	the TAV in			
	accordance with	ESPAR B4 17.000 - 15.625		
	(IAW) installation	H= 14.803 =		
	guidance	p_	-	
	provided by TC			
	and included in			
	Appendix A3.			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-29	The TAV track			
	geometry system			
	must be powered			
	by an auxiliary			
	12V battery.			
TAV S-30	The TAV front-			
	mounted contact			
	gauge system is			
	recommended to			
	be installed in			
	conjunction with		1	
	the installation of		THE RESERVE TO THE RE	
	the front hi-rail	-0"		The state of the s
	system to ensure			
	proper height			
	measurements	MATTER STATE OF THE STATE OF TH		
	for adjustment of			
	the hi-rail guide			
	wheel pressures			
	and operating			
	height of the			
	front-mounted			
	contact gauge			
	system.			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-31	The air filter			
	system for the			
	Andian			
	compressor that			
	operates the	FI VIII		
	front-mounted			
	gauge must be			
	installed in the			
	driver's side			
	workspace cap	2// (2 11 11 11 11 11 11 11 11 11 11 11 11 11		
	side			
	compartment to			
	enable			
	accessibility for			
	servicing the air			
TAV S-32	filter assembly. 3.4 HI-RAIL			
TAV S-33	The TAV must be			
174 3 33	equipped with a	Charles of the Control of the Contro	\$ A	
	RAFNA R290, or		A. A.	
	accepted			
	equivalent, hi-rail	4	A PART OF A	
	system with full			
	up/down			
	hydraulic inside			
	controls.			
			1991	

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization Requirements Specification			
TAV S-34	The TAV hi-rail system must include an emergency hand pump.			
TAV S-35	The TAV hi-rail system must include front and rear rail sweeps.			
TAV S-36	The TAV hi-rail system must include front and rear hydraulic auto locks.			

ID	TAV Hi-Rail and	Appendix A7 – TAV Customization – Picture Picture 1	Picture 2	Picture 3
lo lo	Customization Requirements Specification	Picture 1	Picture 2	Picture 5
TAV S-37	The TAV hi-rail pump and controls must to be installed under the 2 nd row left (driver side) seat in a metal enclosure with a removable metal cover.			
TAV S-38	The front outside hi-rail controls must be mounted in the grille area pointing downward to eliminate accumulation of water, snow or ice.			
TAV S-39	The rear outside hi-rail controls must be mounted in the step pocket area of the rear bumper.			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-40	All hi-rail guide			
	wheel pressures			
	must be set with			
	30 psi air			
	pressure in each			
	rear air bag.			
	Initial hi-rail guide			
	wheel pressures			
	to be within			
	range of 500-550			
	Ib pressure for			
	front guide			
	wheels and 550-			
	600 lb pressure			
	for rear guide			
	wheels as per			
	Rafna installation			
	guidance			
	recommendation			
	S.			
TAV S-41	The TAV must			
	have five (5)			
	Goodyear G622-			
	RSD/225/70R19.5			
	radial tires, or			
	accepted			
	equivalent,			
	mounted and	6 ens		
	balanced on			
	aluminum rims			
	compatible with			
	the hi-rail system.			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-42	The TAV must be			
	delivered with			
	four (4) Michelin			
	XDS2/225/70R19.			
	5 radial tires, or			
	accepted			
	equivalent,			
	mounted and			
	balanced on			
	aluminum rims			
	compatible with			
	the hi-rail system.			
TAV S-43	All nine (9) TAV			
	aluminum wheels			
	must be installed			
	with tire pressure			
	monitoring			
	sensors (TPMS).			
TAV S-44	All nine (9) TAV			
	tires must be			
	filled with 85 psi			
	nitrogen.			
TAV S-45	The TAV			
	speedometer			
	must be			
	recalibrated for			
	19.5 tires.	<u> </u>		

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-46	Snow plow	NEW TOWNS AND THE PARTY OF THE	Markers centered over guide wheels.	
	markers, yellow		14 - 1	
	or fluorescent			
	orange, 40 inches			
	high, must be			
	installed on the			
	front gauge	CP-		
	assembly and			
	centered over the	CATALON CONTRACTOR OF THE PARTY		
	guide wheels to	17		
	enable TAV			
	operators to	CACHE LAND OF		
	determine the			
	location of the			
	front of the gauge			
	system when in			
	the stored			
	position.			
TAV S-47	3.5 WORKSPACE			
	CAP			
TAV S-48	3.5.1 GENERAL			
TAV S-49	The TAV must be	A AND A STATE OF THE STATE OF T	The state of the s	
	supplied with a			Etc.
	SpaceKap			
	Compak		SPACEKAP	A DU B
	workspace cap, or		COMPAR	
	accepted			
	equivalent,		TAV-609	
	matched to the			() () () () () () () () () ()
	base chassis.			10
			3.4	

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-50	The TAV			
	workspace cap			
	colour must be			
	the same colour			
	as the base			
	chassis (GM GBA-			
	black).			
TAV S-51	The TAV			
	workspace cap			
	doors must be			
	weather-proof to			
	reduce dust and			
	water infiltration.			
TAV S-52	The TAV	1189		
	workspace cap	N SALA		
	must include	THE PARTY OF THE P		
	heavy duty, rust	ALL MAIN	TOTAL DE LA CONTRACTOR	
	resistant hinges			
	and latching	ALT THE RESERVE TO THE PARTY OF		
	systems with		SS Seat	
	dampers or		15-7-7-12-A	
	retainers on all		15-7-725M	
	doors designed to			
	protect the side			
	and rear doors			
	from damage,			
	such as in windy			
	conditions.			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-53	The TAV workspace cap latching systems must be capable of being locked and unlocked with the base chassis key fob and enable secondary locking with padlocks.			
TAV S-54	3.5.2 LIGHTING AND ELECTRICAL			
TAV S-55	The TAV workspace cap must have Light Emitting Diode (LED) lighting in the luggage storage area, the tool storage area and each side door area of the workspace cap.		AP-70963	

	1	Appendix A7 - TAV Custoffization - Picture		
ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-56	The TAV	• 1		
	workspace cap	WENT AND		
	must be provided			
	with two (2) 12V,			
	10-amp power			
	outlets inside the			
	workshop cap,			
	one on each of			
	the driver and			
	passenger side at			
	the rear of the			
	hanging			
	aluminum	AP -711969		
	cabinets, or			
	accepted			
	alternative, to			
	power a portable			
	fridge/cooler and			
	a charging			
	station.			

			s to Accompany Specifications RDIMS-#132	
ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization Requirements			
	Specification			
TAV S-57	The TAV			SAME I
17.0 3 37	workspace cap		The same of the sa	
	must be provided		A	
	with a 120V 900			22000
	Watt heater,			20000
	ZeroStart 260-			*****
	0900 Little Buddy	• • • • • • • • • • • • • • • • • • • •		0000
	or equivalent			
	alternative, with a			
	shut-off switch			
	accessible from	h and		633.00
	the driver's side			
	of the luggage			
	storage area.			
TAV S-58	The TAV			
	workspace cap			
	must be provided			
	with a gasoline-	AIRTRONIC		
	fired heater,		are make	
	Espar Airtronic B4			
	with Digimax			
	Controller, or			
	accepted			
	equivalent, that may be used			
	when the vehicle	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		
	is being driven.			
	is being unveil.			

15	TAV/ Hi: Dail and	Appendix A7 – TAV Customization – Picture		
ID	TAV Hi-Rail and Customization Requirements Specification	Picture 1	Picture 2	Picture 3
TAV S-59	The TAV workspace cap heating system controls must be accessible from the driver side of the cap.			
TAV S-60	The TAV must include a shore power connection, Super Auto Eject 091-55-15-120 or accepted equivalent, installed in the upper front driver side of the workspace cap.			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
10	Customization	rictale 1	Ficture 2	ricture 5
	Requirements			
	Specification			
TAV S-61	The TAV must			
	have a dual			
	battery charger-			
	maintainer	. 67		
	connected to the		10 0 cm 100	
	primary and		3 = 3	
	auxiliary		1911	
	batteries, Xantrex			
	Truecharge2 or	8		
	accepted			
	equivalent,			
	installed in the			
	driver's side			
	workspace cap			
	side			
	compartment to			
	enable			
	accessibility.			
TAV S-62	3.5.3 LUGGAGE &			
	SUPPLIES			
	STORAGE			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-63	The TAV			
	workspace cap	0		
	rear doors must			
	be equipped with	1000		
	storage bins with			
	rain proof covers			
	to accommodate			
	safety			
	equipment, such	FIRST		
	as the first-aid kit			
	identified in	ALL STATE OF THE S	(
	Section 3.11	THE RESTRICTION OF STREET	8	
	Safety Features.			
		THE STATE OF THE S		
		The state of the s		
			2	

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-64	The TAV			
	workspace cap	3		
	must have			
	cabinetry,			
	constructed from			
	aluminum type			
	5052-H32 0.100			
	or 0.125	A STATE OF THE STATE OF		
	thickness, or			
	accepted	The second secon		
	equivalent, with			
	rubber shelf liner.			
TAV S-65	The TAV			
174 3 03	workspace cap	THE OWNER OF THE OWNER OWNER OF THE OWNER		
	must have a full-			
	width 30-inch			
	wide luggage			
	shelf, accessible	00		
	from the cap side			
	doors at the front			
	of the cap. The			
	storage shelf	13		
	must have			
	removable panels			
	that separate the	*		
	luggage area from			
	the tool storage	THE STATE OF THE S	1	
	area.			

10	TAV/III Dail a cd		es to Accompany Specifications RDIMS-#132	
ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
- 1116.66	Specification			
TAV S-66	The TAV			\ \ \ \ \ \ \ \ \ \ \ \
	workspace cap			
	must have		The second secon	
	hanging cabinets		The state of the s	Mea &
	accessible from			
	cap side doors			
	and provide areas	A STATE OF THE STA		
	for storage of			
	spare parts,	THE RESERVE OF THE PARTY OF THE		First Aid Kit
	various supplies,			
	inspection tools			
	and working			
	tools.			
TAV S-67	The TAV	1 2/11/	I	
	workspace cap		GEO BOX	
	hanging side	The state of the s		
	cabinets must			
	provide at least		CPARE TIRE removable plate DRAWER	
	two (2) hanging		The state of the s	
	hooks in the	1		
	luggage storage			
	area on the ends		ESPAR 84	
	of the side	14411/100		
	cabinets suitable		cooler	
	for hanging	///// [1] 斯····································		
	extension cords.			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-68	The TAV			
	workspace cap	24		
	hanging side			
	cabinets must	The state of the s		
	provide two (2)			
	vertical shelf	The second secon		
	areas and two (2)			
	horizontal shelf			
	compartments on		removable	
	each shelf in the		ESPAR 84	
	cap side door		14,003	
	area. The divider			
	on the top shelf			
	must be			
	removable to			
	enable larger			
	storage			
	compartment if desired.			
TAV S-69	The TAV			
1AV 3-09	workspace cap			
	hanging side			
	cabinets must			
	provide larger			
	hanging hooks on	THE RESERVE OF THE PERSON OF T		
	the ends of the			
	side cabinets in			
	the tool storage			
	area to enable	100		
	hanging of coats			
	or rainwear.	AF-70969		

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization	Tictale 1	Trecore 2	Tietale 3
	Requirements			
	Specification			
TAV S-70	The TAV			
	workspace cap			
	hanging side	TVA		
	cabinets must			
	provide at least			
	three (3) large			
	hanging hooks on			
	the back side of			
	each side cabinet			
	in the tool		OF A A	
	storage area to			
	enable hanging of	ENCL.		
	booster cables,	A STATE OF THE PARTY OF THE PAR		
	rainwear or other		AP+70969	
	large, bulky			
	items.			
TAV S-71	3.5.4 TOOL			
	STORAGE			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-72	The TAV			
	workspace cap			
	must have a			
	spare tire storage		***	
	shelf, or accepted			
	alternative, under	33.1		
	the luggage			
	storage shelf.			
	Removable	27.800		
	panels must be	Ø 3225		
	provided as	0.0	7/	
	necessary to			
	enable access to			
	the Andian			
	system kit box for			
	maintenance. The			
	spare tire must			
	be secured when			
	stored and the			
	design must			
	incorporate materials to			
	reduce friction			
	and aid in the			
	placing or			
	removal of the			
	tire from the			
	storage area.			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-73		45.000 BOX 10.000 DRAWER 17.000 15.625	Lockable drawer is shown under spare tire and behind ARB cooler. Open area to left is for storage of long tools on workshop cap floor.	
	the floor on the driver side of the rear workspace cap, adjacent to			
	the lockable storage drawer.			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-74	The 120V heater			
	and the gas-fired	MAN .		
	heater in the TAV			
	workspace cap			
	must be	00000		
	protected with	22200		
	vented aluminum	22,000		
	panels designed	00000		
	to protect the	00000		
	heaters from	1000		
	damage and to			
	enhance air			
	circulation within	000000		
	the tool storage			
	area of the TAV			
	workspace cap.			

TAV S-75

The TAV workspace cap must provide three (3) stacked storage slots, 11.5 inches wide and 70 inches deep, on the passenger side floor of the workspace cap. The lower slot, a 7.5 inch high storage pocket, the middle slot a 5 inch high latched aluminum sliding drawer with end handle, and the upper slot a 7.5 inch high latched aluminum sliding drawer with end handle and provision to hang a Geismar inspection gauge. The sliding drawers must incorporate materials to ease the sliding of the drawers when opening or closing.

Note three stacked pockets. Top and center

Pockets are sliding shelves with locking latch and handle (not shown) to assist in opening and closing sliding drawers.



Upper sliding pocket for gauge



Center sliding drawer for long, heavy tools



Bottom long pocket enables storage of aluminum rail measuring tool storage box and small working tool bag storage at open end.



ID	TAV Hi-Rail and Customization	Picture 1	Picture 2	Picture 3
	Requirements Specification			
TAV S-76	The TAV workspace cap must provide a 4- inch wide shelf on top of the storage slots with one (1) inch high shelf lip on the open ends and side. The shelf must have a see-through surround guard that is six (6) inches high, or accepted alternative, to enable viewing articles stored and to prevent articles from falling off the shelf. This shelf must not interfere with the opening of the refrigerator listed in Section 3.12.	Shelf is area on top of stacked pockets where the charging station is now located. Charging station to be relocated.	The charging station to be relocated perhaps higher on the back of the side shelving.	
TAV S-77	3.6 ELECTRICAL SYSTEM			
TAV S-78	3.6.1 ELECTRICAL - GENERAL			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-79	Chassis electrical			
	ground must not			
	be used for the			
	installation of any			
	12VDC			
	equipment or			
	accessories			
	installed in the			
	TAV.			
TAV S-80	The TAV must			
	have an auxiliary			
	12V HD	* -11		
	absorbent glass	100		
	matt (AGM)			
	starting battery,			
	Odyssey 78-	EXCLUSION AND PROPERTY.		
	PC1500 or			
	accepted	IE TO		
	equivalent,			
	installed in the			
	second battery			
	tray in the engine			
	compartment.			
TAV S-81	The primary and			
	auxiliary batteries			
	in the TAV must			
	have the BATT- to			
	each battery			
	direct connected			
	using minimum 1			
	gauge cable.			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-82	All 12VDC			
	equipment and	-	V	
	accessories must			
	be direct wired			
	(power positive	0		
	BATT+ and power	The state of the s		
	negative BATT-)			
	to the auxiliary			
	battery or to		No. of the second	
	remote BATT+			
	and BATT- buses			
	located in the			
	rear seating area			
	of the TAV and in			
	the rear			
	workspace cap			
	area of the TAV,			
	Blue Sea Systems			
	2722 or accepted			
	equivalent			
	location unless			
	otherwise			
	specified for			
	certain			
	equipment.			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-83	Power positive			
	(BATT+) and			
	power negative			
	(BATT-) buses			
	must be installed			
	using minimum 4			
	gauge cable for			
	under nine (9)			
	feet runs,			
	minimum 2 gauge			
	cable for runs			
	between 9 and 15			
	feet, and			
	minimum 1 gauge			
	cable for runs			
	exceeding 15			
	feet, or accepted			
	equivalent.			
TAV S-84	The Very High			
	Frequency (VHF)			
	radio in the TAV			
	must have direct			
	wiring, minimum			
	12 gauge, to the			
	auxiliary battery			
	for BATT+ and			
	BATT A relay			
	must be used to			
	enable the relay			
	control system			
	controller to			
	power the VHF			
	radio.			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-85	The TAV primary			
	laptop must be			
	direct wired using			
	a 12VDC adaptor			
	connected			
	directly to the			
	auxiliary battery			
	BATT+ and BATT-	1		
	or the auxiliary			
	BATT+ and BATT-			
	buses.			
TAV S-86	The TAV must			
	have a bi-			
	directional			
	battery separator			
	with auxiliary			
	start, Eaton 1315-		100	
	200 or accepted		1 1 20	
	equivalent.			
		300 C		
		And Dogi		

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-87	The battery			
	separator/boost			
	system must be			
	connected using			
	minimum one (1)			
	gauge wire.			
TAV S-88	The boost function of the battery separator must be programmed into the relay control system controller.	HI- Rail 7 BOOST ST Comp A 5 6		

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-89	The TAV must			
	have a ZONE M8R	Dir.		
	eight (8) relay	I DE LA		
	control system, or			
	accepted		H-C - S	
	equivalent, to		Rail 7 BOOST S 9 10 2	
	enable activation		INVERTER ST Comp	
	of lighting		NVERTER ST Comp	
	systems, back-up		6 4 5 6	
	alarm, hi-rail			
	system, VHF			
	radio, among			
	other items, to be			
	operated by a			
	programmable			
	controller located			
	in the front			
	passenger area of			
	the vehicle cab.			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-90	The TAV must be			
	equipped with		Commence of the Commence of th	
	two (2) relay			
	control system			
	programmable		H- C	
	controllers to		Rail 7 BOOST 8 9 100 A 0	
	operate		NVERTER ST Comp	
	components and		NVERTER ST Comp	
	accessories	ST.	5 6	
	connected to the	Compa		
	relay control			
	system. One			
	controller is to be			
	connected to the			
	relay control			
	system, the			
	second controller			
	is a spare unit.			

ID	TAV Hi-Rail and Customization Requirements Specification	Picture 1	Picture 2	Picture 3
TAV S-91	The TAV relay control system must include a delay timer, or accepted alternative, that will enable devices specified within this document to be powered for one (1) hour whenever the ignition is OFF prior to shutting 12V power to all systems attached to the relay control system.	anguer (

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-92	The TAV must			
	have a minimum			
	600W full sine			
	wave 110V	1		
	inverter, Xantrex			
	Prowatt SW600,			
	or accepted			
	equivalent, with			
	front controlled			
	power switch to			
	provide power to	2113		
	the LCD monitor	601		
	and other	57		
	incidental 110V			
	devices.			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-93	The 600 full sine			
	wave watt			
	inverter installed			
	in the TAV must			
	have the chassis			
	ground wire,			
	minimum 8 gauge			
	wire, connected			
	directly to the			
	auxiliary battery			
	power negative			
	(BATT-). The			
	inverter BATT+			
	and BATT-			
	connections must			
	be directly to the			
	auxiliary battery			
	or to the installed			
	BATT+ and BATT-			
	buses.			
TAV S-94	The on/off switch	ATTENDED TO STATE OF THE PARTY		
	for the 600 W full			
	sine wave			
	inverter must be			
	programmed to	Rail ₇ BOOST 8 9 0 X		
	activate by the	INVERTER ST Comp		
	relay control	INVERTER 110VAC ST Comp		
	system controller.	4 5 6		

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-95	If the inverter			
	switch is set to			
	ON and the			
	ignition is			
	switched OFF, the			
	inverter must			
	remain powered,			
	using the 1-hr			
	delay timer on			
	the relay control			
	system.			
TAV S-96	The TAV must			
	have a three (3)			
	outlet extension			
	cord to provide			
	120V power to			
	the front			
	passenger seat			
	area to provide			
	120V power for			
	LED monitor and			
	USB powered			
	port.			

ID	TAV Hi-Rail and	Pict	ure 1	Picture 2	Picture 3
	Customization				
	Requirements				
	Specification				
TAV S-97	The TAV must				
	include a				
	waterproof	GH .		N STATE OF THE STA	
	backup camera,			1 在 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	ROSTRA 250-8147	100	100	10 国际 对连续用数友际影点	
	or accepted			THE STATE OF THE STATE OF	
	equivalent,	Tailgate Handle	Trunk Lid/SUV Liftgate		
	installed at the	Installation	Installation		
	back or on top of				
	the workspace				
	cap and				
	connected to			Charles and the second	
	OEM base				
	chassis' built-in			《 100 · 1	
	camera system.				

		Appendix A7 – TAV Customization – Pictures to Accompany Specifications RDIMS-#13225293
TAV S-98	The TAV must	
	include a	
	secondary backup	
	camera system,	
	ROSTRA 250-	
	8821-CCD or	
	accepted	
	equivalent, to be	
	installed at rear	
	of vehicle above	
	bumper license	
	plate. On-Star,	
	temperature and	6 15 17
	compass features	
	must be	
	maintained and	
	be functional in	
	the OEM	
	replacement	
	mirror. This	
	camera system	
	must be	
	programmed to	
	display to the	
	rear of the	
	vehicle in the	
	OEM replacement	
	rear view mirror	
	whenever the hi-	
	rail power feed is	
	activated in relay	
	control system	
	controller. A	
	remote control to	
	select features	
	such as	
	adjustable	

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
	parking grid lines			
	must be included			
	with this system.			
TAV S-99	The TAV must			
	include a front-			
	facing parking	22 rides attention harmonies 250 Visit Tape		
	camera, ROSTRA			
	250-8160-BSC or			
	accepted	4.E pignal		
	equivalent, to be			
	installed in the			
	front grille area of	Receipt lane for vertical or foreportal mounting		
	the TAV and			
	connected to the			
	video 2 input of			
	the ROSTRA 8821			
	OEM replacement			
	OnStar mirror.			
TAV S-100	3.6.2 ELECTRICAL			
	– LIGHTING			
TAV S-101	The TAV must			
	have four (4)	E 6		
	recessed front			
	grill mounted			
	beacon flashers	1 = 1		
	(white/amber			
	sequenced),			
	ProSignal MS6BH	Marie Control		
	or accepted	100		
	equivalent.	Mary Property of the second		

ID	TAV Hi-Rail and	Picture 1	s to Accompany Specifications RDIMS-#132 Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-102	The TAV grill-			
	mounted beacon flashers must be programmed through the relay control system controller so the circuit will only operate when the hi-rail circuit is activated.	HI- Rail y BOOST 8 ST Comp 4 5		
TAV S-103	The TAV must have low profile amber beacons, ProSignal 74613Z or accepted equivalent, located on the front and rear of workspace cap.			
TAV S-104	The TAV low profile amber beacons must be programmed through the relay control system controller so the circuit will only operate when the hi-rail circuit is activated.	Hi- Rail BOOST ROOST ST Comp A 5 6		

		Appendix A7 – TAV Customization – Picture		
ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-105	The TAV must			
	have one (1) LED			
	light bar, ZONE			
	67001Z 21.5 inch			
	8800 LM or			
	accepted			
	equivalent,			
	mounted at the			
	front of the	44.		
	vehicle above the			
	track geometry			
	gauge system or			
	in the lower grill			
	area to aid in low			
	lighting track			
	inspections.			
TAV S-106	The TAV front and	DX-Market 304 Stainless Steel		
	rear-mounted	Stainless Steel		A
	LED light bars	Θ		
	must be secured			
	in a manner to			The state of the s
	limit and deter			And the second s
	unintended			MAN ANT -
	removal of the			TO CALL CAST
	light bars.			27
			677	PARAMETER IN THE PARAMETER IN T
				Contract to A

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-107	The TAV front-			
	mounted light bar			
	must be			
	programmed			
	through the relay	1 2 3		
	control system	Hi- Rail, Boost		
	controller so the			
	circuit will only	NVERTER ST Comp		
	operate when the			
	hi-rail circuit is	4 5 6		
	activated.			
TAV S-108	The TAV must			
	have two (2) LED			
	light bars, ZONE	+		
	67011Z 13.5 inch			
	5280 LM or	CONTINUE		
	accepted	4		
	equivalent,	The same of the sa		
	mounted rear			
	facing on the rear	The state of the s		
	roof of the			
	workspace cap to	The state of the s		
	aid in visibility			
	when reversing			
	on track in low			
	light conditions.			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-109	The TAV rearmounted light bars must be programmed through the relay control system controller so the circuit will only operate when the	High Boost ST Comp		
	hi-rail circuit is activated.	4 5 6		
TAV S-110	The TAV must have four (4) LED auxiliary overhead headliner lights, Rosta CiteLite 260-1030 cool/white light or accepted equivalent, installed above each of the front and rear seats.			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization	I		
	Requirements	I		
	Specification	L		
TAV S-111	The TAV must			
	have a reversing	I		
	alarm that is	I		
	powered through	I		
	the relay control	I		
	system controller	I		
	to be active for	I		
	any reversing	I		
	movement when	I		
	the hi-rail circuit	I		
	is powered.			
TAV S-112	3.6.3 ELECTRICAL	I		
	– ACCESSORIES	<u> </u>		
TAV S-113	The TAV must	Section 1997 Control of the last of the la		
	have a 19-inch			
	4x3 format 120V			
	computer			
	monitor, ASUS			
	VB198T-P or			
	accepted			
	equivalent. The			
	monitor is for use			
	when inspecting	/8.5		
	in hi-rail mode			
	and is to be			
	stored in custom	19" 4:3 50M:1 DVI_D		
	rear console	19" 4:3 50M:1 DVI-D		
	when not on rail.	SCHEEN 1280X1024 CONTRAST	P. Control of the Con	

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-114	The TAV must			
	have three (3)			
	wireless portable	(D)		
	keyboards with			
	integrated laser			
	trackball and	- I I I I I I I I I I I I I I I I I I I		
	mouse buttons,			
	IOGEAR			
	GKM561R or			
	accepted			
	equivalent.			
TAV S-115	The TAV must			
	have a portable			
	USB 3.0 hard			
	drive, minimum			
	2GB.			
		-		

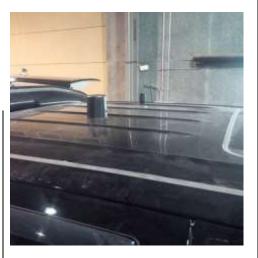
TAV S-116

The TAV must have a cell/SAT phone booster, Wilson Weboost 4G-X 470510F, or accepted equivalent, with low profile aftermarket antenna and cabling, PCTEL Maxrad Multi-Band BMLPVDB800/19 00S or accepted equivalent. The interior antenna for the cell/SAT booster must be installed in a location in close proximity to the front and rear consoles of the TAV. The cell/SAT phone booster must be hardwired and always 'ON' when the vehicle is running. The cell booster is to remain powered, using the 1-hr delay timer on the relay control system



weBoost Connect 4G-X





ID	TAV Hi-Rail and Customization Requirements Specification	Picture 1	Picture 2	Picture 3
	when the ignition is switched off.			
TAV S-117	The TAV must have a 120V heavy-duty extension cord, minimum 3 wire 12 gauge and minimum 20 feet in length.			
TAV S-118	3.7 VEHICLE CAB			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-119	The TAV rear			
	60/40 seat			
	provided with the			
	base chassis must	· ·		
	be modified to	The same of the sa		
	provide bucket	Man with /		
	rear seats and			
	allow installation			
	of a custom	BENEFIT IN		
	console for		TO A STATE OF THE PARTY OF THE	
	computer			
	equipment			
	storage. It is	THE REAL PROPERTY AND ADDRESS OF THE PERSON		
	preferred that the			
	base chassis			
	armrest remain			
	intact and			
	functional for the			
	modified			
	40/20/40 rear			
	seating			
	configuration.			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-120	The TAV base chassis must have a full coverage floor liner in the front seating area; WeatherTech 445431 black in colour, or accepted equivalent.			
TAV S-121	The TAV base chassis must have a full coverage floor liner that extends under the rear seats of the rear passenger area; WeatherTech 445422 black in colour, or accepted equivalent.			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-122	The TAV base	===		
	chassis must have			
	heavy duty	ALCOHOLD .		
	removable rubber			
	floor mats for the			
	front passenger			
	area,	SUMMING ASSESSMENT OF THE PARTY		
	WeatherTech			
	W309, or			
	accepted			
	equivalent.			
TAV S-123	The TAV cab must			
	include heavy			
	duty matt			
	protectors for the	Y CHANGE OF THE PARTY OF THE PA		
	front and rear cab			
	occupants,	2 - 33		
	Weathertech			
	446071-445422			
	or accepted	Continuition (See Automobile)		
	equivalent, with the rear seat area			
	requiring full			
	width 2 nd row			
	under seat			
	coverage.			
	coverage.			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-124	The TAV base			
	chassis must have			
	a heavy duty			
	removable rubber			
	floor mat for the			
	rear seating area,			
	GM 22858823 or			
	accepted			
	equivalent. The rear rubber floor			
	mat may be cut			
	to enable fitment			
	against the			
	custom rear			
	console.			
TAV S-125	The TAV cab must			
	include a			
	powered USB hub			
	with a minimum			
	of four (4) USB			
	ports in the front			
	passenger seating			
	area to allow for	6 10		
	connection to the			
	track geometry			
	system laptop.	0		

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-126	The TAV cab must	Note: Laptop mounted on top of custom	Front (raised) portion of custom rear	Rear (lowered portion) of custom rear
	include an	console when TAV used for inspection	console with storage for two laptops,	console with additional storage under
	aluminum,	purposes. Two-piece lockable lid. Front	full-sized monitor, portable keyboard,	factory arm rest.
	lockable, hinged,	portion pivots forward; rear portion	portable hard drive.	
	custom storage	pivots to rear. Note location of rear radio		
	console, or	controls.		
	accepted		The second secon	
	equivalent,		Marie Carried	
	between the rear			1 1/24/1
	seats to stow a	, Jo		
	back-up laptop,	C DE		
	system laptop,			
	system monitor			
	that is up to 21-			
	inch and two (2)		1000	
	wireless			"
	keyboards. A			
	double-hinge lid			
	is desirable to		9	
	enable access to			
	the console when			
	the system laptop			
	is installed. The			
	console must			
	provide			
	integrated			
	outside 1.5 inch			
	deep pockets to			
	store pads of 8-			
	1/2 x 11 inch			
	forms.			

ID	TAV Hi-Rail and Customization Requirements Specification	Picture 1	Picture 2	Picture 3
TAV S-127	The TAV cab must include a custom laptop mount on the top of the custom rear console to secure the system laptop and enable viewing of that laptop by the rear passengers. All cables and connections to the laptop must be protected and secured on this mount.			

		Appendix A7 – TAV Customization – Picture	s to Accompany Specifications Rulivis-#152	223293
TAV S-128	The TAV rear seating area must			This photo shows the space between the OEM front console and the custom
	have additional			rear console. Customization of this
	air circulation for			area is acceptable to provide
	the rear seat			additional, control air circulation to
	occupants by means of an	E. Carrier		rear passenger compartment.
			A .	
	adjustable speed			
	fan(s) and	1	The state of the s	
	adjustable	9	The same of the sa	AVA A
	vents/venting or			
	an accepted			
	alternative.			
	Options may			
	include			
	installation of low			
	profile fan(s) in		39-503	1000
	the area(s)			100
	between the			100
	front and rear			
	consoles and/or		Ī	
	behind/under the			
	rear seats with			
	venting/vents run			
	under and along			
	the front of the			
	custom rear			
	console and/or			
	the opening			
	between rear			
	seats directly			
	behind the			
	custom rear			
	console.			
TAV S-129	3.8 VHF RADIO			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-130	The TAV must			
	include a		1	
	Kenwood NX-			
	700K VHF 30W			
	(159-162 MHz),			
	or accepted			
	equivalent,			
	programmable			
	radio suitable for			
	railway			
	communications.			
TAV S-131	The TAV VHF			
1AV 3-131	railway radio			
	must include			
	PA/Horn alert			
	option KAP-2, or			
	accepted			
	equivalent. This			
	option is used to			
	provide a relay			
	circuit to power			
	the two external			
	VHF radio			
	speakers			
	mounted on the			
	exterior of the			
	TAV.			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-132	The TAV VHF			
	railway radio			
	must be			
	programmed			
	using the			
	programming			
	code plugs			
	provided by the			
	Technical			
	Authority.			
TAV S-133	The TAV VHF	Front (primary) radio head and controls	Rear radio head controls.	
	railway radio			
	must include dual	William Co.		
	control head kit,			
	Kenwood KUT-		3	
	KRK-13 or		650	
	accepted			
	equivalent, to			
	enable radio	The second secon		
	control use from			
	either the front or	CNO1 (51-87)		
	rear seating area.			
		Mary Company of the C		
		(0)		

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-134				
	railway radio		and the second second	
	must include a			
	low profile			
	external roof			
	mounted			
	antenna, TRABT1560 or			
	accepted			
	equivalent.			
	- cquiraionei		tain.	
TAV S-135	The TAV VHF			
	railway radio			
	must include			
	three (3)			
	microphones with			
	keypad, Kenwood	000		
	KMC-36 or			
	accepted	7		
	equivalent.			

ID	TAV Hi-Rail and Customization Requirements Specification	Picture 1	Picture 2	Picture 3
TAV S-136	The TAV must include mounted, weatherproof external speakers, SPC-10 or accepted equivalent; one mounted behind the front grille pointing downward and one mounted on the workspace cap at the rear of the vehicle facing rearward.			
TAV S-137	3.9 TOOLS			

ID	TAV Hi-Rail and	Appendix A7 – TAV Customization – Picture Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-138	The TAV will be			
	supplied with			
	track inspection			
	tools, vehicle and			
	system			
	maintenance			
	tools, various			
	equipment and			
	supplies. This			
	material may be			
	obtained as part			
	of the			
	Customization			
	Contract by			
	means of Option			
	Bid Price or			
	directly by			
	procurement by			
	Transport			
	Canada. A list of			
	all tools,			
	equipment and			
	supplies is			
	included as			
	Appendix A6.			
TAV S-139	3.10 SAFETY			
	EQUIPMENT &			
	FEATURES			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-140	The TAV must be			
	provided with a			
	Type A first aid kit			
	augmented with			
	additional first aid			
	supplies and			
	equipment for			
	remote			
	workplaces IAW			
	Canadian			
	Occupational			
	Health and Safety			
	Regulations,			
	SOR/86-304.			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-141	The TAV first aid		First aid sticker on outside door.	First aid sticker on inside door.
	kit must be			
	secured in the			3-
	inner storage			
	pocket on the	A Carlos		
	large right rear			
	door of the TAV			
	workspace cap in		The second second second	
	a manner that	E.	S southern	
	enables easy	FIRST	COMETE:	
	access and	The state of the s		
	removal or the		TAV-610	
	kit. A protective			
	cover must be			
	installed to		A HAD GOT	
	prevent rain from		THE OOD	
	wetting the first			
	aid kit when the			
	rear cap doors		STREET, STREET	
	are opened.		TOTAL TRANSPORT OF THE PARTY OF	

ID	TAV Hi-Rail and Customization Requirements Specification	Picture 1	Picture 2	Picture 3
TAV S-142	The TAV must include a railway flagging kit including a red flag on a staff and at least 8 red fusee flares secured at the open end of the tool storage area in the TAV workspace cap in a manner that enables easy access and removal of the kit.			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-143	The TAV must			
	include an			
	emergency			
	roadside safety			
	kit, including			
	reflectorized			
	triangles and			
	flares, secured at			
	the open end of			
	the tool storage			
	area in the TAV			
	workspace cap in a manner that			
	enables easy	THE RESERVE OF THE PERSON OF T		
	access and	The state of the s		
	removal of the			
	kit.			
TAV S-144	The TAV must		Fire extinguisher sticker on rear door.	
	include a			
	minimum 5 lbs			
	ABC Fire	20		
	Extinguisher, or	B.		
	accepted		The second second	
	equivalent,	91	S marin	
	mounted on the		COMES!	
	end of the			
	hanging cabinets		TAV-810	
	in the tool storage area of			
	the TAV		HKR 884	
	workspace cap.			
	ornopace cap.			
			Accompany of the Control of the Cont	

			s to Accompany Specifications RDIMS-#132	
ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-145	The TAV must			Note grip assist above doors.
	include a	Stourns		
	minimum of eight	vent d'évaluetion	AND	The second second
	(8) 3-point grip	de la voit		
	assist handholds;			
	four (4) to be			
	installed for front			
	and rear doors of			
	the vehicle cab			
	and four (4) to be			
	located on the			
	rear cap to			
	enable safe		AP-70965	HAR BA
	access to the cap			
	storage areas.			
TAV S-146	The TAV must			
	include a custom,			
	removable rear			
	step for the rear			
	receiver hitch to			
	provide safe	Children and Children		
	access to the rear	HAK 004		
	tool storage area			
	of the TAV	STATE OF THE PERSON NAMED IN		
	workspace cap.		l	
	The height of the	THE PERSONS AND PERSONS ASSESSMENT		
	lower step must	1.4.Dictional of	l	
	provide 14-inches			
	clearance when	The state of the s	l	
	off-rail.			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-147	The TAV custom			
	rear step should			
	include an			
	additional fold-			
	down or spring-			
	loaded assist step			
	to the rear that			
	can be deployed			
	when the vehicle			
	is used in hi-rail			
	mode and			
	secured for			
	storage when the			
	vehicle is used for			
	road travel. When			
	used in hi-rail			
	mode, the entire			
	vehicle is raised			
	approximately			
	eight (8) inches.			
	The assist step			
	should reduce			
	distance to the			
	first rigid step by			
	3 to 6 inches.			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-148	The TAV base			
	chassis must	A STATE OF THE STA		
	include custom	A TOP OF THE PARTY		
	manufactured			
	aluminum, or			
	accepted			
	alternative			
	material, open			
	grate style			
	running boards	A CONTRACTOR OF THE SECOND		
	that extend for			
	the entire area	が 大名の前に 10mm からから 20mm からり 20mm からから 20mm からから 20mm からから 20mm からから 20mm からから 20mm からから 20mm からり 20mm		
	between the			
	front and rear			
	wheels to enable			
	access to the rear			
	cap storage area			
	and the truck cab			
	while on rail. The			
	mounts for the			
	running boards			
	must provide 12-			
	inches clearance			
	to the ground.			
	The distance from			
	level ground to			
	the top running			
	surface of			
	running boards			
	must not exceed			
	14-inches.			

ID	TAV Hi-Rail and	Picture 1	S to Accompany Specifications RDIMS-#132 Picture 2	Picture 3
	Customization			1.5555
	Requirements			
	Specification			
TAV S-149	All TAV wiring, pneumatic and hydraulic lines must be organized and labelled with tags and protected as necessary in looming.	Extractor management of the contract of the co		
TAV S-150	3.11 DECALS			
TAV S-151	The TAV must be supplied with decals IAW Appendix A5. TAV-811 must have decals with French wording first; TAV-812 and TAV-813 must have decals with English wording first.	Transports Canada Vérification de Compliance la conformité Monitoring Canada	Compliance Verification de la confamilie Canada autora est	
TAV S-152	The TAV decals must be installed as follows:			

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization	Tietare 1	rictare 2	Ticture 3
	Requirements			
	Specification			
TAV S-153	a) One (1) on the driver's door;	In Calledia Calledia Calledia		
TAV S-154	b) One (1) on the front passenger's door;	This age of the control of the contr		

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization			
	Requirements			
	Specification			
TAV S-155	c) One (1) on the right rear workspace cap door with a vehicle identification including fleet number (e.g TAV-8xx);	SPACEKAP COMPAR TAV-609		
TAV S-156	d) One (1) on the passenger side door of the workspace cap;	Itansport Canada Sécurité Rail Sécurité Saîety ferroviaire Track Véhicule Assessment d'évaluation Vehicle de la voie		

ID	TAV Hi-Rail and	Picture 1	Picture 2	Picture 3
	Customization	Tictare 1	Tietare 2	i ictare 3
	Requirements			
	Specification			
TAV S-157	e) One (1) on the			
	driver side door			
	of the workspace	101		
	cap; and	Genda Ranaport Securins		
		ferroviaire Rail		
		devaluation Track		
		la vole Vehicle		
			1	
TAV S-158	The TAV must			
	include stickers			
	on the exterior of			
	the workspace			
	cap to indicate			
	the location of			
	the first aid kit			
	and fire			
	extinguisher.			
TAV S-159	3.12 OTHER			
	REQUIREMENTS			

ID	TAV Hi-Rail and Customization Requirements	Picture 1	Picture 2	Picture 3
TAV S-160	Specification The TAV must be supplied with one (1) thermoelectric AC/DC cooler with tie down system, ARB 37 quart frig #10800352 with ARB tie down #1090010 or accepted equivalent.			
TAV S-161	The TAV thermoelectric cooler must be secured in the workspace cap.			