

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Bid Receiving - PWGSC / Réception des soumissions -
TPSGC
11 Laurier Street/11, rue Laurier
Place du Portage, Phase III
Core 0A1 / Noyau 0A1
Gatineau
Québec
K1A 0S5

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

This Request for Proposal contains a security requirement.

Vendor/Firm Name and Address

Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution

Medium Support Vehicle System Project/Système de
véhicule de soutien moyen
105 Hôtel de Ville
Gatineau
Québec
K1A 0A2

Title - Sujet MSVS - SMP Vehicles	
Solicitation No. - N° de l'invitation W8476-06MSMP/L	Amendment No. - N° modif. 005
Client Reference No. - N° de référence du client W8476-06MSMP	Date 2013-10-11
GETS Reference No. - N° de référence de SEAG PW-\$\$BW-008-23908	
File No. - N° de dossier 008bw.W8476-06MSMP	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-12-17	
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: Lortie, Yves	Buyer Id - Id de l'acheteur 008bw
Telephone No. - N° de téléphone (819) 997-7268 ()	FAX No. - N° de FAX (819) 997-0786
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: See Herein	

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

Standard Military Pattern (SMP) Vehicles

Amendment # 5

This amendment is being issued to:

- revise the RFP documents
- respond to Bidders' questions - Please see Attachment # 1

AMENDMENT TO THE RFP

1. At Part 3, Attachment 3, Schedule 3-2:

A) article 2.7.6.2.1.1

Insert: after "Number of Kilometers tested.": "The kilometers must be system level and not scaled to the number of components in the system."

B) article 2.7.6.1.3

Insert: at the end of the sentence: "Where either time or distance warranty information is not applicable, enter 'N/A' in the appropriate column under Warranty."

2. At Part 3, Attachment 3, Schedule 3-3:

Delete: Part 3, Attachment 3, Schedule 3-3 - LCC Input Data in its entirety

Insert: Part 3, Attachment 3, Schedule 3-3 - LCC Input Data - Revision 1

3. At Part 4, Attachment 5, Section 3, Schedule 5-5:

A) Article 2.4.2:

Delete: "The Discard Fraction (1-Bj)"

Insert: "The Repair Fraction Bj"

and;

Delete: the colon after "Bidder's input RF pj"

Insert: a period

and;

Delete: the entire equation for Bj

B) Article 2.4.5, amend the equation for Bj as follows:

Delete: "1-"

4. At Part 7, Annex B, Appendix BA, BA-636, "Evaluation Point Allocation" Column:

Delete: Points (%) = $10000/323 \times (35 - \text{NO}_x)$

Insert: Points (%) = $1000/323 \times (35 - 10 \times \text{Nox})$

5. At Part 7, Annex B, Appendix BJ:

Delete: APPENDIX BJ - MSVS SMP SCHEDULE CONSTRAINTS

Insert: APPENDIX BJ - MSVS SMP SCHEDULE CONSTRAINTS - Revision 1

6. At Part 7, Annex B, Appendix BA, Attachment BA-7, ID# BA-7-145:

Delete: "The tarp assembly shall be Type III, IAW D-80-001-149/SF-001."

Insert: "The tarp assembly shall be made of Type III material IAW
D-80-001-149/SF-001, and shall be welded using a heat sealing methodology."

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.

Standard Military Pattern (SMP) No. W8476-06MSMP/L				
Attachment # 1 to RFP Amendment # 5 Questions and Answers (# 42-50)				
Question #	RFP Reference		Bidder Question	Response
	Part (1 to 8)	Article	Attachment	
42	3	pages 3 -5	Attachment 3 Section 3 Schedule 3-3	<p>This is not correct.</p> <p>The kilometers of usage in Column I of the three Corrective Maintenance tables in Part 3, Attachment 3, Schedule 3-3 is system level distance and not component level; in other words, the kilometers of usage are not scaled for the number of components. This is now clarified in the instructions as part of Part 3, Section 3, Schedule 3-2, article 2.7.6.2.1.1. Please see the amendment.</p>
43	4	2.4	Attachment 5 Section 3 Schedule 5-5	<p>Please refer to Part 3 Attachment 3 Schedule 3-2 paragraphs 1.2, 1.4 and 2.7 which together provide instructions concerning all of the data to be submitted in the tables at Part 3 Attachment 3 Schedule 3-3.</p>

Question #	RFP Reference		Bidder Question	Response
	Part (1 to 8)	Article		
44	7	Annex B Appendix BA Page 44 of 62	<p>BA-636 describes the rated requirement for Nitrogen Oxide (NOx) emissions. The Evaluation Point Allocation score is calculated based on the following criteria:</p> <p>Let NOx = Nitrogen Oxide in g/kW-hr If NOx > 3.5; then allocated points = 0%. If NOx < 0.27; then allocated points = 100% Otherwise the allotted points will be calculated as follows: Points (%) = $10000/323 \times (35 - \text{NOx})$</p> <p>If the NOx values are within the formula range, the calculated points (%) values are between 975% and 1,075%:</p> <ul style="list-style-type: none"> - If the NOx emissions are 3.5 g/kW-hr, then the score would be 975%; - If the NOx emissions are 0.27 g/kW-hr, then the score would be 1,075%; <p>Did Canada intend that the value of 35 in the formulas should be 3.5, such that the formula would be: Points (%) = $10000/323 \times (3.5 - \text{NOx})$?</p>	<p>There is an error in the formula. The correct formula is: Points (%) = $1000/323 \times (35 - 10 \times \text{NOx})$. Please see the amendment.</p>
45	4	2.4.5 Section 3 Schedule 5-5	<p>Equation (8) in Article 2.4.5 identifies w(bar)j as warranty length (km) on component j. The Corrective Maintenance tables in Part 3, Attachment 3, Schedule 3-3 allow the Bidder to input warranty in "months", not length (km).</p> <p>Please clarify how the Bidder is to provide warranty length (km) for MSI.</p> <p>Since the Bidder is unable to provide warranty length (km) in the tables provided, please clarify how Canada will convert the Bidder provided warranty months into kilometers.</p>	<p>A column is missing in the document "Schedule 3-3 - LCC Input Data" to allow for the input of both kilometers and months. Revision 1 of Schedule 3-3 (attached) addresses this correction and provides additional instructions on how to fill the columns "km or months". Please see the amendment.</p>

Question #	RFP Reference		Bidder Question	Response
	Part (1 to 8)	Article		
46	4	2.4.2 2.4.5	<p>Attachment 5 Section 3 Schedule 5-5</p> <p>Please verify equation 12 in Article 2.4.5 is correct as shown.</p> <p>Article 2.4.2 and 2.4.5 define the Discard Fraction as $1 - B_j$ and Repair Fraction as B_j. The equation in Article 2.4.2 and Equation (12) of Article 2.4.5 lists B_j as $1 - \text{Beta distribution}$. Using $\#rep$ & $\#dis$ data provided, $B_j = 1 - \text{Beta}(\#rep+1, \#dis+1)$. With a large repair fraction being justified, having B_j (Repair Fraction) as $1 - \text{Beta distribution}$ would lead to a very large discard fraction being observed in the LCC evaluation instead of repair fraction.</p> <p>For example, suppose a 99% repair fraction observing 99 repairs and 1 discard observed. The Repair Fraction would be $B_j = 1 - \text{Beta}(100, 2)$. This distribution would show a very large discard fraction and very low repair fraction.</p> <p>Would Canada consider changing the formula from $B_j = 1 - \text{Beta distribution}$ to $B_j = \text{Beta distribution}$.</p> <p>Alternatively, recommend redefine B_j as Discard Fraction throughout RFP.</p>	<p>The equation for B_j at Articles 2.4.2 and 2.4.5 is incorrect as identified, and B_j should be shown as equal to the Beta distribution, which is in fact the Repair Fraction. Please see the Amendment.</p>

Question #	RFP Reference		Bidder Question	Response
	Part (1 to 8)	Article	Attachment	
47	4	4.1	Attachment 5	The spare wheel carrier assembly will be included in the configuration audit for both the Cargo variant and the LHS variant.
48	1	7	DID SMP-SE-001 SEMP page 109 of 146	Key non-SE interdependencies are elements such as Training, FSRs, Publications, STTE, Spares, LSA (data), etc that impact on the overall schedule. The Example Schedule at Part 7 Annex B Appendix BJ provides an example of some of the key inter-dependencies between SE and non-SE (ie ILS) areas.
49	NA	NA	Amendment 004, page 35, Schedule-Post-Contract Award	Canada confirms that the box labelled "Survivability Testing Begins" should point to month 0 on the timeline. Please see the amendment.

Question #	RFP Reference		Bidder Question	Response
	Part (1 to 8)	Article		
50			With regards to ID-BA-7-169 2.2.2.2 found in Attachment BA-7 on the above mentioned Tender. Would you please be able to advise if the MSVS Tarp requires sonic welding?	The tarp assembly shall be heat sealed. Ultrasonic welding may be used; other heat sealing welding methodologies are also acceptable. Please see amendment.

Standard Military Pattern

Medium Support Vehicle System

Request for Proposal
W8476-06MSMP/L

Part 3, Attachment 3, Technical Proposal Preparation Instructions

Section 3 - ISS Proposal Preparation Instructions

Schedule 3-3 - LCC Input Data

Revision 1

SCHEDULED AND PREVENTIVE MAINTENANCE

TOTAL NUMBER OF TASKS: 5

Preventive Maintenance Data -MSVS SMP									
TASK ID	Description	MKBPM	MMBPM	Labour Hours	Parts Description	Part Number	Quantity	Item Price	Total Material Cost for Task
00001	misc. Task	1000	6	1.00	Engine Oil	TBD	4	\$1.00	
Comments:					Oil Filter Kit	TBD	1	\$3.00	
									\$7.00

Where:
MKBPM: Mean Km Between Preventive Maintenance
MMBPM: Mean Month Between Preventive Maintenance

Preventive Maintenance Data -MSVS SMP									
TASK ID	Description	MKBPM	MMBPM	Labour Hours	Parts Description	Part Number	Quantity	Item Price	Total Material Cost for Task
00002	Example 2 Task	250	36	12.50	misc part	54	1	\$5.00	
Comments:					different part	6873	6	\$5.00	
					tiny part	1223	12	\$1.00	
									\$47.00

Preventive Maintenance Data -MSVS SMP									
TASK ID	Description	MKBPM	MMBPM	Labour Hours	Parts Description	Part Number	Quantity	Item Price	Total Material Cost for Task
00003	different task	5000	12	5.50	Misc. Oil	TBD	5	\$4.25	
Comments:					misc part	TBD	1	\$55.00	
					misc washer	TBD	12	\$9.00	
					Misc Gasket	TBD	10	\$12.50	
									\$309.25

Preventive Maintenance Data -MSVS SMP									
TASK ID	Description	MKBPM	MMBPM	Labour Hours	Parts Description	Part Number	Quantity	Item Price	Total Material Cost for Task
00004	different task	12500	24	8.00	Misc. Oil	TBD	10	\$3.25	
Comments:					misc part	TBD	3	\$55.00	
					misc washer	TBD	12	\$9.00	
					Misc Gasket	TBD	10	\$12.50	
									\$430.50

Preventive Maintenance Data -MSVS SMP									
TASK ID	Description	MKBPM	MMBPM	Labour Hours	Parts Description	Part Number	Quantity	Item Price	Total Material Cost for Task
00005	different task	5000	12	1.25	Misc Gasket	TBD	20	\$2.50	
Comments:					misc part	TBD	1	\$42.00	
					misc washer	TBD	12	\$9.00	
									\$200.00

CORRECTIVE MAINTENANCE CARGO

H I J M N

General Data for Maintenance Significant Items (MSI) for MSVS SMP CARGO																	
A) Cost and Warranty Data					B) Reliability Data				C) Failure Data: Remove / Replace / Repair								
MSI Name	Unit Cost (new procurement)	Qty	Warranty		MKBF	Justification		Discard Fraction		Remove & Replace Time (Hrs)		Part Costs		Labour Hours			
			Months	Km		L/A/P	Km	%	# Repairs	# Discards	Exp.	Max	Exp.		Max		
Alternator	\$1,000	1	12		100,000	L	200,000	2	1	99	1	2.00	3.00	10.00	15.00	4.00	6.00
Axle, Rear	\$1,100	1	12		100,000	P			95	10	190	2.00	3.00	10.00	15.00	4.00	6.00
Axle, Front	\$1,200	1	12		100,000	A	300,000	3	75	1	3	2.00	3.00	10.00	15.00	4.00	6.00
Axle, Intermediate	\$1,300	1	12		100,000	P			50	500	500	2.00	3.00	10.00	15.00	4.00	6.00
Battery	\$1,400	2	12		100,000	L	200,000	2	100	0	0	2.00	3.00	10.00	15.00	4.00	6.00
Brake Drum/Disc	\$1,500	1	12		100,000	P			50	0	0	2.00	3.00	10.00	15.00	4.00	6.00
Brake Shoe/Pad	\$1,600	1	12		100,000	A	300,000	3	50	0	0	2.00	3.00	10.00	15.00	4.00	6.00
Compressor	\$1,700	1	12		100,000	P			50	0	0	2.00	3.00	10.00	15.00	4.00	6.00
Coolant pump	\$1,800	1	12		100,000	P			50	0	0	2.00	3.00	10.00	15.00	4.00	6.00
Drive Shaft, Front	\$1,900	1	12		100,000	L	200,000	2	50	0	0	2.00	3.00	10.00	15.00	4.00	6.00
Drive Shaft, Intermediate	\$2,000	1	12		100,000	P			50	0	0	2.00	3.00	10.00	15.00	4.00	6.00
Drive Shaft, Jack	\$2,100	1	12		100,000	A	300,000	3	50	0	0	2.00	3.00	10.00	15.00	4.00	6.00
Drive Shaft, Rear	\$2,200	1	12		100,000	P			50	0	0	2.00	3.00	10.00	15.00	4.00	6.00
Engine	\$2,300	1	12		100,000	P			50	0	0	2.00	3.00	10.00	15.00	4.00	6.00
Shocks	\$2,400	4	12		100,000	L	200,000	2	50	0	0	2.00	3.00	10.00	15.00	4.00	6.00
Starter	\$2,500	1	12		100,000	P			50	0	0	2.00	3.00	10.00	15.00	4.00	6.00
Tires	\$2,600	4	12		100,000	A	300,000	3	50	0	0	2.00	3.00	10.00	15.00	4.00	6.00
Transfer Case Assy	\$2,700	1	12		100,000	P			50	0	0	2.00	3.00	10.00	15.00	4.00	6.00
Transmission	\$2,800	1	12		100,000	P			50	0	0	2.00	3.00	10.00	15.00	4.00	6.00
Turbocharger	\$2,900	1	12		100,000	L	200,000	2	50	0	0	2.00	3.00	10.00	15.00	4.00	6.00

Additional Instructions:

1. If "P" is inputted in column H then corresponding columns I and J should remain empty
2. All other cells must be populated with correct figures
3. Enter "0" for # of repairs (column M) and # of discards (column N) if the Discard Fraction is estimated
4. In Col I, the kilometers are to be system level distance (where the Origin of Data is either L or A).

5. Where either time or distance warranty information is not applicable, enter 'N/A' in the appropriate column under Warranty.

CORRECTIVE MAINTENANCE LHS

General Data for Maintenance Significant Items (MSI) for MSVS SMP LHS																	
A) Cost and Warranty Data						B) Reliability Data				C) Failure Data: Remove / Replace / Repair							
MSI Name	Unit Cost (new procurement)	Qty	Warranty		MKBF	Justification		Discard Fraction			Remove & Replace Time (Hrs)		Part Costs		Labour Hours		
			Months	Km		L/A/P	Km	Failures	%	# Repairs	# Discards	Exp.	Max	Exp.	Max		
Alternator	\$1,000	1	12		100,000	L	200,000	2	1	99	1	5.00	8.00	300.00	900.00	4.00	6.00
Axle, Rear	\$1,000	1	12		100,000	P			95	10	190	5.00	8.00	300.00	900.00	4.00	6.00
Axle, Front	\$1,000	1	12		100,000	A	300,000	3	75	1	3	5.00	8.00	300.00	900.00	4.00	6.00
Axle, Intermediate	\$1,000	1	12		100,000	P			50	500	500	5.00	8.00	300.00	900.00	4.00	6.00
Battery	\$1,000	2	12		100,000	L	200,000	2	100	0	0	5.00	8.00	300.00	900.00	4.00	6.00
Brake Drum/Disc	\$1,000	1	12		100,000	P			50	0	0	5.00	8.00	300.00	900.00	4.00	6.00
Brake Shoe/Pad	\$1,000	1	12		100,000	A	300,000	3	50	0	0	5.00	8.00	300.00	900.00	4.00	6.00
Compressor	\$1,000	1	12		100,000	P			50	0	0	5.00	8.00	300.00	900.00	4.00	6.00
Coolant pump	\$1,000	1	12		100,000	P			50	0	0	5.00	8.00	300.00	900.00	4.00	6.00
Drive Shaft, Front	\$1,000	1	12		100,000	L	200,000	2	50	0	0	5.00	8.00	300.00	900.00	4.00	6.00
Drive Shaft, Intermediate	\$1,000	1	12		100,000	P			50	0	0	5.00	8.00	300.00	900.00	4.00	6.00
Drive Shaft, Jack	\$1,000	1	12		100,000	A	300,000	3	50	0	0	5.00	8.00	300.00	900.00	4.00	6.00
Drive Shaft, Rear	\$1,000	1	12		100,000	P			50	0	0	5.00	8.00	300.00	900.00	4.00	6.00
Engine	\$1,000	1	12		100,000	P			50	0	0	5.00	8.00	300.00	900.00	4.00	6.00
Hydraulic cylinders	\$1,000	2	12		100,000	L	200,000	2	50	0	0	5.00	8.00	300.00	900.00	4.00	6.00
Hydraulic motor	\$1,000	1	12		100,000	P			50	0	0	5.00	8.00	300.00	900.00	4.00	6.00
Hydraulic pump	\$1,000	1	12		100,000	A	300,000	3	50	0	0	5.00	8.00	300.00	900.00	4.00	6.00
Hydraulic valves	\$1,000	2	12		100,000	P			50	0	0	5.00	8.00	300.00	900.00	4.00	6.00
Shocks	\$1,000	4	12		100,000	P			50	0	0	5.00	8.00	300.00	900.00	4.00	6.00
Starter	\$1,000	1	12		100,000	L	200,000	2	50	0	0	5.00	8.00	300.00	900.00	4.00	6.00
Tires	\$1,000	4	12		100,000	P			50	0	0	5.00	8.00	300.00	900.00	4.00	6.00
Transfer Case Assy	\$1,000	1	12		100,000	P			50	0	0	5.00	8.00	300.00	900.00	4.00	6.00
Transmission	\$1,000	1	12		100,000	L	200,000	2	50	0	0	5.00	8.00	300.00	900.00	4.00	6.00
Turbocharger	\$1,000	1	12		100,000	P			50	0	0	5.00	8.00	300.00	900.00	4.00	6.00

Additional Instructions:

1. If "P" is inputted in column H then corresponding columns I and J should remain empty
2. All other cells must be populated with correct figures
3. Enter "0" for # of repairs (column M) and # of discards (column N) if the Discard Fraction is estimated
4. In Col I, the kilometers are to be system level distance (where the Origin of Data is either L or A).

5. Where either time or distance warranty information is not applicable, enter 'N/A' in the appropriate column under Warranty.

CORRECTIVE MAINTENANCE APS

General Data for Maintenance Significant Items (MSI) for APS														
A) Cost and Warranty Data					B) Reliability Data				C) Failure Data: Remove / Replace / Repair					
MSI Name	Unit Cost (new procurement)	Qty	Warranty		MTBF (hrs)	Justification		Failures	Discard Fraction	Remove & Replace Time		Part Costs		Labour Hours
			Months	Km		L/A/P	Hr			Exp.	Max	Exp.	Max	
Transparent Armour Windshield	\$25,000	1	12		300	A	3,000	10	75	5.00	8.00	300.00	900.00	4.00
Transparent Armour Door Window	\$25,000	2	12		300	A	3,000	10	75	5.00	8.00	300.00	900.00	6.00

Additional Instructions:

1. If "P" is inputted in column H then corresponding columns I and J should remain empty
2. All other cells must be populated with correct figures
3. Enter "0" for # of repairs (column M) and # of discards (column N) if the Discard Fraction is estimated
4. Where either time or distance warranty information is not applicable, enter 'N/A' in the appropriate column under Warranty.

MEDIUM SUPPORT VEHICLE SYSTEM (MSVS)

STANDARD MILITARY PATTERN (SMP)

REQUEST FOR PROPOSAL
W8476-06-MSMP/L

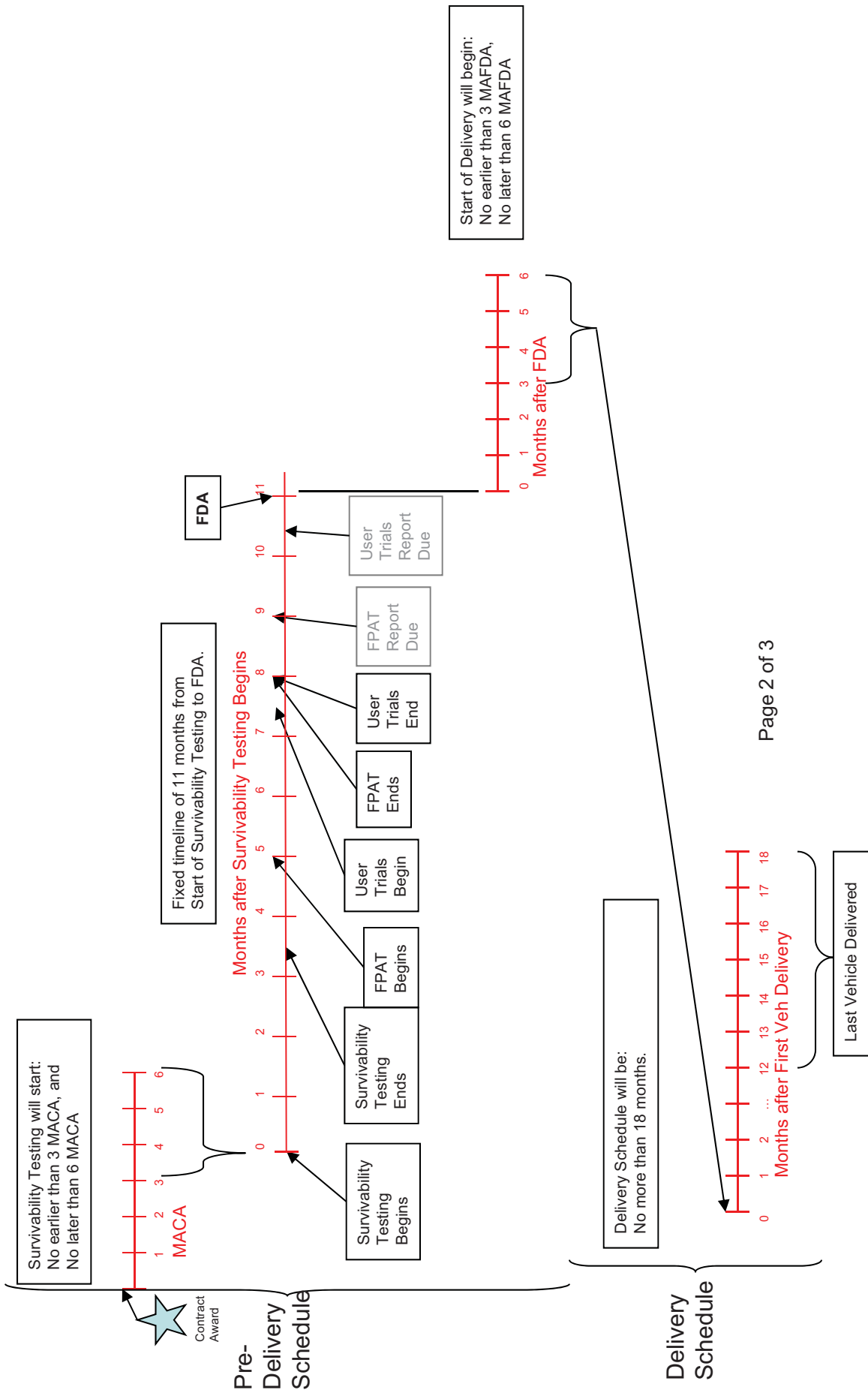
Part 7 - Resulting Contract - Acquisition

ANNEX B - STATEMENT OF WORK

APPENDIX BJ – MSVS SMP SCHEDULE CONSTRAINTS

Revision 1

SMP Schedule Constraints



Example Schedule Including Initial Provisioning Activities

For example, should the Contractor have proposed:
Survivability Testing start at 6 MACA, First Veh Delivery at 6 MAFDA, and 18 months for Delivery,
the proposed schedule would resemble :

