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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

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Title - Sujet AT Modelisation & Simulation		
Solicitation No. - N° de l'invitation W7701-135622/A		Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client W7701-135622		Date 2013-11-29
GETS Reference No. - N° de référence de SEAG PW-\$QCL-018-15718		
File No. - N° de dossier QCL-3-36097 (018)	CCC No./N° CCC - FMS No./N° VME	
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-12-13		Time Zone Fuseau horaire Heure Normale du l'Est HNE
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**TITLE : MODELLING AND SIMULATION OF MILITARY PLATFORM SYSTEMS AND BEHAVIOURS
AMENDMENT 001**

Included in the present amendment :

- Questions and answers 1 to 7
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Question 1 :

In order to allow us to present the most relevant staff to carry out the work of the Task 6 "Collect data from real systems", which is described very briefly in section 3.6 of Appendix A, "Statement of Work", Can you provide guidance or criteria for the experience and technical skills desired?

Réponse :

Depending on the missing data for creating models, work to gather data of infrared signatures, UV signatures, sensors data, data coming from measurements of electronic diagrams, ..., may be performed by the Contractor.

Question 2 :

Q2(a) Could you specify which particular types of measurements and physical experiments will be performed by the Contractor, and which DRDC's scientific instruments or experimental facilities will typically be used and mastered to get the "data" typically required.

Réponse :

See answer 1. Oscilloscope, infrared camera, spectrometer, radiometer,...

Q2(b) Could you also specify the nature of the "real systems" to observe and characterize in the laboratory and in the field?

Réponse :

Aircrafts, boats and land vehicles and their respective infrared equipment (Missile Warning System, Countermeasure Dispensing System, ...).

Q2(c) Is there any dangers inherent or special precautions required?

Réponse :

No particular risk.

Question 3 :

Q3(a) Is it desirable that the proposed resources have practical experience in observing, installing, handling, assembling, disassembling, operating, or starting-up these systems?

Réponse :

Yes it is desirable but no points will be given for that kind of experience.

Q3(b) Will the Contractor have to be able to perform experiments or simulations with real hardware in the loop (HWIL)?

Réponse :

Oui, c'est fort probable. Nous avons différents systèmes comme par exemple le Missile Warning System que nous utilisons lors de simulations.

Yes, it is likely. We have different systems like the Missile Warning System that we are using during simulations.

Question 4 :

Is it sufficient to have only analytical, theoretical or mathematical modeling experience, without necessary having any practical and experimental experience with "real systems", to adequately perform the work of Task 6, as well as some modeling and validation work, as suggest criteria 2.1.1 and 2.2.1 for the "modeling" category?

Réponse :

Yes, totally. Tasks 1 to 5 should be the main tasks in this contract. However, if task 6 is activated, it should not be mandatory to have a field experience. A theoretical comprehension will be sufficient.

Question 5 :

As it is mentioned in section 1.3 "Background/History" of Annex A " Statement of Work " that : "Since these models must accurately represent complex systems or phenomena, experimental work is done in advance or in parallel in order to better characterize the physics of the situation that is to be reproduced", would you like for example the Contractor to be able to propose recognized specialists able to develop autonomously theoretical or empirical original models, such as those required for modeling atmospheric optical effects, or experienced specialists capable of producing spectral signatures of platforms, threats or decoy cartridges, through extraction, processing, calibration and overall analysis of experimental data acquired in the laboratory or during experience in the field?

Réponse :

It would be nice but it is not essential since we are working with scientists who have specialized knowledge in these fields.

***** All the other clauses and conditions remain unchanged *****