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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 GROUND SEGMENT SOLUT. (MEOSAR PROJ)	
Solicitation No. - N° de l'invitation W8474-16ME03/A	**Amendment No. - N° modif.** 023
Client Reference No. - N° de référence du client W8474-16ME03	**Date** 2016-09-26
GETS Reference No. - N° de référence de SEAG PW-$$ST-005-29512	
File No. - N° de dossier 005st.W8474-16ME03	**CCC No./N° CCC - FMS No./N° VME**
Solicitation Closes - L'invitation prend fin **at - à 02:00 PM** **on - le 2017-03-31**	**Time Zone** **Fuseau horaire** Eastern Daylight Saving Time EDT
F.O.B. - F.A.B. **Plant-Usine:** ☐ **Destination:** ☐ **Other-Autre:** ☐	
Address Enquiries to: - Adresser toutes questions à: Byrnes, Ashley	**Buyer Id - Id de l'acheteur** 005st
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Amendment 23 – This amendment serves to answer questions posed by vendors.

Q1: Second-generation beacons (SGB): The cost and burden of the SGB processing upgrade appears to be the burden of the In-Service-Support contractor whereas the actual implementation and integration is clearly the responsibility of the manufacturer. In that light, the capabilities of the MEOLUT should be extended to include SGB-ready architecture without any additional hardware costs.

A1: The SGB is now in scope and required in the Design, Build and Commission SOW. Also, T.018 will be an applicable document.

Q2: Can the analog RF or IF signal from the GEOLUT RF frontend be tapped as input into the MEOLUT signal processor to detect and measure the TOA and FOA of beacon bursts? If not, then the digital measurement data from the GEOLUT's signal processor stream must be used and the format, syntax and precision is unknown or may be inadequate for use.

A2: The MEOLUT must be capable of accepting the analog signal (typically the Intermediate Frequency IF) from a GEOLUT RF front end. The network location processors (NLPs) will use GEOSAR processed beacon messages as exchanged through the File Transfer Protocol (FTP) network server as per the data exchange guidelines in T.019.

Q3: How will the anomalies count be determined? The typical LUT commissioning period seems to be inadequate. The commissioning test is expected to last 3 days; during this period there would be 3,744 bursts from a (typically reference) beacon for which none must be erroneously decoded. This would verify a 2.7×10^{-4} false alert rate. The test period must be 80 days to detect sufficient bursts so as to verify a 1 in 10^5 error rate. We suggest relaxing the specification to accommodate a shorter FAT period or allowing it to be part of the FAT only.

A3: For commissioning the 1×10^4 processing anomaly rate must be met. Canada is asking for 1×10^5 processing anomaly rate. One possible way to test this is to use a beacon simulator at a repetition rate of 5 seconds rather than 50. Another possible method is to concurrently observe multiple reference and orbitography beacons. Each method would reduce testing time by a factor of 10. For commissioning, this would take less than 1 day to do. For FAT testing, one could use both methods concurrently and reduce testing under one day. Vendors are free to recommend testing procedures to reduce testing time as part of their Master Test Plan (MTP).