CLARIFICATION NOTE 1
WFID: 256207

NOTA BENE: Applicants are reminded that questions concerning this Call for Proposals shall be addressed to the GSA's functional mailbox gnss-grants@gsa.europa.eu and the subject of the email shall read "GSA/GRANT/07/2019 Development of a drone-borne double frequency Galileo receiver". Processing of emails which do not bear this subject line may be delayed.

Question no.1: The call requires a solution for the target applications. We understand that the target applications are in the specific category use cases and not in the open and certified categories.

Answer: The call requires definition of target applications or groups of applications, since the navigation performance satisfying the user need may be different. It is up to the applicant to select such applications or categorization. The call is focusing on the specific category use cases, as it is expected that the added value of GNSS will be more relevant for such use cases. In addition, the applicant may propose use cases in the certified category, and propose how implementation of a multiconstellation GNSS receiver and authentication would meet those operational needs, also considering the maturity of the regulation for such category.

Question no.2: The call asks to implement mitigations for SORA/EASA identified risks. One identified risk is the electronic perturbation of the signal such as interferences and jamming. Is anti-jamming antenna part of this call?

Answer: It is up to the applicant to define the applicable mitigation actions, and ensure the contribution and benefits from EGNSS are maximized.

Question no.3: The authentication is, up to now, not required by SORA/EASA/EUROCAE, but could be interesting for remote ID and geofencing, How could we handle this contradiction?

Answer: The objective of the call is to address the added value for Authentication, implement it in the receiver and demonstrate the contribution and suitability during flight tests for the target application(s). Regulations and standards are technology agnostic, and also Galileo OS-NMA is not required, but could support the operation. The applicant shall demonstrate how its implementation can benefit the intended operation and propose contribution to standardization, if considered applicable.

Question no.4: The SORA asks for three categorized levels of assurance,LOW/MEDIUM/HIGH. We understand that the objective of the call is to promote a GNSS solution for the MEDIUM or a GNSS solution for the HIGH level.
Could you please confirm?
The HIGH level is very close to an aviation certified solution. It cannot be low cost as required, so is it part of this call?

Answer: Yes, the objective of the call is to address medium or high level risks. The proposed solution with EGNSS should have a competitive cost versus other technologies/solutions aiming at serving the same operation/application.

Question no.5: The applications related to specific scenarios are very diverse, from simple VLOS operations to complex Grand BVLOS inspection or out of city delivery. In consequence they require very different positioning solutions. For example the STS01 requires simple solution and at the other end Grand BVLOS will require high integrity solutions. As the call insists on the low cost issues we could understand that the aim of the call is to provide only the LOW/MEDIUM End solution of the specific scenarios or use cases.

Have we well understood?

Answer: The applicant should define which applications/operations are the target and define cost competitive solutions based on EGNSS that can serve those specific needs.

Question no.6: Long range surveillance and inspection and remote delivery are major scenarios with the highest business potential. In this case high integrity/certified solutions are necessary to achieve the global airworthiness objectives. They will be complex.

Is it GSA intention to put out another call to cover these applications?

Answer: As explained above, the applicant should select the target scenarios and propose a suitable solution based on EGNSS. No applications are discarded a priori from the call.

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