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Director General
Aeropuertos y Servicios Auxiliares (ASA)
Avenida 602, Número 161
15620 México, D.F.
México

Subject: Automated Weather Observing System (Revised Proposal Review)

Dear Cap. López Meyer:

The MITRE team reviewed the revised technical proposal (dated 23 October 2014) submitted to ASA by Rossbach de México S.A. de C.V. (hereafter referred to as Rossbach) describing Vaisala's Automated Weather Observing System (AWOS) being considered for installation at three potential airport sites in the State of Hidalgo. Additionally, the MITRE team reviewed ASA's letter (ASA/C/01096/2014 dated 24 October 2014) that accompanied the above-mentioned technical proposal. That letter provides feedback from ASA regarding important ASA-related considerations and responsibilities highlighted by MITRE in its previous AWOS response letter (see MITRE Letter F500-L14-046, dated 29 September 2014).

While MITRE is glad to assist with this review, it is important to note that commercial reviews are normally outside the scope of MITRE's work. Being this the case, MITRE's liability does not apply to the comments described below.

MITRE's latest comments and recommendations on wind direction data (to be provided based on True North), as well as the inclusion of a maintenance clause (7 days from the time of malfunction) were addressed by Rossbach in the revised version of the proposal. MITRE feels that the technical proposal now meets the main requirements prescribed in MITRE's specifications document (see Enclosure 5 referenced in MITRE Technical Letter F500-L14-004, dated November 2013). It is important to note, however, that Rossbach indicates that spare parts may not be necessary due to the expected lifespan of the sensors as long as appropriate preventive maintenance is conducted. Therefore, the revised proposal does not include spare parts and instead, refers ASA to a separate optional quotation if spare parts are to be purchased. In MITRE's experience, it has taken a lengthy period of time to acquire replacement parts when a malfunction occurs, resulting in loss of data. Therefore, having a set of recommended spare parts is advisable.

In addition, please note that the latest version of the technical proposal sent to MITRE by ASA is missing some documents that were provided in previous versions. For example, the part that describes the details of the civil work activities being provided by

Rossbach was not included. MITRE assumes that all previous documents already reviewed and accepted will be included in the final version of the acquisition.

Next, ASA did not address MITRE's comment about providing security for the AWOSs in the case of AWOSs being installed on private property. It is important to reiterate, that if the private property owners are to provide security, ASA should ensure that they are properly trained and instructed not only to provide actual security, but also to check basic AWOS operations and conduct minor maintenance of the systems to help prevent possible loss of data. Not doing so could lead to an AWOS not functioning properly for weeks. Periodic oversight by ASA, regardless of the manner in which security is provided, is essential.

Despite the uncertainty regarding the development of a new airport in Hidalgo, MITRE recommends that ASA finalizes the AWOS technical proposal process. This will allow ASA to acquire AWOSs rapidly if and when they are needed. It is for this reason that MITRE has provided its feedback on Rossbach's technical proposal.

Please confirm receipt of this letter via e-mail and send the complete version of the technical proposal to MITRE.

Do not hesitate to contact me if you need any clarification or any other assistance.

Sincerely,



Ing. Robert W. Kleinhans
Project Technical Coordinator

cc:

Jorge Nevárez Jacobo (ASA)
Gilberto Manuel Vázquez Alanís (ASA)
Bernardo Lisker (MITRE)