



The BACW's Bidding Commission hereby presents question made by companies with their respective answers.

REMARK: The questions presented in this "Questions and Answers" are numbered as they are answered by the Bidding Commission and may not match the numbering provided by the companies.

1. **Reference:** Basic Project **Question:** 2. Item 6.1.1 of the Basic Project refers to Technical Specification 000.06.T03.EP.001.02. Please confirm that's a mistake as the valid version of Technical Specification is Document 000.06.T03.EP.001.04.

Answer: *Correct*

2. **Reference:** 8.14 of Invitation for Bid section 8. "Technical Proposal (Envelope N°02)" **Question:** The Technical and Logistic Proposal shall be compliant with the "Technical, Logistic and Industrial Specification" n° 000.06.T03.EP.001.04.

This specification also includes Annexes I, II and III that require price information (unit price for spare Parts, Tools & Test Equipment) Please clarify.

The Technical and Logistic Proposal can contain the prices indicated above, without the risk of being disqualified? Please clarify.

The Annex V also requires price information, but is referred to the Price Proposal Envelope N°03. Please clarify.

Answer: *According to Note 2 from item 21.3.1.3, from the Technical Specifications, the tables related with Attached I, II and III should be presented in both Proposals (Logistic and Commercial), but in the Logistic Proposal the column "Unity Price" shouldn't be filled in. The price information should be presented only at Commercial Proposal.*

According to Note 3 from item 21.3.1.3, from the Technical Specifications, the table related with Attached V should be presented only at Commercial Proposal.

3. **Reference:** 2) With reference to point 9.4 of Invitation for Bid section 9 "Price Proposal (Envelope No. 3)" **Question:** We have understood that prices must be fixed and non-adjustable for the first 12 months and that for the remaining part of the project they can be variable.

But we have not found any indication of an escalation formula, not even indications in clause 6 of the Contract. Please clarify

Answer: *The prices offered shall be firm and fixed throughout the term of the contractual instrument.*

4. **Reference:** 3) With reference to point 32.1 & 32.2 of Invitation for Bid section 32 " Intellectual Property **Question:** We understand that only the following items are required to satisfy this point.

- o SSDD (System Subsystem Design Document)
- o SSS (System Subsystem Specification)
- o SRS (Software Requirement Specification)



- o Technical Annexes
- o As Built
- o Installation Project

Answer: Any and all documents that enable Management to freely use, in its sole discretion, in respect of property rights and intellectual property shall be made available and not restricted to such listings by the interested party.

5. **Reference:** 4) With reference to Req. 3.3.1 of the doc. 000.06.T03.PB.001.02 **Question:** We understand that the delivery will be DAP (Delivery at Place) as per INCOTERMS 2010

Answer: The understanding is correct, as per item 3.3.1 of the Basic Project

6. **Reference: Question:** 5) We also understand, as per point f) of Draft Contract pag. 156/172, that the goods will be delivered to the contractor (CONTRATANTE) in a defined delivery place; and that all loading, transport and unloading costs are borne by the company (CONTRATADA). Please confirm that it is only a single delivery place and please specify which one.

Answer: According to Clause 3, of the draft contract, all costs related to transportation of the equipment to the locations of installation will be the contractor's responsibility. The list of locations where equipment will be supplied, of the subject matter, BID 191489 / CABW / 2019, is detailed in Annexes V and VI of Technical Specification 000.06.T03.EP.001.04, Annex 4 of Basic Project No. 000.06.T03. PB.001.02.

7. **Reference: Question:** 6) In the Req. 5.3.3 of the doc. 000.06.T03.EPPB.001.04, is reported the terminology ADS - B/C, is it the "C" a typo error?

Answer: It is not a typing error. In Brazil we use the ADS-C technology at ACC-AO and we have an ADS-B System at APP Macaé. What it means is that, being requested by any ACC/APP, the ADS-B System to be provided should be ready for share information with others ADS-B or ADS-C Systems, in any Air Traffic Control Center.

8. **Reference: Question:** 7) In the Req. 5.5.3 of the doc. 000.06.T03.EPPB.001.04, is requested that the "WAM station" shall provide a dual IP connection to Central Processing for redundancy and "Safety of Operation". However is not clear the purpose of this requirements considering that N-1 requirements as for Req. 5.5.2 already assure the requested level of Safety for the WAM. Please clarify if the purpose of this requirements is to have all Remote WAM Station fully redundant.

Answer: It is not a fully redundant station. This item means that the output data should follow for 2 IP channels (or 2 IP outputs). In case of failure of one channel/output (for example a broken data cable), the second output can keep the station transmitting the data. This should be considered between the ADS-B receiver output until the technical room, inside of each site; and between the ADS-B Central Processor and the technical room, inside of the center(s).



9. **Reference: Question:** 8) The Warranty period is 24 months but the SLAs for on-site interventions within 72 hours is only referred to the first 12 months, please could you clarify it?

Answer: According to item 21.3.10.1.2, from the Technical Specifications, the warranty period is 24 months. According to item 21.3.1.3 (subitem c) the manufacturer must ensure, within the first 12 months of the guarantee, a technician allocated in Brazil to monitor the operation of the Systems and solve total inoperability within 72 hours. In the second period of 12 months is not mandatory a technician allocated in Brazil.

10. **Reference: Question:** 9) Please clarify the service level for the intervention on site after the first year of warranty.

Answer: After the 12 first months, since the acceptance is completed, we understand that our technicians, already trained, will be the first recurrence in the attempt to remedy the failures and therefore the contractor may take a longer time to solve the problem in loco.

11. **Question:** Taking into account what is required in paragraph 17.2 and for the purpose of not budgeting unnecessary costs, we kindly requested to clarify what could be the tasks of civil, electrical or telecommunications works in which the possible bidders could take charge for the new sites as well as in the existing ones.

Answer: For the ADS-B sites, it means punctual adaptations, taking account that all 66 sites have climatized VHF / UHF rooms to house the equipments. For the WAM sites, site surveys must be performed by the company that will win the bid. So the tenders should take it account.

12. **Reference:** 7.5.1 Technical-Operational Qualification **Question:** We understand that when the submission is per consortium form it would be enough at least one of the companies, which is the manufacturer of the ADS-B/WAM equipment, presents the Technical Qualification for item 7.5. Is correct our understanding?

Answer: Correct. For the technical qualification, the consortium shall present its proof of fulfilling the technical qualification by one of the members of the consortium or by many members of the consortium in order to achieve the full technical qualification required for the project.

13. **Reference:** Item 5 - Technical Specification **Question:** With reference to Item 5 of Technical Specification 000.06.T03.EP.001.04 (COMPOSIÇÃO DOS SISTEMAS ADS-B E WAM), we would like to submit the following question with regards to ADS-B/WAM Central Processing Systems: Would it be acceptable to propose WAM and ADS-B Servers running on one single VM-based set of redundant CPS equipment ?

Answer: The solution should be proposed by the bidder. Please be aware of the observations presented after item 5.3.6.5 of the Technical Specification. There, it is written that the WAM Central Processor must be installed at CINDACTA 2. The reason of this is that Porto Alegre Terminal Area is managed by CINDACTA 2. So, if just one Central Processor is proposed by the bidder, for all ADS-B and WAM stations, It should be installed at CINDACTA 2, to match this request.



Notwithstanding, In accordance with the Invitation For Bid item 33.1, *Any doubts arising from the provisions of this Invitation for Bid may be the subject of consultation, in writing, to the **Bidding Commission** in charge of this bidding process..*

Based on that, the BACW's Bidding Commission reinforces that questions shall be submitted to con@cabw.org and no agents outside BACW should be copied in the e-mail. Thus, only answers published in BACW's website are considered official and part of the solicitation file.

Furthermore, the Brazilian Aeronautical Commission appreciates the question, and stands available to clarify and explain any doubts or concerns in order to increase the BID quality. Any questions or concerns must be submitted to **con@cabw.org**

Note: This information has been made available at BACW website in the publishing for the related Bidding Process.
<http://www.cabwnews.com/index.php/solicitations.html>