



The BACW's Bidding Commission hereby present questions made by companies with their respective answers.

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

Therefore, the Bidding Commission has answered previous questions on November 6, 2017, November 8, 2017, November 10, 2017, November 13, 2017, and November 22, 2017. They are published on BACW's website.

**Question 40** – *Item 13.4 refers to the participation in a consortium: we mean that at the time of submission of the proposal is necessary to present in the qualification documents a statement where are specified the companies that intend to participate in the consortium. Is our understanding correct?*

**Answer:** In accordance with item 6.2.3 of the Invitation For Bid, the Bidder must present organizational documents. Based on that, since this solicitation allows the participation of consortium as per item 13.4, the companies that are going to participate as consortium shall present at the qualification phase the (I) proof of a public or private compromise to form a consortium, which must be signed by the participating companies; (II) indication of the company responsible for the consortium, as per Art. 33 of the Brazilian Law n° 8666 from 1993, and (III) the qualification documents set forth on item 6 of the IFB of all companies participating in the consortium.

It is important to mention that before the contract execution resulting from this solicitation, the winning bidder its required to execute the constitution of the consortium registry, in the terms of the compromise presented as item (I) of this answer, and as per §2°, Art. 33 of the Brazilian Law 8666 from 1993.

**Question 41** – *The request "demodulation rate of each channel  $\geq 1\text{Gbps}$ " is before modulation or after modulation?*

**Answer:** The 1Gbps value is before modulation.

**Question 42** – *Is TT&C's baseband equipment also required 1:1 backup?*

**Answer:** It is required 1:1 redundancy in TT&C modems (modulator/demodulator).

**Question 43** – *Are LNAs (including data receiving and tracking) required backup?*

**Answer:** LNA (including data receiving and tracking) shall be redundant as can be inferred from items 2.7, 2.8 and 2.9 of the ANNEX I TO THE BASIC PROJECT 1/2017-AMZSAR:

*2.7. Degradation of the G/T ratio lower than 1 dB/K for clear sky, temperature around 23°C, to a frequency of 25,500 MHz in K-band, due to pre-LNA filters and/or **redundant LNA**.*

*2.8. Degradation of the G/T ratio lower than 1 dB/K for clear sky, temperature around 23°C, to a frequency of 7,800 MHz in X-band, due to pre-LNA filters and/or **redundant LNA**.*



*2.9. Degradation of the G/T ratio lower than 2 dB/K for clear sky, temperature around 23°C, for a frequency of 2,200 MHz in S-band, due to the pre-LNA and/or **redundant LNA** filters.*

Notwithstanding, In accordance with the Invitation For Bid 173576/CABW/2017 item 25.1 “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, up to 48 hours before the delivery of the proposals.

Based on that, the BACW’s Bidding Commission reinforces that questions shall be submitted to [con@cabw.org](mailto: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>