



PURCHASE AND INSTALLATION OF COMMUNICATIONS EQUIPMENT
FOR LAOAG INTERNATIONAL AND CAUAYAN AIRPORT
(BID NO. 24-049-07 BRAVO)

BID BULLETIN NO. 2

SEP 06 2024

Clarifications of requirements in the Technical Specifications bid document issued for the above project shall apply as follows:

Bidders' Clarification

1. Under "Performance Requirements of the Radio System C.1.2.1" and "C.2.2.1", the Transmitter and Receiver shall have a frequency range of 117.975 to 137 MHz. Please confirm if we can offer instead a radio frequency range of 118 to 137 MHz for the radio system. The requirement for the radio frequency range for the radio system in our previous projects with CAAP for the Mactan and Davao Communications Equipment, as well as several other airports nationwide, was 118 to 137 MHz. Sticking to the specification of 117.975 MHz, with a difference of just 0.025 MHz, will require another frequency range of Radios for all Manufacturers which is significantly more expensive for CAAP.

REPLY: Frequency range of 117.975 to 137MHz is the frequency in the standard released by the Air Navigation Service in July 2022. This is the same operating frequency range in accordance with the ICAO Annex 10 Volume 3 and related ICAO Documents. The 0.025 Mhz below 118 MHz is the guard band ensuring safety in the performance; and, thus required in the ICAO standard. Henceforth, the radio's first assignable frequency is 118MHz and that the last assignable frequency is 136.975MHz per ICAO Regional Frequency Allotment Table.

2. The ATIS System specifications seem to be very detailed. May we know what manufacturer the ATIS specifications are being based on? Each Manufacturer has its own features and may not comply to each specific item of the specifications. May we suggest that the specifications be made more general so that more bidders can comply and will not end up to one bidder who can comply or even failure of bid.

REPLY: The ATIS System specifications have been drafted based on operational needs with inputs from different stakeholders. While these specifications must remain detailed, we are open to alternative comparable solutions that meet the same functional requirements. Bidders are encouraged to propose equivalent options, provided they clearly demonstrate compatibility and functionality.

Basically, the ATIS will have to be connected/integrated by ANS personnel with the weather instrument in the respective airport (i.e. Laoag International Airport) as one of the sources of information of the airport.

3. According to Section VI Schedule of Requirements, Item V, the ATIS System will include one (1) ATIS Workstation with licensed ATIS software package, and one (1) Touch Input Device (TID). According to Section VII. Technical Specifications, requirement C.5.2.4.1., the system shall offer single server architecture.

- a. Please confirm that the server mentioned in Section VII req. C.5.2.4.1, shall be a desktop PC type (PC server).

REPLY: The ATIS System server type is determined by the manufacturer; but as a system, the specification required in C.5.2.4.1 is that it has single server architecture allowing upgrade to double server. Multiple server architecture can be offered as long as it is explained in the proposal.

The ATIS workstation with licensed ATIS software package is the workstation used by ATC tower operations personnel. This workstation can be a desktop PC type.

- b. Please confirm that the ATIS Workstation with licensed ATIS software mentioned in Section VI Item 5 is the PC Server for ATIS.

REPLY: ATIS Workstation is the HMI of the ATC personnel to the ATIS System while the ATIS System takes information from different sources (one of which is the weather instrument). See C.5.2.1.1.

- c. Please confirm that the Touch Input Device is for only one client required for ATIS system.

REPLY: There shall be at least one (1) Touch Input Device for air traffic controller use as client.

4. Please confirm that the Certificate of Exclusive or Authorized Distributorship issued by the Original Equipment Manufacturer (OEM) is only for the major equipment namely the VHF Transmitter System, VHF Receiver System, Voice Communication Switch and Voice Logging System.

REPLY:

Section Item	Specification	Clarifications / Corrections
A.4	For non-OEM bidders (whether sole or JV partner), the CAAP requires that the bidder is an exclusive or authorized distributor of the VHF Radios, Voice Logging System, and IP-Based VCS equipment.	For non-OEM bidders (whether sole or JV partner), the CAAP requires that the bidder is an exclusive or authorized distributor of the VHF Radios, IP-Based VCS, ATIS System and Voice Logging Equipment.

5. The Approved Budget Contract (ABC) seems to be quite low, similar to previous ATC Communications System tenders (Calbayog, Tacloban, Bicol) by CAAP wherein no bidder participated. The Factory Acceptance Test (FAT) and Factory Training (FT) is already costly, amounting to roughly be 20 percent of the ABC if only Laoag airport is to be considered. The UNDP rate alone for daily allowances of participants for the FAT and FT is already around 450 euros daily per participant depending on the country. 3 personnel for FAT for at least 5 working days (7 days including weekends) will already cost €9,450.00 while 8 personnel for FT for at least 10 working days (14 days including weekends) will already cost €50,400.00. Air tickets for 13 personnel will be around PHP1,100,000.00 pesos. UNDP allowances and tickets alone will cost around PHP4,900,000.00. This is aside from the visa, miscellaneous and Manufacturer's Training and FAT cost. OCM, profit and VAT are also not considered yet.

REPLY: There is a large difference of UNDP DSA rates at different possible countries and different month of the year; and, winning bidder cannot be precluded ahead. For equal footing among bidders, maximum UNDP DSA rate is pegged at USD\$310 at exchange rate of Php57 per USD. When DSA and Exchange rate goes lower than USD\$310 and Php57/USD respectively, in actual or during implementation, adjustment shall be made accordingly. Since the project has 365 calendar days of contract time, the testing and training schedule can be planned in advance.

For FAT, if the 5-day starts on a Monday, weekend is no longer counted. Travel time is not included in the UNDP DSA rate.

6. Under Schedule of Requirements item VII., the required number of participants for the Factory Training for IP-Based VCS is 8 pax. However, under Section VII. Technical Specifications item C.4.2.8.3.6, the required number of participants for Factory Training is 5 pax. Please clarify the number of participants for Factory Training.

REPLY: Considering the different prospective bidders who showed up at the pre-bid conference, the number of personnel to attend Factory Acceptance Test and Factory Training shall be adjusted based on the country in which the winning bidder for Voice Communication Switch.

Section Item	Specification	Clarifications / Corrections
C.4.2.8.3.6.a	The Factory Training (FT) shall be attended by 5 personnel (5-VCS) for a minimum of 10 training days (weekends excluded).	The Factory Training (FT) shall be attended by 8 personnel for a minimum of 10 training days (weekends excluded).

7. Who will secure NTC license for CAAP for the supplied Radios?

REPLY: The NTC license/permit documentary requirements has long been required since 2012. This has been required even in Mactan and Davao. The Contractor is responsible in securing NTC license documentary requirements for CAAP use.

8. We would like to request for a 6-week extension from the date of submission of bids due to ff. reasons:

- Europe is now on summer holiday from around end of July to August wherein most of the technical personnel are on vacation.
- Our manufacturer has to prepare the Radio Coverage Map and other requirements for bid submission.
- We have yet to receive a copy of the reference drawings as per section C.4.2.5.l.and C.4.2.5.2 and C.4.2.5. this was not Posted in the CAAP website and the Philgeps.

REPLY: Submission and opening of bids is rescheduled from 16 August to 13 September 2024. See Bid Bulletin No. 1

9. Under "General Requirements of the Voice Communication Switch (VCS) with ATC Console C.4.1.3", the system shall provide telephone and intercom services capable of at least eight (8) lines. (see also C.4.2.4.6) Please confirm which type of telephone lines will be used. FXS, FXO, LB, CB?

REPLY:

Section Item	Specification	Revisions / Corrections
C.4.1.3	The system shall provide telephone and intercom services capable of at least eight (8) lines. <i>(see also C.4.2.4.6)</i>	The system shall provide telephone and intercom services capable of at least six (6) lines. <i>(see also C.4.2.4.6)</i>

C.4.2.4.6.

For this site, the type of analog/IP lines to be interfaced are as follows:

Lines To Be Interfaced	Number of Lines (minimum)
Telephone/Intercom (Analog)	2
VHF Transmitter (IP)	5
VHF Receiver (IP)	5
VHF AM Transceivers	2
Spare	2

For this site, the type of analog/IP lines to be interfaced are as follows:

Lines To Be Interfaced	Number of Lines (minimum)
Telephone/Intercom (Analog)	2 (FXS)
VHF Transmitter (IP)	4
VHF Receiver (IP)	4
VHF AM Transceivers	2
Spare (IP)	2
Spare	2 (FXO)

10. Under "Performance Requirements of the Voice Communication Switch (VCS) with ATC Console", please confirm the following:

- a. C.4.2.1.1.6 (h): Close Key. This key shall be used to close the Settings window on the touch panel. The CLOSE key shall show the sum status of all Direct Access (DA) and Common Answer (CA) keys. Please elaborate or explain what the meaning of the second part of the requirement is and what the expected action is.

REPLY: The Close Key function allows for users to leave Setting window while viewing the final status of all settings before finally going back to operational window

- b. C.4.2.4.5. The system shall provide recording interfaces for the recording of operator position's audio and radio channel/telephone line audio through an external recorder/VLS. Please specify the type of recording output required. Analog or VoIP?

REPLY: There should be part of the VCS system (like output terminal ports) where external recording system (i.e. VLS) to connect as source going to the input terminal ports of the external recorder.

- c. C.4.2.4.6. For this site, the type of analog/IP lines to be interfaced are as follows:

Lines To Be Interfaced	Number of Lines (minimum)
Telephone/Intercom (Analog)	2
VHF Transmitter (IP)	5
VHF Receiver (IP)	5
VHF AM Transceivers	2
Spare	2

- i. Please confirm if the VHF AM TRX interface is IP or Analog. Please confirm the assumption that the radios are single channel.

REPLY: The VHF AM Transmitters, Receivers are IP and Transceivers are analog. See revision in C.4.2.4.6. above in reply to query item 9.

- ii. Please confirm what is expected for the spare. Spare radio channels or spare telephone lines?

REPLY: See revision in C.4.2.4.6. above in reply to query item 9.

For the information and guidance of all concerned.



ATTY. DANJUN G. LUCAS

Chairman, Bids and Awards Committee - Bravo