



SUPPLEMENTAL / BID BULLETIN NO. 04

**REPLACEMENT OF ILS 06 for NINOY AQUINO INTERNATIONAL AIRPORT**  
 (Bid No. 22-009-05)

29 June 2022

I. Please note the following amendments/ revisions/ clarifications to the Bidding Documents:

Reference	Remarks	Answer
<p><b>Query:</b> Tech Specs 2.1.2.8</p> <p>The ILS to be supplied, shall be provided with an interconnection diagram to the existing ILS System and RCMS.</p> <p>The RCMS must be new or shall be re-used the existing one?</p>	Requirement	New RCMS shall be provided per schedule of requirements. The same applies to non-Thales Systems.
<p><b>Query:</b> Tech Specs 2.1.2.14</p> <p>The RCMS for the ILS shall include a GUI-based PC monitoring touch display with Access Control.</p> <p>The monitoring touch display can be considered suitable with the front panel with buttons as per the existing one?</p>	Requirement	Yes.
<p><b>Query:</b> Tech Specs. 2.4.6.3</p> <p>An operational status indicator unit shall be provided at the VFR console at the Davao Control Tower cabroom.</p> <p>If we correctly understand is requested a status indicator only for remote monitoring scope in Davao airport. Can you confirm?</p>	Requirement	CAAP requires status indicator unit to be provided at the VFR console at Manila Control Tower cabroom. Operational status unit at Davao Control Tower cabroom is not required.
<p><b>Query:</b> Tech Specs. 2.6.3.1</p> <p>The ILS system shall be equipped with a Fiber-optic linked connection via wireless radio link at Manila Radar for Remote Control and Monitoring System (RCMS).</p> <p>What exactly mean "Fiber- optic linked connection via wireless radio link", which interface we have to considered for our equipment (LAN, RS232, ecc....)?</p>	Requirement	The RCMS Connection of ILS and Glidepath shall be made thru Fiber-optic cable that will end at Manila Radar. At Manila Radar the data shall be sent via existing wireless radio link to Manila Control Tower for the location of the ANS Equipment Room.

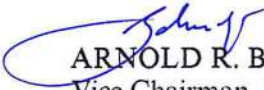
<p><b>Query:</b> Tech Specs 2.6.3.2</p> <p>The main RCMS equipment shall be installed at the ANS Room.</p> <p>Why the "main" RCMS? How many RCMS shall we consider?</p>	<p>Requirement</p>	<p>CAAP requires the following distribution and setup for the ILS system RCMS per Technical Specifications Section 3.2.1.1</p> <table border="1" data-bbox="970 383 1382 1126"> <thead> <tr> <th>Equipment</th> <th>Location</th> <th>Control</th> <th>Status Monitoring</th> </tr> </thead> <tbody> <tr> <td>RCMS Master Unit</td> <td>ANS Equipment Room</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td rowspan="3">RCMS Station</td> <td>ANS Room (Station 1)</td> <td>No</td> <td>Yes</td> </tr> <tr> <td>Control Tower (Aerodrome Position)</td> <td>No</td> <td>Yes</td> </tr> <tr> <td>Control Tower (Supervisor)</td> <td>Yes (RWY In-Use)</td> <td>Yes</td> </tr> </tbody> </table>	Equipment	Location	Control	Status Monitoring	RCMS Master Unit	ANS Equipment Room	Yes	Yes	RCMS Station	ANS Room (Station 1)	No	Yes	Control Tower (Aerodrome Position)	No	Yes	Control Tower (Supervisor)	Yes (RWY In-Use)	Yes
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<p><b>Query:</b> Tech Specs 2.6.3.3</p> <p>A Fiber-optic link system shall be used as the scheme for the interconnection of the RCMS of the LLZ and GP facility to: (1) the ANS Equipment Room.</p> <p>This means that a Fiber Optic direct connection, via Fiber Optic cables, will be available between LLZ and GP facility to ANS Equipment room?</p>	<p>Requirement</p>	<p>The RCMS Connection of ILS and Glidepath shall be made thru Fiber-optic cable that will end at Manila Radar. At Manila Radar the data shall be sent via existing wireless radio link to Manila Control Tower for the location of the ANS Equipment Room.</p>																		
<p><b>Query:</b> General</p> <p>Please clarify the function and position of the following rooms:</p> <p>Manila Radar. ANS Room. ANS Equipment Room. Control Tower Cab Room. Davao Control Tower Cab Room.</p>	<p>Additional information</p>	<ul style="list-style-type: none"> <li>Manila Radar – location of wireless radio link to Manila Control Tower.</li> <li>ANS Room – Designated room for RCMS Station aside from the ANS equipment room.</li> <li>ANS Equipment Room – location for the Main RCMS equipment and wireless radio link to Manila Radar. This room is located at ground floor of the Control Tower Building.</li> <li>Control Tower Cab Room – Status monitoring location of RCMS station in Aerodrome position and Supervisor</li> </ul>																		

		position with Rwy-in-use control. <ul style="list-style-type: none"> <li>• Davao Control Tower Cab Room – not included in the requirement.</li> </ul>
<b>Query: General</b>  If we correctly understand there is only one room with one Remote Control, is it correct? Which is the room where the Remote Control will be installed?	Requirement	Yes, ANS Equipment Room.
<b>Query: General</b>  If we correctly understand there is one Status Indicator with Interlock functionality already installed in Control Tower Cab Room, is it correct? Shall be provided a new Status Indicator?	Requirement	Yes. A new status indicator shall be provided per Technical Specifications 3.2.1.1
<b>Query: Tech Specs 2.6.1.7</b>  Charger shall be equipped with indicating instruments, switches and indication lamps for maintenance purposes. The instruments and switches shall indicate and control at least the following items:  What exactly mean "instruments and switches"? The equipment allows to indicate and control the DC power supply parameters by SW. Can be considered valid?	Requirement	Yes, instruments and switches via SW is acceptable.
<b>Query: Tech Specs 2.6.1.7.1</b> Voltage monitoring meter of DC output	Requirement	Required visual reading.
<b>Query: Tech Specs 2.6.1.7.2</b> Current monitoring meter of DC output	Requirement	Required visual reading.
<b>Query: Tech Specs 2.6.1.7.3</b> Switches for AC input and DC output	Requirement	Required visual reading.
<b>Query: Tech Specs 2.6.1.7.4</b> Switch for select DC output or battery	Requirement	Required visual reading.
<b>Query: Tech Specs 2.6.1.7.5</b> AC source indicator	Requirement	Required visual reading.
<b>Query: Tech Specs 2.6.1.7.6</b> Operation indicator for charger, charging condition	Requirement	Required visual reading.

<p><b>Query: Tech Specs 2.6.2.8</b>          Shall be equipped with alarm and status indicators          What exactly mean “Shall be equipped with alarm and status indicators”? Is it requested an associated alarm to the batteries status?</p>	<p>Requirement</p>	<p>Yes.</p>
<p><b>Query: Tech Specs 2.6.2.9</b>          The DC Power Supply system shall have operational control functions.           What are the DC power supply operational control functions required?          Please can you clarify?</p>	<p>Requirement</p>	<p>Operational control functions per supplied equipment.</p>
<p><b>Query: Tech Specs 2.4.2.3</b>           An operational status indicator unit shall be provided at the VFR console at the Davao Control Tower cabroom.</p>	<p>Amendment</p>	<p>An operational status indicator unit shall be provided at the VFR console at the Manila Control Tower cabroom.</p>

This bid bulletin shall be an integral part of the Bidding Documents and the same shall be enclosed in the technical bid envelop/component and shall be marked/tabbed accordingly.

For the information and guidance of all concerned.

  
**ARNOLD R. BALUCATING**  
 Vice Chairman, Bids and Awards Committee-Alpha