



RFQ NO. 2025-03-004

**BIDS AND AWARDS COMMITTEE**  
**NOTICE OF DIRECT CONTRACTING and REQUEST FOR QUOTATION**  
**March 12, 2025**

1. The Civil Aviation Authority of the Philippines (CAAP) through its Bids and Awards Committee intends to apply the sum of **One Hundred Ninety-Eight Million Pesos** only (**PHP198,000,000.00**), inclusive of all applicable government taxes, fees, and charges, being the Approved Budget for the Contract (ABC) to payments under the contract for the project, **Procurement of Disaster Recovery System (DRS) for Thales Topsky-HE Air Traffic Management System (ATMS) for the Philippine Air Traffic Management Center (ATMC)**.
2. The **BAC** requests **Bertrand Miras / Head of Services Sector of Thales Australia Limited (Thales)** to submit a PRICE PROPOSAL inclusive of VAT. A proposal received more than the ABC shall be automatically rejected at proposal opening Price Proposal.
3. The submission shall include the following documents:

**A. Eligibility Requirements:**

1. Valid Mayor's or Business Permit;
2. Valid PhilGEPS Certificate of Registration;
3. Valid Certificate of Sole Distributorship; and
4. Income/Business Tax Return (for above ABC PHP500,000.00)

**B. Technical Requirements:**

1. Technical Specifications with Compliance Statement

**C. Financial Requirements:**

1. Original of duly signed and accomplished Financial Bid Form (Form No. 1)
2. **Thales Australia Limited (Thales)** shall submit its quotation / proposal manually to the **Bids and Awards Committee** on or before **9:00 AM** on the **19 March 2025** at the **3rd Floor Supply, Procurement Building, Civil Aviation Authority of the Philippines MIA Road corner Ninoy Aquino Avenue 1300 Pasay City, Metro Manila**.

**Late submissions shall not be accepted.**



3. The opening of Price Proposal shall be held physically at the **3<sup>rd</sup> Floor Supply, Procurement Building, Civil Aviation Authority of the Philippines, MIA Road corner Ninoy Aquino Avenue 1300 Pasay City, Metro Manila**, and virtually via Google Meet Video Conferencing. The Price Proposal will be opened in the presence of the bidder's representative/s who opts to attend the activity. The bidder is requested to advise the committee, through the Secretariat of the name of its representative together with an attached written authorization manually or via electronic mail.

The CAAP reserves the right to accept or reject the offer, to annul this request for quotation or the procurement process, waive any informalities or minor defects, accept the most advantageous offer to the CAAP, or not award the contract without thereby incurring any liability to the offer.

This **Alternative Method of Procurement through Direct Contracting** for the project stated above shall be governed by Section 50 of the Revised Implementing Rules and Regulations of Republic Act 9184.

Should you have further inquiries/clarifications, you may contact the BAC Secretariat at (02) 8246-4988 loc 2236 or email at [bac@caap.gov.ph](mailto:bac@caap.gov.ph)

We look forward to your participation in this procurement activity.



**ATTY. DANJUN G. LUCAS**  
Chairperson  
Bids & Awards Committee – Bravo



## Bid Form

Date: \_\_\_\_\_

### Invitation to Bid

To: *[name and address of Procuring Entity]*

Gentlemen and/or Ladies:

Having examined the Bidding Documents including Bid Bulletin Numbers *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to *[supply/deliver/perform]* *[description of the Goods]* in conformity with the said Bidding Documents for the sum of *[total Bid amount in words and figures]* or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.

We undertake, if our Bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.

If our Bid is accepted, we undertake to provide a performance security in the form, amounts, and within the times specified in the Bidding Documents.

We agree to abide by this Bid for the Bid Validity Period of **120 calendar days** and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:<sup>1</sup>

Name and address of agent	Amount and currency	Purpose of Commission or gratuity
_____	_____	_____
_____	_____	_____
_____	_____	_____

*(if none, state "None")*

<sup>1</sup> Applicable only if the Funding Source is the ADB, JICA or WB.





Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your Notice of Award, shall be binding upon us.

We understand that you are not bound to accept the Lowest Calculated Bid or any Bid you may receive.

We certify/confirm that we comply with the eligibility requirements of the Bidding Documents.

We likewise certify/confirm that the undersigned, *[for sole proprietorships, insert: as the owner and sole proprietor or authorized representative of Name of Bidder, has the full power and authority to participate, submit the bid, and to sign and execute the ensuing contract, on the latter's behalf for the Name of Project of the Name of the Procuring Entity] [for partnerships, corporations, cooperatives, or joint ventures, insert: is granted full power and authority by the Name of Bidder, to participate, submit the bid, and to sign and execute the ensuing contract on the latter's behalf for Name of Project of the Name of the Procuring Entity].*

We acknowledge that failure to sign each and every page of this Bid Form, including the attached Schedule of Prices, shall be a ground for the rejection of our bid.

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 2025.

\_\_\_\_\_  
*[signature]*

\_\_\_\_\_  
*[in the capacity of]*

Duly authorized to sign Bid for and on behalf of \_\_\_\_\_





### TECHNICAL SPECIFICATION WITH COMPLIANCE STATEMENT

Below are the items for the project with the statement of Compliance

Name of Item	Compliance Statement

*Bidders must state here either "Comply" or "Not Comply" against the entirety of the herein Specifications. A statement that is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.*

SUBMITTED BY:

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Position: \_\_\_\_\_

Name of Company: \_\_\_\_\_

Date: \_\_\_\_\_



### BILL OF MATERIALS

Project: *Procurement of Disaster Recovery System (DRS) for Thales Topsky-HE Air Traffic Management System (ATMS) for the Philippine Air Traffic Management Center (ATMC).*

Location:

Item No.	Description	Quantity	Unit	Unit Cost	Total
I					
				<b>TOTAL</b>	

SUBMITTED BY:

Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Position: \_\_\_\_\_

Name of Company: \_\_\_\_\_

Date: \_\_\_\_\_





## **TECHNICAL SPECIFICATIONS**

### **Procurement of Disaster Recovery System (DRS) for Thales Topsky-HE Air Traffic Management System (ATMS) for the Philippine Air Traffic Management Center**

#### **Project Objectives**

- To add a disaster recovery capability to the Thales Air Traffic Management System™ (ATMS).
- To improve the service continuity of the ATMS in case there is an outage of the operational ATM system.

#### **Functional Description**

- The DRS is expected to provide service continuity of the ATMS in case there is an outage of the operational ATM system.
- The DRS shall be implemented in two Phases, namely: Interim DRS and New DRS.
- The Interim DRS shall make use of the existing Training and Evaluation System (TES) which will be upgraded and is expected to have Surveillance, Aeronautical Fixed Telecommunication Network (AFTN) and Operations (OPS) interfaces once completed.
- The new DRS shall make use of the new TES (to be supplied under the JICA-funded ATMS Upgrade Project) and is expected to have Surveillance, Aeronautical Fixed Telecommunication Network (AFTN), Controller-Pilot Data Link Communications (CPDLC), Remote Towers and Operations (OPS) interfaces once completed.

#### **Scope of Works/Services:**

##### **Project Management**

The contractor (Thales) shall provide project management services to coordinate and liaise with his/her CAAP counterpart for the timely delivery and performance of the project activities.

##### **Site Survey**

The Contractor will perform a site survey and provide a report.

##### **Project Launch**

A project launch meeting will be held remotely within T0 + 1 months. The duration of the project launch meeting is one (1) day, with the following agenda:



- Project kick-off
- Presentation of the hardware and system design
- Reporting of the initial site survey results
- Approval of hardware items for procurement

### **Design Review**

The Contractor shall perform a Design Review (DR) with the following agenda:

- Presentation of the design documentation
- Presentation of the integration, test and transition plan
- Confirmation of customer dependencies and support
- Closure of site survey actions

The Design Review meeting will be held within T0 + 2 months. The duration of the Design Review meeting is two (2) days and will be held at the ATMC in Manila, Philippines with remote specialist support from Melbourne.

### **Procurement**

The contractor shall procure and deliver the hardware items for the DRS (*see list of deliverable hardware items*)

### **Installation**

Following a successful Site and TES Readiness Review, the contractor shall proceed with the Installation.

The contractor shall submit an Installation Plan.

The installation activities will be detailed in the Installation Plan.

Installation activities will be performed during normal business hours unless there are unforeseen operational concerns raised by either ATS or ANS that will affect the schedule. Then the activities shall be rescheduled to a time agreed upon by the contractor, operator and maintenance providers.

**Assumption:** the existing TES system equipment is relocated to a designated room and power and cooling provisions are in place.

### **Project Installation Phases**

- **Phase 1 - Interim DRS:**

The existing TES will be relocated and operated using test benches (*as part of the ATMS Hardware Upgrade Project*).

Once relocated, the existing TES will be converted into an interim DRS capability: Operations (OPS) Planner Controller (PLC) consoles will be

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selectable between existing OPS and interim DRS via new Keyboard Video Mouse (KVM)s.

Interim DRS will have surveillance, Aeronautical Fixed Telecommunications Network (AFTN) and OPS interfaces and will be protected by perimeter firewalls shared with ATMS Upgrade OPS.

- Phase 2 - New DRS (upgraded ATMS Upgrade TES):

In phase 2a, a first version of the new DRS will be implemented in parallel with the new TES and become available after the ATMS Upgrade TES Site Acceptance Tests (SAT). Similar to the interim DRS, this version will have surveillance, AFTN and OPS interfaces and will be protected by perimeter firewalls shared with ATMS Upgrade OPS.

In phase 2b, a final version of the new DRS will be implemented after ATMS Upgrade commissioning with additional capabilities; Controller-Pilot Data Link Communications (CPDLC) and Remote Towers interfaces, reconfigurable into redundant DRS and operable via TES and OPS (PLC) consoles.

### **Integration and Transition**

The integration and transition activities will commence after a sufficient level of installation has been completed. Integration activities will include:

- Configuration of the workstations, servers and network equipment
- Installation of software, and
- Configuration of the interfaces.

Systematic transition plan according to the following main phases:

- Hardware installation and configuration
- Build and test the Interim DRS
- Interim DRS SAT
- Warranty Commencement
- Build and test the initial version of Final DRS
- Initial version DRS SAT (following the ATMS Upgrade TES SAT)
- Build and test the final version of new DRS
  - Pre-integration in parallel with ATMS Upgrade project
  - Final integration post ATMS upgrade commissioning
- SAT Final DRS
- Project completion

*CAAP-ANS will provide assistance in the coordination of activities, installation, configuration of the operational networks and interfaces and operation of the CNS/ATM systems.*



## Acceptance Tests

### Hardware Acceptance Test (HAT)

The main objective of the Hardware Acceptance Test (HAT) is to inspect and validate the installation of the deployed hardware.

HATs are to be conducted at the Phil. ATM Center (ATMC) and will be witnessed by CAAP-ANS TIAC representatives.

The hardware acceptance test procedures and checklists are contained in the HAT Procedure Book (HATPB) provided by the contractor.

The test results will be recorded in the HAT Report Book (HATRB).

Problem Change Reports (PCRs) detected at HAT will be corrected for retest at an agreed time with CAAP.

### Site Acceptance Test (SAT)

SATs will be conducted at the Phil. ATM Center and to be witnessed by CAAP representatives.

The site acceptance test procedures and checklists are contained in the SAT Procedure Book (SATPB).

The test results will be recorded in the SAT Report Book (SATRB).

Problem Change Reports (PCRs) detected at SAT will be corrected for retest at an agreed time with CAAP.

### Acceptance Tests Summary

Acceptance Tests	Duration	Location
Hardware Acceptance Test (HAT)	1 working day	ATMC
Interim DRS SAT (Ph1)	1 working day	ATMC
Initial version final DRS SAT (Ph2a)	1 working day	ATMC
Final DRS SAT (Ph2b)	1 working day	ATMC

### Acceptance Criteria

The acceptance criteria for each test acceptance shall be defined as follows:

- All planned test procedure steps and inspections have been executed

- > 90% pass rate of the ATPB test steps and inspections for each acceptance test
- For all outstanding problems/defects, an agreed schedule and method for resolution has been established:

Severity Level S1 (most severe) = 0 / No blocking issue

Severity Level S2 = 0 / No blocking issue

Severity Level S3, S4, S5 = Agreed resolution plan for any outstanding S3, S4 or S5 defects

### **Trainings**

The contractor shall conduct the following trainings for CAAP selected ANS and ATS personnel:

- a. Technical Training
- b. Operational Training
- c. Datasets Preparation and Review (DPR) training

Duration: 5 working days

Maximum No. of Trainees: 8

### **SAT Completion**

The SAT Completion milestone is achieved when all SATs are performed and the criteria stated in Acceptance Criteria are achieved.

### **Warranty Period**

A twelve (12) month Defect Notification Period (DNP) will commence on Interim TES SAT Completion.

Hardware defect correction is limited to the ATMS DRS Upgrade hardware provided under this project scope.

No Software defect correction is included. Post SAT Completion, software defect correction will be provided by the ongoing Software Support Services.

### **Operational Transition**

Following the SAT completion, transition to operation of the upgraded DRS systems will be performed by CAAP with support from Thales according to the Transition Plan.



## Deliverables

The following project deliverables will be provided by the contractor:

### Documentation

No.	Document
1	IIVQ Plan (Integration, Validation, Verification and Qualification)
2	Global System/Subsystem Design Description (GSSDD)
3	PH-ATM ATMS System/Subsystem Design Description (SSDD)
4	System Architecture Drawings
5	Network Design Documents (IP Plan, PAP, NDD)
6	Bill of Materials
7	Rack Layouts
8	Cable Schedule
9	Site Installation Plan
10	Site Installation File (as built)
11	Site Acceptance Test Procedure Books & Reports
12	Hardware Configuration Management Document
13	Integrated Logistics Support (ILS) Plan (Training, Warranty Support)
14	Training Materials
15	Version Description Document (VDD)
16	Transition Plan
17	Survey Report

### Hardware Items

No.	Qty.	Description
1	10	Workstation Model K05-D Medium level workstation for TopSky HE HMI (no RAID)
2	3	Tower Access/Distribution Layer Network Switch Router (SR2-24)
3	3	125W Second AC Power Supply Switch Sub-Module
4	3	4 x 10GE Network Sub-Module
5	3	Access/Distribution Layer Network Switch Router (SR-24)
6	3	C9200 Cisco DNA Advantage, 24-port, 3 Year Term license
7	1	Maintenance Laptop
8	10	KVM switch 2 x 2 DP1.4 inputs
9	10	DP to DVI DL Video Adapter
10	10	Nvidia T400 Graphics Card
11	10	10GBASE-SR SFP+ Interface Module
12	16	Gigabit Ethernet SFP, LC connector, LH transceiver Interface Module

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13	16	Cisco 1000BASE-EX SFP transceiver module, SMF, 1310nm, DOM Interface Module
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### Spares

No.	Qty.	Description
1	2	Workstation Model K05-D Medium level workstation for TopSky HE HMI (no RAID)
2	1	Tower Access/Distribution Layer Network Switch Router (SR2-24)
3	1	125W Second AC Power Supply Switch Sub-Module
4	1	4 x 10GE Network Sub-Module
5	1	Access/Distribution Layer Network Switch Router (SR-24)
6	1	C9200 Cisco DNA Advantage, 24-port, 3 Year Term license
7	1	Maintenance Laptop
8	2	KVM switch 2 x 2 DP1.4 inputs
9	1	DP to DVI DL Video Adapter
10	2	Nvidia T400 Graphics Card
11	1	10GBASE-SR SFP+ Interface Module
12	2	Gigabit Ethernet SFP, LC connector, LH transceiver Interface Module
13	2	Cisco 1000BASE-EX SFP transceiver module, SMF, 1310nm, DOM Interface Module

### CAAP's RESPONSIBILITIES DURING PROJECT IMPLEMENTATION

CAAP shall provide the following information and services to facilitate the project:

- Access to the CNS-ATM ATMC for the conduct of the site surveys.
- Support for equipment importation to minimize time delays associated with international shipping and customs.
- Provide storage for the delivered equipment until required for installation.
- Provide storage for spares equipment at each site.
- Implement recommendations from the site survey reports.
- Relocation of old Test and Evaluation System (TES) workstations and set to work of old TES at new location.
- Reconfiguration and management of Voice Switch Communication and Control System (VSCS) iPOS positions in TES room for use in DRS mode.
- Attendance at acceptance tests (authorized to sign-off reports and minutes).



- A training room for the theoretical component of technical and operational training.
- Access to spare equipment to be used for technical training.
- Removal and disposal of decommissioned equipment.
- Access to equipment rooms during normal business hours for the purposes of installation, integration, site acceptance tests (SAT) and training.
- Access to the consoles in the Operations room and TES rooms and NAIA Tower cabin during normal business hours for the purposes of installation, integration and SAT.
- Coordinate and update the configuration on operational network and interfaces such as DMZ, AMHS and SITA.
- Access to applicable installation sites to conduct physical configuration audit prior to final acceptance.
- Access to the TES (existing and new) for the purposes of installation, integration, SAT and training.
- Internet connections for the purposes of integration, SAT and training.
- CAAP to maintain the CNS-ATM systems in a fully serviceable condition including maintaining the currency of all applicable licenses.
- Support for Central Technical Monitoring System (CTMS) dashboard and map updates.
- Support for installation of new IT hardware in consoles and beside consoles.
- Test support including operation of consoles and workstations at ATMC and remote towers.
- Support for dataset updates.
- Support for connecting/disconnecting CNS-ATM operational systems to the DRS systems during integration, acceptance testing and during operational transition.
- Configuration of test connection in AMHS for shadowing.

## **ASSUMPTIONS AND EXCLUSIONS**

This ATMS DRS project assumes that:

- a) The software support services contract (between DOTr/CAAP and Thales) is in place and the following scope has been delivered/completed:
  - o Deployment of an updated TopSky-ATC software version



- o Integration of the Space Based ADS-B
  - o Integration of the Bataraza ADS-B
- b) The ATMS Upgrade contract (between DOTr/CAAP and Thales) is in place and the following scope has been deployed:
  - o Perimeters firewalls
  - o Existing TES in new location
  - o New TES
- c) A software support and cyber services contract is in place and support services are executed in parallel with this ATMS DRS Upgrade projects.
- d) Radars are operational and planned maintenance activities are not interfering with ATMS DRS Upgrade activities.
- e) Hardware items (same models as planned for ATM Upgrade Project) will be approved for procurement at the project launch meeting.
- f) The ATMS DRS Upgrade project requires the deployment and testing of a Major TopSky-ATC release compatible with the latest generation Thalix (Thalix13) and hardware for the new TES. Prerequisite is as part of the ATMS Upgrade project is that the new hardware and new software is re-integrated with existing interfaces and CNS/ATM systems and to ensure that ATM system capabilities are not degraded and interfaces are not impacted.
- g) All relevant existing CNS/ATM systems are functional and recommendations from the site survey report are implemented.
- h) No power equipment issues (including generators, UPS and ATS).
- i) Internet connections are available.
- j) CTMS will not be used for interim DRS and integration with new TES is part of the ATMS Upgrade project scope.
- k) Excluded from the ATMS DRS Upgrade integration, transition and acceptance test activities are CNS/ATM systems and communication equipment that are not operational.

## INDICATIVE PROJECT AND PAYMENT MILESTONES

Item No.	Item	Timing (months)	Payment Milestone
1	Contract Commencement	T0	15%
2	Project Launch – Manila	T0+1	
3	Design Review	T0+2	
4	Site Readiness Review/Hardware Delivery	T0+4	35%
5	Interim DRS SAT	T0+8	15%
6	Interim DRS Complete	T0+9	
7	New DRS Integration and Test Ph2a Complete	T0+16	
8	New DRS SAT Ph2a Complete	T0+18	30%
9	New DRS Integration and Test Ph2b Complete	ATMS Upgrade SAT Completion +1	
10	New DRS Ph2b Complete	ATMS Upgrade SAT Completion +2	5%

**ESTIMATED TOTAL PROJECT DURATION:** Twenty-Four (24) Months