Yangon Aircraft Engineering Company (YAECO)

Chief Operating Officer
Director, Maintenance Operation
Yangon Aircraft Engineering Company (YAECO) က Airbus A-319 အပေါ် VIP Configuration နောက် ATR-72 အပေါ် Cargo Version And Troop Seats သင်္ဂုံးကြည့်ရှုနေခြင်းနှင့်အတူ အကြောင်းဖြင့် Option 1 နှင့် Option 2 နောက် VIP ကို Long Sofa သို့ Long Economy Seat သို့ Premium Economy Seat အဖြစ်များစွာ ထည့်သွင်းနိုင်သည်။

 YAECO က Airbus A-319 အပေါ် VIP Configuration အပေါ် Scenario က Option 1 ပေါ် အထောက်အကူ Side wall panel ဖြင့် Overhead Bin အဖြစ်လည်း ထည့်သွင်းနိုင်သည်။

 Scenario 1 က Carpet, Partitions, Curtains, Seats, Tables, Long Sofa ဗျူဟာအတွက် အထောက်အကူ Emergency Equipment ဖြင့် Overhead Bin အဖြစ်လည်း ထည့်သွင်းနိုင်သည်။ Scenario 2 က VIP Cabin အပေါ် အထောက်အကူ Overhead Bin အဖြစ်လည်း ထည့်သွင်းနိုင်သည်။
 Scenario 3 နှင့် Scenario 2 တွင် VIP Cabin အချက် Entertaiment အချက် Wifi System ရှိ USB Port ရှိသည်။ Scenario 4 နှင့် Scenario 3 တွင် Luxury Grade အားလုံး Alcantaara အချက်အချင် Leather အချက် Decoration အနေဖြင့် Minimum Price အနေဖြင့် Option 1 + Scenario 1 အချက်အချင် USD 2.5 Million ၊ EASA Regulation အချက်အချင်။ MRO အချက်အချင် ။ EASA Regulation ရှိသည် အကြံပေး ၊ USD 2.5 Million ၊ YAECO အချက် Expert Team ၊ VIP Version ၊ Civil Registration ၊ Lighting System, Moving Map and Entertainment ၊ Toilet Sign ၊ Airbus A319 ၊ VIP Version ၊ YAECO ၊ MRO ၊ Business Seat ၊ Economy Seat
Proposal

II. Proposal for YAECO & ATR 72 Full Cargo Conversion and Troop Seats with Containers Version Stage 1

Stage 1: Full Cargo Stage

Stage 2: Overhead Bins, Ceilings, Side Walls, Partitions and Galley Cargo Kits (Ceilings and Side Walls) Total Surface: 400 kg/m² Reinforced Floor Panel Cargo Net, Smoke Alerting System, Cargo Compartment

Lighting Forward Cargo Door Modification Stage 2 Seat Belt

Stage 2 Troop Seats

USD 550,000.00 Supplements / Aircraft Manuals

II. YAECO Proposal

Weight and Balance
Cargo Cabin Floor Roller Pallets Skill Engineer Training Warranty

YAECO Powerpoint

A-319 VIP Configurations (Options and Scenarios)

ATR-72 Fully Cargo Conversion And Troops Seats With Containers Version
A319 – VIP CONFIGURATIONS
(OPTIONS & SCENARIOS)

- 2 OPTIONS
- 4 SCENARIOS
OPTION -1

10 Pax VIP seats

66 to 72 pax Y class depends on the pitch

2 Pax Long sofa

115 Total Passengers
6 Business Class Seats
105 Economy Class Seats

4/21/2018
OPTION - 2

16 Pax VIP seats

44 pax Y class

2 Pax long sofa

113 TOTAL PASSENGERS
8 BUSINESS CLASS SEATS
105 ECONOMY CLASS SEATS

4/21/2018
From full Y/C to Semi VIP, EASA certification

Scenario 1

- Standard airline lining, side wall panel, ceiling panel kept
- New carpet, partitions and curtains
- New seats, tables and sofa
- Seat shall be operated mechanical (9g)
- Lateral OHSC kept

For reference

Price: TBA
Lead time: 8 months
From full Y/C to Semi VIP, EASA certification

Scenario-2

Standard airline lining, side wall panel, ceiling panel kept
New carpet, partitions and curtains
New seats, tables and sofa
Seat shall be operated mechanical (9g)
Lateral OHSC remove in VIP zone

Price: TBA
Lead time: 8 months
From full Y/C to Semi VIP, EASA certification

Scenario-3

Standard airline lining, side wall panel, ceiling panel kept
New carpet, partitions and curtains
New seats, tables and sofa
Seat shall be operated mechanical (9g)
Lateral OHSC remove in VIP zone
  - one media server connected to two WAP to provide AVOD on Wifi
  - Power USB to be installed close to VIP seat and sofa

AVOD - Audio/Video On Demand
WAP - Wireless Application Protocol

Price; TBA
Lead time; 8 months
Scenario 4

lining to be decorated with Alcantara (Luxury),
Lateral OHSC remove in VIP zone
New carpet, partitions and curtains
New seats, tables and sofa
Seat shall be operated mechanical (9g)
- one media server connected to two WAP to provide AVOD on Wifi
- Power USB to be installed close to VIP seat and sofa

Price: TBA
Lead time: 8 months

For reference standard VIP
PROJECT COST

Minimum ROM price for OPTION-1 + Scenario 1 - USD 2.5 millions

Price includes:
- EASA STC + KITs
- New partitions, curtains, lighting, Emergency equipment
- Concern Manuals such as AMM, WBM, AWM, AFM, FCOM, IPC so on....
- EASA 145 MRO cost (Estimated ~ USD 700,000 and TAT one month)
- On site support on selected MRO

Price excludes:
- Shipping and freight charges of the KITs
- Licenses, Duty and Tax
- Ferry flight cost to and from MRO

3-11-2018
PROJECT COST

Depends on:
- Matching of Option and Scenario
- EASA 145 Certification is required or not
- Choosing MRO
- Customer additional requirements

Suggestion

- Kindly be advised to change the configuration while under civilian registration.
CONTENT

1. Modification plans and stages
2. Package contents and Pricing
3. Supplemental Type Certificate (STC)
4. Terms exclude from STC
5. Lead time
6. Training
7. Warranty
1. Modification plans and stages

- Modification will be in 2 stages

  - Stage 1 (Full cargo conversion)
    - Removal of overhead bins, ceilings, side walls, partitions and galley.
    - Installation of a new auxiliary structure (ceilings and side walls) to withstand the inertial loads required by the regulations. 12 tracks with hard points to attach the cargo nets.
    - Installation of reinforced floor panel (400Kg/m²)
    - Forward cargo door modification to allow the inboard opening
    - A new smoke alerting system is installed
    - Installation of dome lights in the cargo compartments
## 2. Package contents and Pricing

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
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<tbody>
<tr>
<td>1</td>
<td>STC + Full kit (2 aircrafts)</td>
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<tr>
<td>2</td>
<td>Troop seats/containers kit (2 aircrafts)</td>
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<tr>
<td>3</td>
<td>Advisor on-site (First aircraft)</td>
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<tr>
<td>4</td>
<td>Advisor on-site (Second aircraft)</td>
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</tbody>
</table>

**MRO (YAECO) Cost for conversion of 2 aircrafts**
- Kits shipping and freight charges
- (TAT- around 5 Weeks per aircraft)
Supplemental Type Certificate (STC)

- Ground tests will be performed.
- Configuration change will be taken around 5 weeks at YAECO.
- The following supplements/Aircraft Manuals will be provided in digital format after configuration changed:
  - Supplement to AMM
  - Supplement to AFM
  - Supplement to Wiring Diagram
  - Supplement to IPC.
  - Supplement to MPD and related JICs.
  - Supplement to MMEL.
  - Service Bulletin or Installation Manuals.
4. Terms exclude from STC

- Shipping, insurance, duty and tax costs.
- Aircraft damage found during installation.
- Spare parts (any parts that are in the modification kit).
5. Lead time

- The first kit for the cargo conversion is in stock, to be shipped to designated facility.
- Troop seats and containers for first aircraft must be shipped not later than 5 weeks after PO.
- The second kit (including troop seats and containers) will be available within 5 weeks after PO.
6. Training

- During the first installation, a skill engineer will be assigned to conduct necessary training.

7. Warranty

- A warranty of 12 months or 2000FH, whichever comes first for the parts and equipment included in the conversion.
- This warranty does not cover wrong handling, wear, tear and aging in general.
- Stage 2 (Troop seats and containers installation)
  - The seats to be used for troop transportation are installed in the cargo deck and are fit for optimum clearance and evacuation in case of emergency.
  - The containers are attached to the aircraft seat tracks. Payload to be used in containers must show compliance with max load allowed in floor panels (400 kg/m²) and seat-tracks strength.
  - The emergency exists are available and ready to be used in case of emergency evacuation.
  - Each troop seat will be installed with a TSO C-22 safety belt.
FOLDABLE TROOP SEATS

TROOP SEATS AND CONTAINERS CONFIGURATION
ATR-72
FULLY CARGO CONVERSION AND
TROOP SEATS WITH CONTAINERS VERSION
FULL CARGO CONFIGURATION