

## **ANNEXURE A: SCOPE OF WORK**

### **SCOPE OF WORK - FOR THE PROVISION OF AVIATION CERTIFICATION RENEWALS, OPERATIONAL LICENSE REVALIDATIONS, AND RELATED SERVICES FOR TRANSNET NATIONAL PORTS AUTHORITY FOR A PERIOD OF THREE (3) YEARS.**

#### **1. Background - Transnet National Ports Authority**

- 1.1. Transnet National Ports Authority (TNPA) being the key channel of sea borne trade, invariably, has to compete to attract high traffic density of ships by offering efficient methods of handling goods, at the most competitive cost and having well developed corridors linking major economic hinterlands of our country. Therefore, turnaround time in all elements of the logistics chain becomes more manageable when there is coordination and integration in service offering.
- 1.2. For this reason, it is no surprise that the basis of global competitiveness has evolved from traditional economies of scale to innovative methods of improving and boosting operational efficiency and shortening lead times by utilising the Category A certified, Performance Class 1, Offshore configured helicopters to hoist marine pilots on to and off vessels calling on the Ports of South Africa. This is the most safe and efficient means of transport and method to reduce the time factor associated with the transfer of marine pilots to and from vessels.
- 1.3. The Aviation department within TNPA must ensure serviceability of their four (4) helicopters and growing fleet; adhering to all legal, operational and maintenance requirements. Any sector failing to comply with its own requirements has a drastic effect on this specialized operation and impacts business continuity. All TNPA Aviation Operating Approvals, Helicopter Flight Crew and Aircraft Maintenance Engineers are governed by the South African Civil Aviation Authority (SACAA) and have to comply with the standards set by the operator (TNPA Aviation Department) and the regulator, South African Civil Aviation Authority (SACAA).

## **2. Background - South African Civil Aviation Authority (SACAA)**

- 2.1. The SACAA governs and regulates all legal aspects of aviation in South Africa. All these rules and regulations are categorized and recorded in the SA-CARs (Civil Aviation Regulations) and SA-CATS (Civil Aviation Technical Standards). "Parts" categorize the sectors allowing easier navigation through the CATS and CARs.
- 2.2. Once a Helicopter Pilot obtains a CPL (Commercial Pilots License) and an ATPL (Airline Transport Pilots License) and an Aircraft Maintenance Engineer obtains an AME (Aircraft Maintenance Engineer) License, there are many legal requirements in terms of Parts 61 (Pilot Licensing), 66 (Aircraft Maintenance Engineer Licensing), 67 (Medical Certification), 91 (General Aviation and Operating Flight Rules, 92 (Dangerous Goods), 109 – 111 (Aviation Security), 127 (Commercial Helicopter Operations), 128 (Helicopter Aerial Work and Certain Other Air Service Operations), 133 (Helicopter External-Load Operations), 140 (Safety Management System) that need to be maintained to successfully fulfil their roles in the TNPA Aviation Operation.
- 2.3. In addition to personnel licensing, there are various legal aviation certifications and approvals required for TNPA Aviation, namely a Part 127 AOC (Air Operator Certificate), Part 145 AMO (Aircraft Maintenance Organization), Part 141 ATO (Aviation Training Organization) and Part 139 Heliport/Heliport certification. All the above-stated aviation licenses, certifications and approvals must be periodically renewed/revalidated.
- 2.4. The appointed service provider will be required to facilitate the renewal/revalidation of all TNPA personnel licenses/ratings and aviation certification/approvals as per the South African Civil Aviation Authority Regulations and Technical Standards.
- 2.5. In the event that the revalidations of all TNPA personnel licenses/ratings and renewals of TNPA Aviation certifications and approvals are not facilitated as per the South African Civil Aviation Authority Regulations and Technical Standards, TNPA would not be able to provide the required marine services in line with customer expectations.

### **3. Aviation Training Organisation (ATO) Requirement**

- 3.1. The appointed service provider would need to be the holder of a valid South African Civil Aviation Authority (SACAA) Aviation Training Organisation (ATO) approval in accordance with South African Civil Aviation Regulations (SA-CARs) and Technical Standards SA-CATS) Part 141. This would provide for efficient and seamless Aviation license requirements in accordance with all applicable legislation as required by TNPA Aviation.

### **4. Designated Flight Examiner (DFE) Requirement**

- 4.1. An annual Pilot License renewal / Instrument Rating revalidation assessment must be conducted with a Designated Flight Examiner (DFE) registered with the SACAA in accordance with SA-CARs 61.26.2. This License Renewal is conducted to ensure that the helicopter pilot maintains a high and safe standard of flying in accordance with South African Civil Aviation Regulations and Technical Standards and remains competent to fulfil their role in a commercial environment. If not completed within the required timeframe, the helicopter pilot cannot exercise his/her privileges as a Commercial Pilot or Airline Transport Pilot, and this will have a negative impact on TNPA operations.
- 4.2. According to the Certificate Verification section of the SACAA website, there are approximately fourteen (14) listed valid Helicopter DFE 1 certifications in South Africa. In order for a DFE to be recognised within the TNPA operational environment, certain requirements have to be fulfilled. The DFE must be rated on the helicopter that is utilised by TNPA i.e., the Leonardo AW109 series. This will allow TNPA helicopter pilots to conduct an I.F. License Revalidation on a helicopter that is utilised by TNPA Operations. Therefore, the service provider must be affiliated with a suitably qualified DFE (I) (Designated Flight Examiner: Grade 1) with a valid Aviation Class 1 Medical, required by TNPA Aviation Operations.

### **5. TNPA Aviation Operational Requirements**

- 5.1. TNPA Aviation adheres to specific Standard Operating Procedures, structured within the SACAA and standard offshore protocol. This is to ensure the highest level of safety possible, in such a high-risk operation. Flight Crew and Aircraft Maintenance Engineers cannot perform their required duties in accordance with SACAA unless all qualifications and related recurrency courses are maintained as listed further below. TNPA therefore reserves the right to recommend and select the appropriate DFE (Designated Flight Examiner), DAME (Designated Aviation Medical Examiner) and training course facilitators as and when required.

## 6. Deliverables

The following deliverables will be required as needed, and, before expiry of each TNPA Aviation Certification/Approval, personnel license/rating, and related courses in accordance with the South African Civil Aviation Regulations (SA-CARs) and Technical Standards (SA-CATS), Department of Transport Legislation and Transnet requirements as applicable to TNPA Aviation Operations:

### 6.1. TNPA Aviation Approvals (Renewals/Amendments/Endorsements)

- 6.1.1. Air Service License (ASL) – Air Services Licensing Act, Section 17(1) of Act No. 115 of 1990
- 6.1.2. Air Operator Certificate (AOC) – CARs 127.06.4
- 6.1.3. Aircraft Maintenance Organisation (AMO) – CARs 145.02.9 & 145.02.11
- 6.1.4. Aviation Training Organisation (ATO): Dormancy Uplift Required – CARs 141.01
- 6.1.5. Aerodromes and Heliports – CARs 139.02.08

### 6.2. TNPA Flight Crew Licensing and Certifications

- 6.2.1. Aviation Medical Certification – CARs 61.01.6 & 67.00.6
- 6.2.2. Commercial Pilot License–Helicopter (CPL – H): Renewals/Rating Endorsements/Remedial Training Simulator) – CARs 61.06.6 & 61.06.7
- 6.2.3. Airline Transport Pilot License –Helicopter (ATPL – H) : Renewals/Ratings/Amendments/Remedial Training Simulator) – CARs 61.08.6 & 61.08.7
- 6.2.4. Instrument Rating: Revalidations/RNAV (Area Navigation) and RNP (Required Navigation Performance) Endorsements/Remedial Training Simulator) – CARs 61.11.6 & 61.11.7
- 6.2.5. Instructor Rating Grade III: Revalidations (TNPA Aircraft) – CARs 61.15.6 & 61.15.7
- 6.2.6. Instructor Rating Grade II: Revalidations (TNPA Aircraft) – CARs 61.16.6 & 61.16.7
- 6.2.7. Helicopter Winching Ratings – CARs 61.23
- 6.2.8. Sling Load Ratings – CARs 61.22
- 6.2.9. Crew Resource Management: Certification Renewals – 127.03.4 (1) (b)
- 6.2.10. Dangerous Goods: Certification Renewals – CARs 127.03.4 (1) (k)
- 6.2.11. Offshore Survival training including Helicopter Underwater Escape Training (HUET): Initial Certification and Renewals – CARs 127.03.4 (1) (c) (ii)
- 6.2.12. Safety and Emergency Procedures Training (SEPT) – CARs 127.03.4 (1) (c) (i)
- 6.2.13. Aviation Security training (AVSEC) – CATS 127.03.04-4. and CARs 109.01.1
- 6.2.14. Multi Crew Cooperation training (MCC) – SACAA Form Number CA 61-09.20
- 6.2.15. Hazchem Certification – National Road Traffic Act of South Africa Act 93 of 1996

6.2.16. Code 10 and Professional Driving Permit (PrDP) – National Road Traffic Act of South Africa Act 93 of 1996

**6.3. TNPA Aircraft Maintenance Engineer Licensing and Certifications**

- 6.3.1. Aircraft Maintenance Engineer (AME) License: Renewals – CARs 66.02
- 6.3.2. Aircraft Maintenance Engineer (AME) Instructor Rating Grade I and II: Renewals – CARs 66.03
- 6.3.3. Human Factors – 4 sessions – CARs Part 66.02.3 (2) (d)
- 6.3.4. Corrosion Control – 4 sessions – CARs Part 43
- 6.3.5. Civil Aviation Regulations – CARs 66.02.3 (2) (b)

**6.4. All TNPA Aviation Personnel**

- 6.4.1. Safety Management System – 4 sessions – CARs Part 140

The prescribed regulations are accessible online at [www.caa.co.za](http://www.caa.co.za)