



## **JOB ANALYSIS REPORT** **DVOR (THALES) MAINTENANCE COURSE**

### **1 INTRODUCTION**

The course development unit at Civil Aviation Training College (CATC) is developing a Standardized Training package (STP) for inclusion in the ICAO TRAINAIR plus Library, on the subject of “Thales DVOR Maintenance”. The STP, has been allocated a code no ‘164/033/DVOR MTC Thales’, by ICAO Trainair plus and is equipment specific.

As a part of the Job analysis, in order to better understand the job of the maintenance personnel in a real environment, the Course development decided to analyze the job by discussions with Subject Matter Experts and observations in the field.

A major station i.e. Chennai, a medium level station Jaipur and a small station i.e. Dehradun, were chosen for this purpose as all these stations are having Thales DVOR.

### **2 JOB ANALYSIS PROCESS DESCRIPTION.**

With the intention to have a detailed examination of the Job under analysis the CDU team visited the above stations. The team comprised of Mr Vikram Kapur Chief CDU, Mr Manoj Chansoria, Mr Ajaya Pathak and Mr Anami Pandey – Course developers. Interviews were carried out at the field stations with the following Officers/ Subject Mater Experts.

#### **CHENNAI**

- a) Mr V Govardhan      G M (CNS)
- b) Mr G W Ghanmode    Jt GM(CNS) In Charge RTC
- c) Mr George Desilva    Jt GM(CNS) In-charge Nav Aids
- d) Mr Sethu Ganeshan   AGM(CNS) In-Charge DVOR
- e) Mr Govind Raj        Mgr (CNS)



## JAIPUR

- |                       |                              |
|-----------------------|------------------------------|
| a) Ms Rama Gupta      | Jt GM(CNS) In –Charge CNS    |
| b) Mr P C Bhatt       | AGM(CNS) In –Charge Nav aids |
| c) Mr Anil Kumar      | AGM(CNS) In-Charge DVOR      |
| d) Mr Kamlesh Kumar   | Mgr (CNS)                    |
| e) Mr Ram Gopal Singh | Mgr(CNS)                     |

## DEHRADUN

- |                    |                              |
|--------------------|------------------------------|
| a) Mr K M Nehra    | Airport Director             |
| b) Mr A N Sharma   | AGM(CNS) In- Charge CNS      |
| c) Mr G C S Rawat  | AGM(CNS) In- Charge Nav-Aids |
| d) Mr M S Rawat    | AGM(CNS) In – Charge DVOR    |
| e) Mr Mukesh Kumar | AM(CNS)                      |

### 3 **ANALYSIS OF JOB**

The purpose of ‘**job analysis**’ was to divide the job of a DVOR Maintenance personal into various functions and each function into tasks and each task into sub tasks.

After the job has been split into job/task/sub-task, it was required to collect data on the skills, knowledge and attitude requirement for each Sub Task.

In this regard discussions were held with the local SMEs and the GM (CNS) CIC at CATC.

During field visits, to Chennai, Jaipur and Dehradun, discussions were also held with the Station-in-Charge (CNS) and the Nav aids-in-charge .

The following information was collected on the job of DVOR Maintenance.

- **Functions**
- **Task required to be performed for each function**
- **Sub –tasks required to be completed to complete each task.**
- **Skill/Knowledge/attitude required to perform each task.**



**DACUM** session was conducted with the local SMEs, based on the inputs received from Stations, the **Trainair plus Course development form 1(Task list)** and **Course development form 2 (task description)** were completed along with the Local SMEs.

#### **4 JOB DESCRIPTION**

Based on the analysis carried out locally and the field visits, the job of the 'DVOR Maintenance Personal' is described as below

**Job Title:** **DVOR (THALES) Maintenance Engineer**

**Organization:** Airports Authority of India, ANS

**Job Location:** All aerodromes /en-route facilities in India where THALES DVOR equipment is installed

**Entry Qualification:** Degree In Engineering (Electronics & Communication/Elect & Electronics)

**Language Proficiency:** Fluency in spoken, written and reading English is necessary and working knowledge in Hindi is desirable.

**Functions:** The job of a DVOR maintenance Engineer entails the following Functions:

- 1) **Thales DVOR Operations**
  - a) Operate Thales DVOR
- 2) **Preventive Maintenance of DVOR Equipment**
  - a) Perform daily maintenance
  - b) Perform weekly maintenance
  - c) Perform monthly maintenance
  - d) Perform Six monthly maintenance
  - e) Perform Annual maintenance
  - f) Perform Special Seasonal Maintenance
  - g) Organize Flight Calibration



### 3) **Corrective maintenance of DME**

- a) Perform Fault Identification
- b) Perform Fault Rectification

## 5 **CONCLUSION**

The result of the **job analysis**, is the completed Trainair **plus course development forms 1 and 2** and the same are attached herewith.

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