

# **Training of Heliports rescue & fighting personnel**

إزفت : البديل الهيروغليفى لكلمة الخطر



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# Agenda:

1. Introduction
2. ECAA role
3. Training categories
4. Examples
5. Training result
6. Training benefits
7. Training contents
8. Training components

# 1- Introduction

This presentation presents the action taken by ECAA (central administration of aerodromes safety & standards) regarding the implementation of HRFF personnel training as required in annex 14 volume II & ECAR 138 in order to assist Egyptian heliports operators to raise the safety & comply with Egyptian regulation.

## 2- ECAA Role :

2-1 ECAR Part 138 prescribes rules governing the certification and operation of heliports intended to be either wholly or in part used for the arrival, departure and surface movement of helicopter operations

2-2 The most important factors bearing on effective rescue in a survivable helicopter accident are the training received, the effectiveness of the equipment and the speed with which personnel and equipment designated for rescue and fire fighting purposes can be put into use

## 2- Cont. ECAA role :

2-2 ECAA held seminars , workshops & training courses to assist Egyptian heliports operators to raise the safety & comply with Egyptian regulation. and also review heliport projects before constructions to comply with regulation ( see attachment NO 1 )

# 3-Training Categories

One of the important training are HRFF personnel training falls into two categories:-

- basic training; and
- operational tactics training which cover the deployment of personnel and equipment to control the fire at critical area and isolate fuselage from fire to permit rescue operation to proceed.

# 4- Examples

Egyptian civil aviation authority trained ARFF personnel In many Egyptian heliports operators for example (SUCO – GUPCO - BETROPEL-ZETCO - ELTEMSAH - etc ) specially operational tactics. by making simple model of helicopter . ARFF personnel are trained theoretically practically (method of approaching – positioning equipment – Evacuation – Internal fire — engine fire ), Course Syllabus is attached ( see attachment NO 2 )



## 5- Training results

ECAA noticed that These training courses enhanced fire fighters skills and knowledge required to meet the demanding challenges of helicopter fire fighting and rescue operations at Egyptian heliports (which been reflected on their performance during ECAA inspections and during full scale exercises )

## 6- Training benefits :

During last ICAO audit process ECAA presented those training courses as evidence to reply some ICAO PQs , ICAO auditor appreciated these efforts and accepted it as a good practice to comply with requirements .

# 7- Training content

ECAA course provides skills necessary to perform heliports rescue& fire fighting duties .Class room presentation includes ECAA rules and regulation , helicopter and heliport Familiarization, fire behavior, HRFF apparatus PPE, Rescue and fire fighting procedures, Incident command and Helicopter communication .

# Practical Training



# Practical Training



# Practical Training



# Practical Training





# Practical Training





# Practical Training



# Practical Training





# Practical Training



# Practical Training





# Practical Training



# Practical Training



# Practical Training





# Practical Training





# Practical Training



# Rescue tools



# Some HRFF equipment malfunction





# Some HRFF equipment malfunction



# Practical Training



# Practical Training





# Practical Training



# Practical Training





# Helicopter familliarisation



# Helicopter familliarisation



# Practical Training





# Practical Training



## 8- Training components:

Practical session include life engine fire , cabin fire, fuel spill, flammable liquids, hand line deployment , agent application techniques, ladders, ventilation, approach techniques, review dry chemically , foam type application techniques..etc.

## 8- Training components:

- Student will rotate through each fire type and be assigned to teams to deal with the simulated aircraft accident, fuel spill under pressure. Upon successful completion of the written and practical examination, student will be qualified and receive ECAA certificate.

# Refreshment courses

- Refreshment courses are carried out by the same procedures.

# Examination





# نتيجة إمتحان دورة الإنقاذ و الإطفاء للطائرات الهليكوبتر المنعقدة

## بشركة السويس للزيت (سوكو)

بحقول رأس فنار فى الفترة من 9 الى 13/ 6/ 2013

الاسم	الإمتحان النظرى														ملاحظات
	س١ ١٠	س٢ ١٠	س٣ ١٠	س٤ ١٠	س٥ ٥	س٦ ٥	س٧ ٥	س٨ ٥	س٩ ٥	س١٠ ٥	مجموع النظرى ٧٠	الحضور و الواجبات ١٥	العملى ١٥	المجموع الكلى ١٠٠	
١ محمد على سليم	٩,٥	١٠	١٠	٩	٥	٥	٤	٥	٤	٣	٤	١٤	١٥	٩٣,٥	ناجح
٢ أحمد على محمد على	٩	٩	٩	٩	٥	٥	٥	٥	٥	٤,٥	٥	١٣,٥	١٤	٩٣	ناجح
٣ عادل أحمد عبدالحليم	٨	٩	٩	٨	٤,٥	٥	٤,٥	٥	٥	٥	٤	١٣,٥	١٣	٨٨,٥	ناجح
٤ مسلم عامر محمد صالح	٧	١٠	٩	٧	٥	٤,٥	٤	٤,٥	٤	٤	٤	١٤	١٥	٨٨	ناجح
٥ خالد طه عبدالله العفيفى	٩	١٠	٨	٧	٥	٤	٤	٥	٤	٣,٥	٥	١٤	١٣	٨٧,٥	ناجح
٦ عبد الصمد شقير حسن	٩	٦	٩	٨	٥	٥	٣	٤,٥	٥	٥	٥	١٤	١٣	٨٦,٥	ناجح
٧ محمد عبد القادر عبد اللطيف	٨	٩	١٠	٨	٤,٥	٣	٥	٤	٤	٤,٥	٦٠	١٣	١٣	٨٦	ناجح
٨ صبرى أحمد المنسى	٨,٥	٩	٨	٩	٤,٥	٣	٤	٥	٤	٤	٥٩	١٣	١٤	٨٦	ناجح
٩ محمد سيد محمد أحمد	٧	١٠	٩	٩	٤,٥	٥	٥	٢	٤	٤	٥٧,٥	١٢	١٢,٥	٨٢	ناجح
١٠ أحمد سالم على سالم	٨,٥	٩	٨	٧	٤,٥	٥	٣	٣	٣	٤	٥٥	١٢	١٢	٧٩	ناجح
١١ خالد خيرى سليمان	٦	٨	٥	٨	٥	٣	٤	٥	٤	٤	٥٢	٩	١١	٧٢	ناجح
١٢ أحمد محمد عباس يوسف	٨	٨	٧	٦	٤	٤	٤	٢	٣	٤	٥٠	١٠	١٢	٧٢	ناجح