



Agenda Item 4: Activities carried out by the Civil Aviation Training Centres of the Region

Agenda Item 5: Follow-up of the implementation of training activities in air navigation, safety and other aviation areas in the Region

ACHIEVEMENTS OF THE *INSTITUTO UNIVERSITARIO DE AERONAUTICA CIVIL MAYOR (AV) MIGUEL RODRIGUEZ (IUAC)*

(Presented by Venezuela)

Summary	
This paper informs the Meeting on the achievements of the Instituto Universitario de Aeronáutica Civil Mayor (Av) Miguel Rodríguez (IUAC) during 2020-2021.	
References: <ul style="list-style-type: none">• ICAO Doc 9868 – Procedures for Air Navigation Services - Training• Latin American Regulation 141 (LAR 141)• Venezuelan Aeronautical Regulation 141 (RAV 141)• ICAO Annex 19 – Safety• ICAO Doc 9859 – Safety management manual• Resolutions issued by the <i>Ministerio del Poder Popular para la Educación Universitaria</i>	
ICAO strategic objectives:	<i>A – Safety</i> <i>B- Air navigation capacity and efficiency</i> <i>C- Economic development of air transport</i>

1 Introduction

1.1 Aviation development requires compliance with the rules and regulations in force, safety and quality being one of its fundamental axes to carry out operations. This demands the participation of all the actors involved in this process, thus the education and training of aeronautical personnel requires special attention.

1.2 The *Instituto Universitario de Aeronáutica Civil Mayor (Av) Miguel Rodríguez (IUAC)*, attached to the *Instituto Nacional de Aeronáutica Civil (INAC)* and to the *Ministerio del Poder Popular para la Educación Universitaria*, has the main mission to educate, train and monitor teaching activities conducted at its centre, in its different modalities. In this regard, it obtains guidance and direction from the Ministry for the development and delivery of undergraduate and graduate courses.

2 Discussion

2.1 Despite the global situation, the Institute expects to deliver university degrees next December 2021 to a total of 85 new aeronautical professionals, with specialisation as: **Air Traffic Controller (ATC), Aeronautical Telecommunications Operator (ATO), Search and Rescue (SAR) officer, and Radiocommunications (TRA) technician.**

2.2 Despite the global pandemic, as part of its achievements, the IUAC continues to work in the design and production of curricular programmes on **civil aviation engineering, aeronautical maintenance**, and on a **bachelor's degree in airport operations**. It is also working in the design of **Master's and Doctorate degrees in aeronautical sciences** (still in progress), and **Diplomas in Research, Avionics and Computer Systems for aeronautical parts design** have been added.

2.3 The *Ministerio del Poder Popular para la Educación Universitaria* approved the **bachelor's degree in civil aviation, as well as a major in cockpit crew (pilot) management**, which will begin to be delivered in 2022.

2.4. An important development during these two years has been the **public contest of scientific and informative articles** for the aeronautical sector, whose objective is to promote research and postgraduate studies in the national and international aeronautical community, with emphasis on innovation, with a vision of the future, and aimed at the promotion and development of the national aviation industry, and the updating and modernisation of the sector's operations, to achieve a safe, efficient and reliable aviation. In support to this research process, our magazine *El Aerodino* was born, to publish and disseminate articles on topics of relevance to aviation.



2.5. The IUAC has continued with its national training process, since aviation in general does not stop in its entirety. In order to promote safety and security, it continues to provide training and professionalisation of personnel, based on the requirements and needs of staff from different regions of Venezuela. In 2020, **69** courses were conducted in different areas for a total of **1,164** technicians, and in 2021, **38** courses were delivered to **627** aeronautical technicians, until the month of October. Hereunder is their description:

2020 DIPLOMAS AND COURSES DELIVERED	
DIPLOMAS	AVIATION LAW (ONLINE) (05)
	AVIATION MEDICINE
	AVIATION PSYCHOLOGY
COURSES	SAFE TRANSPORT OF DANGEROUS GOODS BY AIR (INPERSON)
	SAFE TRANSPORT OF DANGEROUS GOODS BY AIR (7 courses) (ONLINE)
	SAFETY MANAGEMENT SYSTEM (2 courses) (ONLINE - 40 hours)
	SAFETY MANAGEMENT SYSTEM (4 courses) (ONLINE – 16 hours)
	SAFETY MANAGEMENT SYSTEM (16 hours/ IN-PERSON) (2 courses)
	SAFETY MANAGEMENT SYSTEM (4 courses) (40 hours) IN-PERSON
	VIRTUAL FACILITATOR - BASIC (2 courses)
	VIRTUAL FACILITATOR - ADVANCED
	INITIAL TRAINING COURSE FOR AERODROME OR AIRPORT SECURITY OFFICERS (THEORETICAL PHASE, 34 hours, 4 Courses)
	RECURRENT COURSE FOR SECURITY AGENT (2 courses)
	HUMAN FACTORS IN AVIATION (2 courses)
	INITIAL TRAINING COURSE FOR AERODROME OR AIRPORT SECURITY SUPERVISORS
	AVIATION FIREFIGHTERS – BASIC
	TEACHER INDUCTION
	TEACHER TRAINING - RECURRENT
	AIR TRAFFIC CONTROLLER – BASIC
	SMS INSTRUCTOR TRAINING
	AVIATION ACCIDENT INVESTIGATION
	AVSEC TRAINING - RECURRENT
	AVIATION INSPECTOR
	CABIN CREW MEMBER
INAC STAFF UPDATE PLAN (HUMAN FACTORS / AVIATION LAW / AVSEC / SMS / AIRWORTHINESS) more than 250 people trained through a continuous plan of lectures and online video conferences.	

2021 (January – October) DIPLOMAS AND COURSES DELIVERED	
DIPLOMAS	AVIATION LAW (ONLINE) (5 diplomas)
	AVIATION MEDICINE
	AVIATION PSYCHOLOGY
COURSES	ATS SURVEILLANCE – SPECIAL (2 courses)
	AIR TRAFFIC CONTROLLER - BASIC
	INFORMATION ON AERONAUTICAL COMMUNICATIONS (ICA)
	AVIATION INSPECTOR
	SAFETY MANAGEMENT SYSTEM (40 hours) (5 courses)
	PERFORMANCE-BASED NAVIGATION (3 courses)
	TEACHER INDUCTION (2 courses)
	SAFE TRANSPORT OF DANGEROUS GOODS (4 courses)
	HUMAN FACTORS IN AVIATION
	VIRTUAL FACILITATOR - BASIC (7 courses)
	SMS INSTRUCTOR TRAINING
	INITIAL INTRODUCTION TO AVIATION MEDICINE
	TOA/ICA NRO LEVELLING
	TEACHER INDUCTION - RECURRENT
	CABIN CREW MEMBER
	SECURITY INSTRUCTORS TRAINING
	INITIAL COURSE FOR AERODROME OR AIRPORT SECURITY OFFICERS (THEORETICAL PHASE, 34 hours) (4 courses)
	INITIAL COURSE FOR AERODROME OR AIRPORT SECURITY SUPERVISORS (3 courses)
	INITIAL TRAINING FOR AIRCRAFT OPERATOR'S AIRCRAFT MAINTENANCE PERSONNEL
	INITIAL TRAINING FOR OPERATOR'S SECURITY AGENTS (2 courses)
	CIVIL AVIATION SECURITY AWARENESS (2 courses)
	THEORETICAL EVALUATION FOR SECURITY INSTRUCTOR CERTIFICATION (4 courses)
	INITIAL COURSE FOR AIRCRAFT OPERATOR'S GROUND SECURITY COORDINATORS
	INITIAL TRAINING COURSE FOR AIRCRAFT OPERATOR'S FLIGHT CREWS UNDER AERONAUTICAL REGULATION 121
	INITIAL TRAINING COURSE FOR AIRCRAFT OPERATOR'S CABIN CREWS
	ANTICIPATION, APPREHENSION AND IDENTIFICATION OF PERSONS WITH SUSPICIOUS BEHAVIOUR
	PROJECT MANAGEMENT FUNDAMENTALS AND CERTIFICATION GUIDANCE (APPLIED TO ENGINEERING)

2.6. Training activities planned for 2022

 Gobierno Bolivariano de Venezuela		Ministerio del Poder Popular para el Transporte Acuático y Aéreo		Instituto Universitario de Aeronáutica Civil		 IUAC							
<h1>PROGRAMACIÓN CURSOS 2022</h1>													
PROGRAMACION CURSOS 2022			ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV
Nº	CURSOS	Horas											
1	Curso normalizado SMS (según norma piso)	40											
2	CMDN Información y Cartografía Aeronáutica	40											
3	CCAM	380	Según Requerimiento										
4	Servicio Móvil	450	Según Requerimiento										
5	CTA Avanzado	1070	Según Requerimiento										
6	Vigilancia ATS	220											
7	PBN	40											
8	Mercancías Peligrosas (ON LINE)	40											
9	Mercancías Peligrosas Presencial	40											
10	Diplomado en Docencia	256											
11	Diplomado Derecho Aeronáutico	232											
12	TIA Básico	1340											
13	Inspectores Aeronáuticos	262	Según Requerimiento / Horas según especialidad										
14	Básico de Bomberos Aeronáuticos	501	Según Requerimiento										
15	Facilitador Virtual Básico	40											
16	Facilitador Virtual Avanzado	50											
17	CMDN VHF A E	40											
18	Instructor Técnico	120											
19	Recurrente ARO/AIS	40											
20	Recurrente de Servicio Fijo	50											
21	Recurrente de CCAM	40											
22	Recurrente de Vigilancia ATS	40											
23	Tripulante de Cabina de Pasajeros	498	Según Requerimiento										
24	Recurrente de Servicio Móvil	40											
25	Recurrente de Instructor ATS	40											

 Gobierno Bolivariano de Venezuela		Ministerio del Poder Popular para Transporte Acuático y Aéreo		Instituto Universitario de Aeronáutica Civil		 IUAC							
<h2 style="color: blue;">PROGRAMACIÓN CURSOS 2022</h2>													
PROGRAMACION CURSOS 2022			ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV
Nº	CURSOS	Horas											
26	CMDN Aviation English Language Proficiency Interviewer / rater	80											
27	Seminario para Evaluadores de Vuelo	16											
28	Bomberos Aeronáuticos Avanzado	382											
29	Recurrente de Inspectores Aeronáuticos	40											
30	Recurrente de Instructor Técnico / Inducción Docente	16											
31	Comando Bomberos Aeronáuticos	280	Según Requerimiento										
32	Construcción de Procedimiento de vuelo visual y por instrumento	200	Según Requerimiento										
33	Medicina Aeronáutica	92											
34	Curso normalizado de Familiarización y compromiso aeronáutico	16											
35	Recurrente de Control de Aeródromo	40											
36	Inicial de Agentes de Seguridad de Aeródromo	192											
37	AVSEC para Jefes de Seguridad	32											
38	Diplomado de Prevencion e Investigación de accidentes	256											
39	Curso Normalizado SMS (según norma piso)	16											
40	CMDN VOR SELEX	40											
41	Curso Normalizado Sistema Terrestre VOR Básico	24											
42	Curso Básico Radar SELEX	40											
43	TOA Básico	808	Según Requerimiento										
44	Curso Normalizado Ética para Inspectores	16											
45	Diplomado de Psicología Aeronáutica	258											
46	Diplomado de Medicina Aeronáutica	234											
47	Seminario para Evaluadores de TMA	16											

PROGRAMACION CURSOS			ENE	FEB	MAR	ABR	MAY	JUN	JUL	AGO	SEP	OCT	NOV
48	Recurrente Bomberos Aeonauticos	40											
49	Diplomado de Avionica	228	Según requerimiento										
50	Tecnico de Mantenimiento Aeonautico	1332	Según requerimiento										
51	Diseño y simulacion de piezas aeroespaciales.	266	Segun requerimiento										
52	CMDN Aseguramiento de la calidad en el mantenimiento aeronautico	49	Según requerimiento										
53	Diplomado de investigacion para la gestion aeronautica	230	Segun requerimiento										
54	NOTAM	24											
55	Publicaciones aeronáuticas	16											
56	Taller ASBU	16											

3. Conclusion and suggested action

3.1 The Meeting is invited to take note of the IUAC projects on education and training.

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