

Nomination: 6179

İGA ARFF Certification Program 2021 - 2022

Page: General Information

Provide information about the company to be considered for the award. If you will be nominating an individual, specify the nominee's employer.

Name of Organization/Company

İGA (İstanbul Grand Airport)

Additional Contacts

I do not wish to list additional contacts

Page: Entry Information

Entry Title

İGA ARFF Certification Program 2021 - 2022

Category

B01 - B59 Achievement > B03 - Achievement in Certification Programs

Achievement Submission Format

Written Answers

a. Briefly describe the nominated organization: its history and past performance (up to 200 words). Required

Being the first airport in Turkey and the second in Europe that can perform independent parallel operations with its 5 operational runways, İGA has the distinction of being a global transfer center as one of the most important aviation centers in the world.

Aiming to fly to more than 300 destinations with a capacity of 200,000,000 passengers, İGA also has an ARFF (Airport Rescue Fire Fighting) team of 214 people among its 7300 personnel.

ARFF is a type of firefighting that involves the emergency response, mitigation, evacuation, and rescue of passengers and crew of aircraft involved in aviation accidents and incidents.

The mission of ARFF team is to save lives in any air vehicle crash or incident occurring in any airport or its vicinity. In accordance with that mission ARFF stations are established at 3 different points in the airport in compliance with International Civil Aviation Organization rules. ARFF stations are providing services at category 10 level and has equipment for the rescue of the aircraft which has lost its ability to move.

Due to unique needs, İGA developed ARFF Certification Program that contains classroom trainings, practices, simulations, and assessments at our training fields with full-size aircraft models and equipment.

b. Outline the team's or organization's achievements since the beginning of 2020 that you wish to bring to the judges' attention (up to 250 words). Required

ARFF Certification Program started in align with ICAO's Category 10 rules and regulations in 2018 and is a 186-hour certification program and positioned as a strategic and critical program to develop the basic capabilities and skills of the work force as part of the Airport Rescue Fire Fighting needs.

Following the needs analysis and design process, ARFF Certification Program was consisting 19 main topics, including face to face training, on the job programs, application, coaching and mentoring processes, processes such as application, reminding, basic knowledge gaining supported with new generation of learning technologies.

In 2021-2022;

Fossil fuel and electric vehicle fire response and methods,

Natural gas/LPG/Electric fires,

Forest fires, floods and landslides,

Earthquakes,

Other general issues,

were added to these titles, so number increased to 26, and the 2022 training topics became composed of 311 sub-titles. You can see all the main headings and added subheadings in the document titled "2022-TRAINING TOPICS" in green color.

The growth in the number and capacity of vehicles and equipment, such as new earthquake materials, the HAZ-MAT (Hazardous Material) vehicle added to the inventory, and CBRN (Chemical, Biological, Radiological and Nuclear) training for the 36-person team, led to the expansion of the training area.

In addition, a simulator was purchased in July 2022 for pressure aircraft and accident firefighting trainings to be used within İGA. Following the installation of the simulator, these trainings of 46 people from the team will take place through İGA's own simulator.

c. Explain why the achievements you have highlighted are unique or significant. If possible compare the achievements to the performance of other players in your industry and/or to the team's or organization's past performance (up to 250 words). Required

Certification program's measurement and evaluation structure is determined during the need analysis and Annex-14 Doc 9137 AN / 898 Part 1, Part 5 and Part 7 published by ICAO.

Level 1: Post training reaction surveys (NPS Scores) 2019: 9.4, 2020: 9.2

Level 2: During the program, exams and practices are applied at different levels.

Midterm Exam: 30% of the whole score. Done before start.

Application Exam: 40% of the whole score. Done after the training.

General Exam: 30% of the whole score. It consists of two different parts as application and theory and is done at the end of the training.

715 participants attended and certified through ARFF Certification Program since 2018 and no one failed. Average certification score raised to 92.29 from 90.37 in 2022.

Level 3: The development of the team is monitored, and readiness is ensured through daily or weekly drills and evaluations at certain time intervals. Also, all drills reported to ICAO. We passed every drill and tests so far.

Level 4: With a large airport-wide exercise.

A large airport-wide drill is happening yearly. In accordance with that mission ARFF stations are established at 3 different points in the airport and within 3 minutes in compliance with ICAO rules. Drill scores are nearly 1.89 minutes in 2022.

Also, ARFF stations are providing services at category 10 level and the fire accident has equipment for the rescue of the aircraft which has lost its ability to rescue and move. All audits are passed and remained 10.

d. Reference any attachments of supporting materials throughout this nomination and how they provide evidence of the claims you have made in this nomination (up to 250 words). Optional

Doc-3 Translation:

REPORT

On 27.02.2022, at 11.28 local time, the transportation time of the vehicle from the ARFF-3 station to the runway 36 was measured with the HRET Rosenbauer fire truck with the code number of IGA 103, fully equipped, with the extinguishing materials fully loaded and the personnel ready.

The time it takes for the vehicle to reach the beginning of Runway 36 from the ARFF-3 station and start giving water from the bumper monitor is 01':42" (One Minute and Forty Two seconds).

Doc-4 Translation:

REPORT

On 27.02.2022, at 13.25 local time, the transportation time of the vehicle from the ARFF-2 station to the runway 16R was measured with the HRET Rosenbauer fire truck with the code number of IGA 102, fully equipped, with the extinguishing materials fully loaded and the personnel ready.

The time it takes for the vehicle to reach the beginning of Runway 16R from the ARFF-2 station and start giving water from the bumper monitor is 02':15" (Two Minutes and Fifteen seconds).

Doc-5 Translation:

REPORT

On 27.02.2022, at 12.23 local time, the transportation time of the vehicle from the ARFF-1 station to the runway 17L was measured with the HRET Rosenbauer fire truck with the code number of IGA 101, fully equipped, with the extinguishing materials fully loaded and the personnel ready.

The time it takes for the vehicle to reach the beginning of Runway 17L from the ARFF-1 station and start giving water from the bumper monitor is 02':10" (Two Minutes and Ten seconds).

Webpage Link

<https://www.youtube.com/watch?v=UN8gnhV1Uno> (<https://www.youtube.com/watch?v=UN8gnhV1Uno>)

Would you like to add an additional webpage link?

Supporting Document

Download File (<https://stevies-sage.secure-platform.com/file/15126/eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZWVpYXkiOiJ0eXNTEyNiwiYWxsY3dOb3RTaWduZWRVcmwiOiJGYWxzZSIImInbM9yq0STUKOfE3sUf4IPuDIkUoJcaZGoAppmr9g-RQwslw?TABLE%20OF%20CONTENTS%202022.pdf>)

Would you like to add an additional supporting document?

Yes

Supporting Document 2

Download File (<https://stevies-sage.secure-platform.com/file/15127/eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZWVpYXkiOiJ0eXNTEyNywiYWxsY3dOb3RTaWduZWRVcmwiOiJGYWxzZSIImInbM9yq022%20TRAINING%20PLAN%20FORM.pdf>)

Would you like to add an additional supporting document?

Yes

Supporting Document 3

Download File (<https://stevies-sage.secure-platform.com/file/15139/eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZWRpYUlkIjoxNTEzOSwiYWxsbn3dOb3RTaWduZWRVcmwiOiJGYWxzZSI6ImInbn9Ula%20C5%209F%20C4%20B1m%20s%20C3%20BCresi%20testi.%203000%20m.%2036%20Pist%20ba%20C5%209F%20C4%20B1.%2027.02.2022.pdf>)

Would you like to add an additional supporting document?

Yes

Supporting Document 4

Download File (https://stevies-sage.secure-platform.com/file/15140/eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZWRpYUlkIjoxNTEzOSwiYWxsbn3dOb3RTaWduZWRVcmwiOiJGYWxzZSI6ImInbn95p0fKpU9UkxbNXdr15wI81axh_ki754?Ula%20C5%209F%20C4%20B1m%20s%20C3%20BCresi%20testi.3750%20m.%2016R%20pisti.%2027.02.2022.pdf)

Would you like to add an additional supporting document?

Yes

Supporting Document 5

Download File (<https://stevies-sage.secure-platform.com/file/15141/eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZWRpYUlkIjoxNTEzOSwiYWxsbn3dOb3RTaWduZWRVcmwiOiJGYWxzZSI6ImInbn9C1fqXQid20STBphylai7oB228HLGgdp0-wE?Ula%20C5%209F%20C4%20B1m%20s%20C3%20BCresi%20testi.4100%20m.%2017L%20pisti.%2027.02.2022.pdf>)

Would you like to add an additional supporting document?

Yes

Supporting Document 6

Download File (https://stevies-sage.secure-platform.com/file/15142/eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZWRpYUlkIjoxNTEzOSwiYWxsbn3dOb3RTaWduZWRVcmwiOiJGYWxzZSI6ImInbn9y9Y9qLLCnKUmKR7q_jrQb1LPk?ARFF%20Certification%20Program.pptx)

Would you like to add an additional supporting document?

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