



International
Civil Aviation
Organization

Organisation
de l'aviation civile
internationale

Organizacion
de Aviación Civil
Internacional

Международная
организация
гражданской
авиации

منظمة الطيران
المدنى الدولى

国际民用
航空组织

File Ref.: FS 3/7-16/168

4 July 2016

**Subject: Lithium Battery Workshop
(Abu Dhabi, UAE, 20-22 September 2016)**

Action required: Reply not later than 21 August 2016

Sir/Madam,

I have the honour to invite your State Administration/Organization to participate in the Lithium Battery Workshop to be held at Yas Viceroy Abu Dhabi Hotel in Abu Dhabi, UAE, from **20 to 22 September 2016**. The Workshop will be graciously hosted by the UAE General Civil Aviation Authority (GCAA).

The risk posed by lithium batteries to the aviation system has been the focus of several discussions by the ICAO Council and the Air Navigation Commission (ANC), and the need for a global strategy to deal with these risks has been identified. There has been extensive discussion on the risks associated with the carriage of lithium ion batteries as cargo, with particular emphasis on cargo on passenger aircraft. These risks include:

- a) the inability of cargo compartment fire protection systems to suppress or extinguish a fire involving significant quantities of lithium batteries;
- b) the inability to establish an absolute safe quantity limit for lithium ion batteries because of the number of variables that contribute to the degree of risk posed by different battery or cell chemistries, sizes, design types and quantities being transported;
- c) the lack of a mechanism to identify and communicate the specific hazards and safety risks associated with each battery and cell type offered for transport to the operator;

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- d) the lack of transparency with regard to batteries excepted from full regulation making it impossible or impractical for operators to accurately determine the quantities of batteries carried as cargo; and
- e) the absence of a packaging standard to mitigate the risks.

Following recommendations from the 25th meeting of the Dangerous Goods Panel (DGP/25), Montréal, 19 to 30 October 2015, the ICAO Council approved amendments to the 2015-2016 edition of the Technical Instructions for lithium ion batteries to be transported at a reduced state of charge (30%), and for limits on the number of packages of batteries excepted from full requirements in any one consignment. Additional changes to the Technical Instructions have been approved by the Council, based on outcome of the Airworthiness Panel (AIRP), which prohibit the transport of lithium ion batteries as cargo on passenger aircraft. These changes became effective from 1 April 2016.

The Workshop will be of considerable benefit to the Civil Aviation Authority (CAA) staff responsible for oversight of safe transport of dangerous goods (dangerous goods and/or operations' inspectors, as well as those delegated authority to prevent introduction of hazards into the aviation system) . It is also of interest to accident investigation agencies, aircraft operators, ground handling agencies, shippers, freight forwarders, security staff and dangerous goods training organizations. The workshop will provide a review of discussions of the Dangerous Goods Panel (DGP), Flight Operations Panel (FLTOSP), Airworthiness Panel (AIRP) and the Air Navigation Commission (ANC) recommendations to the ICAO Council.

The Provisional Agenda of the Workshop is at **Attachment A**. The Bulletin describing the administrative arrangements for the Workshop, along with other useful information for the participants, including information related to the entry visa to UAE and the Hotel List is at **Attachment B**.

I would appreciate if you could, as soon as possible, preferably not later than **21 August 2016**, confirm the participation of your Administration/Organization by submitting the Nomination Form at **Attachment C** to the following email address (icaomid@icao.int) with a copy to (Malblowi@icao.int).

Accept, Sir/Madam, the assurance of my highest consideration.



Mohamed Khalifa Rahma
Regional Director, Cairo

Attachments

LITHIUM BATTERY WORKSHOP

(Abu Dhabi, UAE, 20-22 September 2016)

PROVISIONAL AGENDA

Agenda Item 1: Aviation Safety Activities in the MID Region

- a) Regional Aviation Safety Group - Middle East (RASG-MID)
- b) MID Region Safety Priorities and Targets

Agenda Item 2: Updates on the ICAO Standards and Recommended Practices (SARPs) related to the Safe Transport of Dangerous Goods)

- a) Safe Transport of Dangerous Goods
- b) New ICAO SARPs

Agenda Item 3: Lithium Battery Risks

- a) Properties
- b) Industry Growth and Forecast
- c) Risk to aircraft
- d) History of regulatory framework
- e) Ongoing research and regulatory work

Agenda Item 4: The ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air

- a) Requirements for the transport of Lithium Batteries
- b) Requirements for the transport of Lithium Batteries contained in or packed with equipment
- c) Limitations for Passenger and Crew exceptions

Agenda Item 5: Oversight of the Safe Transport of Lithium Batteries

- a) Inspections/ Incident response
- b) Supply Chain
- c) Role of Manufacturers
- d) Shippers
- e) Air Carrier Operations



International Civil Aviation Organization

Lithium Battery Workshop

(Abu Dhabi, UAE, 20-22 September 2016)

BULLETIN

1. LOCATION

1.1 The Lithium Battery Workshop will be held in Yas Viceroy Abu Dhabi Hotel, Abu Dhabi, UAE, from **20 to 22 September 2016**. The Lithium Battery Workshop will be gratefully hosted by the UAE General Civil Aviation Authority (GCAA).

2. SCHEDULE OF THE WORKSHOP

- 2.1 The opening session of the Workshop will be held at 0900 hours on Tuesday 20 September 2016.
- 2.2 The schedule and order of the day will be announced at the opening session.
- 2.3 The Workshop will be conducted in English.

3. REGISTRATION OF PARTICIPANTS

3.1 Participants are requested to register, at the Registration Desk located at the entrance of the designated conference room, between 0800 and 0900 hours on the opening day of the Workshop. Participants are also requested to wear the Identification Badge which will be issued to them during registration.

4. HOTEL RESERVATIONS

4.1 Participants are requested to ensure that their return airline booking is confirmed:

- a) Since the venue will be held at Yas Viceroy Abu Dhabi Hotel, they provided GCAA with the following special room rate:
 - Single Room: 640AED + 16% Service charge /Tourism Fee
 - Double Room: 745AED + 16% Service charge /Tourism Fee
- b) You may wish to choose to stay at any of the following hotels located in Yas Island too and which is a 5-10 minutes walking distance away from the venue:
 - Yas Island Rotana Hotel
 - Centro Yas Island Hotel
 - Crowne Plaza Abu Dhabi Yas Island Hotel
 - Radisson Blu Abu Dhabi Yas Island Hotel
 - Radisson park inn Yas Island Hotel

4.2 Participants will need to arrange their own hotel and travel reservations.

5. TRANSPORTATION

5.1 Participants are requested to make their own arrangements for transportation to/from the airport to their hotel. Some hotels offer airport transfers. Transportation from Abu Dhabi International Airport to the hotels listed above is proximately ten minutes (8km).

5.2 Airport Taxi Services operate from Abu Dhabi International Airport. Abu Dhabi Taxi Corporation manages the official government run taxis at Abu Dhabi International Airport.

5.3 Abu Dhabi Airport taxis are available 24 hours a day and the taxi ranks can be found directly outside each of the terminal building arrival areas. The drivers all have a good knowledge of the tourist attractions, hotels and other major locations in Abu Dhabi. All Abu Dhabi airport taxi drivers also command more than one language. The taxis at Abu Dhabi Airport are all metered cabs and are calculated according to the distance recorded.

Taxi Fare starts at minimum	AED 20.00
Estimate total fares from Abu Dhabi International Airport to hotels in Yas Island	AED 33.00
Running Meter Charges per km	AED 1.60

6. INSURANCE

6.1 Participants are advised to have insurance coverage for any unexpected contingency including transport hazards (taxi, buses, rented cars, etc.) and Medical Coverage.

7. SOME USEFUL TRAVEL INFORMATION

PASSPORT/VISA

7.1 All foreign nationals entering the United Arab Emirates must possess valid passports for six months.

7.2 All person entering the United Arab Emirates with the exception of the following nationals require an entry visa that needs to be arranged prior to arrival: Andorra, Australia, Austria, Belgium, Brunei, Denmark, Finland, France, GCC Countries, Germany, Great Britain, Greece, Hong Kong, Iceland, Ireland, Italy, Japan, Liechtenstein, Luxembourg, Malaysia, Monaco, The Netherlands, New Zealand, Norway, Portugal, San Marino, Singapore, South Korea, Spain, Sweden, Switzerland, USA, Vatican City. Entry permits for the above mentioned nationals would be issued upon arrival in the UAE. Please check with UAE embassy for visa requirements.

7.3 Visas when needed should be obtained from the original country. The GCAA Workshop Focal Points identified in paragraph 11 may assist in arranging invitation letters if required. Participants should obtain updated information on entry requirements by accessing the UAE Government web page www.uaeinteract.com/travel/visas.asp.

CUSTOMS

7.4 The following items are exempted from customs duties and shall be allowed entry:

- a) Gifts whose value does not exceed AED 3000.
- b) A total number of 400 cigarettes, or 50 cigars, or 500 grams of tobacco (minced or pressed for pipes) or minced/pressed tobacco for smoking, tumbâk (pure tobacco) or water pipe tobacco.
- c) The amount of alcoholic beverage shall not exceed 4 litres or 2 cartons of beer, each consisting of 24 cans not exceeding 355 ml for each can.

8. CURRENCY, CREDIT CARDS AND BANKING SERVICES

8.1 The unit of currency in UAE is Dirhams (AED) with notes of 5, 10, 20, 50, 100, 200, 500 and 1000 and coins of Fils 1, 5, 25, 50 and 1 Dirham. The current rates of exchange for the major currencies are as follow:

USD 1= 3.673 AED.
EUR 1= 4.124 AED.
GBP 1 = 5.331 AED.

More rates are available from www.xe.com

8.2 All passengers travelling through Abu Dhabi Airport carrying AED100,000 or more or a sum of foreign currency of the same value are required to inform the customs personnel about the cash they have and they should also inform them about the precious items, such as gold and jewelry, they may have through their exit from the designated gates of such cases.

8.3 International Credit Cards, such as American Express, Visa, Master Card...etc., are usually accepted at most hotels, department stores and restaurants.

8.4 Foreign currency exchanges and ATMs are readily accessible at the airport and major shopping destinations.

8.5 Commercial banks exchange major foreign currencies and are generally open from 0800 to 1400 Sundays through Thursdays.

9. OTHER USEFUL INFORMATION

ATTRACTIONS

Yas Marina Circuit <https://www.yasmarinacircuit.com/>

Ferrari World Abu Dhabi <http://www.ferrariworldabudhabi.com/>

Yas Links Golf Course <https://www.yaslinks.com/>

Yas Waterworld <http://yaswaterworld.com/en>

Yas Express complimentary shuttle service <http://www.yasisland.ae/en/maps--tools/transport/the-blue-line/>

Yas Mall <http://www.yasisland.ae/en/visiting/discover-yas-island/attractions/yas-mall-/>

DRINKING WATER

9.1 Only bottled water.

10. WEATHER CONDITIONS

10.1 The mean daily minimum and maximum temperatures for the month of September are 38°C and 26°C. You may also wish to do weather forecasting prior to travel.

11. OTHER ASSISTANCE

11.1 The General Civil Aviation Authority (GCAA) will be glad to assist the participants to the Workshop with any advice they may require.

11.2 The Workshop Focal Point from the GCAA is as follow:

- Miss. Mouza Al Sawafi
Landline: +971 2405 4257
Mobile: +971 56 616 8228
E-mail: malsawafi@gcaa.gov.ae

- Mr. Khaled Al Blooshi
Landline: +971 2405 4217
Mobile: +971 50 624 6462
E-mail: kblooshi@gcaa.gov.ae

11.3 In case of emergency in Abu Dhabi, please contact the Workshop Focal Points referred to above.

**INTERNATIONAL CIVIL AVIATION ORGANIZATION
MID REGIONAL OFFICE**

LITHIUM BATTERY WORKSHOP

(Abu Dhabi, UAE, 20-22 September 2016)

NOMINATION FORM

1. Name in full: _____
Mr. / Mrs. / Ms. (as should appear in the official listing and name tag)
2. Title or Official Position: _____
3. State/Organization: _____
4. Mailing Address: _____

5. Fax Number: _____
- Telephone Number: _____
- Mobile Number: _____
- E-mail: _____
6. Hotel _____

Date: Signature:

After completing, please send to: ICAO MID Office at the following e-mail address: (icaomid@icao.int).

Note 1: Participants are expected to make their own hotel/visa arrangements

- END -