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Международная  
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منظمة الطيران  
المدنى الدولى

国际民用  
航空组织

File Ref.: FS 3/4-19/360

18 November 2019

**Subject: Regional Extended Diversion Time Operations (EDTO) Workshop  
(Cairo, Egypt, 26-30 January 2020)**

**Action required: Register Participants by 18 December 2019**

Sir/Madam,

I have the honour to inform you that the Regional Extended Diversion Time Operations (EDTO) Workshop will be held at the ICAO MID Office, Cairo, Egypt, **26 - 30 January 2020**. Your Administration/Organization is kindly invited to participate in this Workshop.

The Provisional Agenda for the Workshop is at **Attachment A**, along with a brief description of each module.

Administrative arrangements for the Workshop and other useful information for participants, including the MID Office Bulletin and the Hotel List are available on the ICAO MID Office website at: <https://www.icao.int/MID/Pages/MID-Office-Bulletin.aspx>.

The Workshop will cover all aspects of EDTO authorizations and is aimed at both Flight Operations and Airworthiness Oversight Inspectors from the CAA, in granting EDTO specific approvals and exercising oversight of EDTO, as well as technical pilots/managers of airlines who are considering commencing or increasing EDTO. In this regard, you are invited to extend this Invitation to airlines operators under your supervision.

The Workshop is supported by ICAO and leading industry experts in EDTO operations from both Boeing and Airbus and presents the latest information, based on the EDTO Manual (Doc 10085) which was published in 2017 to support the updated provisions in Annex 6 Part I.

EDTO provisions were introduced into Annex 6 in Amendment 36 and represent the best practice and lessons learned from extended range operations by aeroplanes with two turbine engines (ETOPS). In addition to allowing for longer EDTO operations, the provisions included similar measures for aeroplanes with more than two turbine engines when operating beyond 60 minutes from an en-route alternate.

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The working language of the Workshop will be English, the Workshop materials will be prepared in English and an electronic copy will be provided to participants.

I would appreciate if you could, as soon as possible, preferably not later than **18 December 2019**, confirm the participation of your Administration/Organization giving the names and contact details of your delegate(s), by submitting the Nomination Form at **Attachment B** to the following email address ([icaomid@icao.int](mailto:icaomid@icao.int)).

Accept, Sir, the assurances of my highest consideration.



Mohamed Khalifa Rahma  
Middle East Regional Director

**Attachments**

**REGIONAL EXTENDED DIVERSION TIME OPERATIONS (EDTO)****(EDTO)***(Cairo, Egypt, 26-30 January 2020)***PROVISIONAL AGENDA**

DAY 1 – Sunday, 26 January 2020	
8:15 – 08:45	<b>Registration</b>
08:45 – 09:00	<b>Opening</b>
09:00 – 10:30	<b>Module 1 – Introduction to the Workshop Module 2 – EDTO Foundation</b>
10:30 – 11:00	<i>Coffee Break and Workshop photo</i>
11:00 – 12:30	<b>Module 2 – EDTO Foundation(cont.)</b>
12:30 – 13:00	<i>Coffee Break</i>
13:00 – 15:00	<b>Module 3 – EDTO Approval process</b>
DAY 2 – Monday, 27 January 2020	
09:00 – 10:30	<b>Module 3 – EDTO Approval process (cont.) Module 4 - Aircraft Certification Considerations</b>
10:30 – 11:00	<i>Coffee Break</i>
11:00 – 12:30	<b>Module 4 - Aircraft Certification Considerations (cont.)</b>
12:30 – 13:00	<i>Coffee Break</i>
13:00 – 15:00	<b>Module 4 - Aircraft Certification Considerations (cont.) Module 5 - Flight Operations Considerations</b>

DAY 3 – Tuesday, 28 January 2020	
09:00 – 10:30	<b>Module 5 - Flight Operations Considerations (cont.)</b>
10:30 – 11:00	<i>Coffee Break</i>
11:00 – 12:30	<b>Module 5 - Flight Operations Considerations (cont.)</b>
12:30 – 13:00	<i>Coffee Break</i>
13:00 – 15:00	<b>Module 5 - Flight Operations Considerations (cont.)</b> <b>Module 6 - Maintenance Considerations</b>
DAY 4 – Wednesday, 29 January 2020	
09:00 – 10:30	<b>Module 6 - Maintenance Considerations</b>
10:30 – 11:00	<i>Coffee Break</i>
11:00 – 12:30	<b>Module 6 - Maintenance Considerations</b>
12:30 – 13:00	<i>Coffee Break</i>
13:00 – 15:00	<b>Module 6 - Maintenance Considerations</b> <b>Module 7 - Continued Surveillance of EDTO capability</b>
DAY 5 – Thursday, 30 January 2020	
09:00 – 10:30	<b>Module 8: - Implementing EDTO Regulations</b>
10:30 – 11:00	<i>Coffee Break</i>
11:00 – 12:30	<b>Assessment Review, wrap-up and closure</b>

### Module 1: EDTO Course Introduction

This module consists of an introduction to the course, the instructors and some essential 'housekeeping'. A run through of course materials provided and introduction to the interactive software to be used in the later modules will also be completed.

### Module 2: EDTO Foundations

At the end of this module, participants will be able to understand the fundamentals concepts of EDTO. The module includes definition of terms, basic concepts, evolution of regulations and the related ICAO Standards and guidance.

### Module 3: EDTO Approval Process

At the end of this module, participants will be able to understand the EDTO approval process and related major requirements. Example national regulations will be used to illustrate the concepts. Different methods such as in service early type design approval and accelerated ops approval will be reviewed.

### Module 4: EDTO Type design approval

At the end of this module, participants will be able to understand the EDTO type design and reliability requirements and their impact on aircraft design and documentation. EDTO specific test and analyses requirements will be covered, along with example national regulations to illustrate the points made.

### Module 5: Flight Operations Considerations

At the end of this module, participants will understand the flight operations requirements supporting EDTO operations. This will cover area of operations, flight preparation, pre-departure check and inflight procedures, as well as documentation and training.

### Module 6: Maintenance Considerations

At the end of this module, participants will understand the maintenance requirements supporting EDTO operations. This module covers configuration management, EDTO significant systems, reliability programs, MELs and other maintenance related subjects.

### Module 7: Continued Surveillance of EDTO capability

At the end of this module, participants will understand the shared responsibility of continued surveillance of EDTO operations by manufacturers, type design authorities, operators and national authorities in charge of operational approval.

### Module 8: Implementing EDTO Regulations

At the end of this module, participants will be familiar with specific implementations of EDTO regulations. This will look at some examples of regulations and their differences, and how to conduct a State regulation gap assessment.

Module 9: Assessment

The final assessment will take the form of a written test, including both technical questions and a practical application of the workshop content.

Module 10: Wrap up

During this module the main items detailed in the other modules will be reviewed, in order to clarify any misunderstanding by the audience, and propose a conclusion. The assessment will also be reviewed.

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**INTERNATIONAL CIVIL AVIATION ORGANIZATION  
MID REGIONAL OFFICE**

**REGIONAL EXTENDED DIVERSION TIME OPERATIONS (EDTO) WORKSHOP**

*(Cairo, Egypt, 26-30 January 2020)*

**NOMINATION FORM**

Name in full: \_\_\_\_\_  
Mr. / Mrs. / Ms. (as should appear in the official listing and name tag)

Title or Official Position: \_\_\_\_\_

State/Organization: \_\_\_\_\_

Mailing Address: \_\_\_\_\_  
\_\_\_\_\_

Telephone Number: \_\_\_\_\_

Mobile Number: \_\_\_\_\_

E-mail: \_\_\_\_\_

Hotel \_\_\_\_\_

Date: ..... Signature: .....

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