



3 bis villa Emile Bergerat, 92522 Neuilly-sur-Seine Cedex, France

*When replying please quote*

Reference : EUR/NAT 19-0419.TEC (NAE/SUL)

11 October 2019

Subject : **Invitation – ICAO Extended Diversion Time Operations (EDTO) Workshop (Paris, France, 23-27 March 2020)**

Action required : *Register participation by 09 March 2020*

Dear Madam/Sir,

1. I wish to invite your Administration to participate in the Extended Diversion Time Operations (EDTO) Workshop to be convened at the ICAO European and North Atlantic Office in Paris, France, from 23 to 27 March 2020 starting at 09.30 hours on Day 1.
2. The workshop will cover all aspects of EDTO authorizations and is aimed at both 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.
3. The workshop is supported by leading industry experts in EDTO operations from both Boeing and Airbus and presents the latest information, based on the ICAO Extended Diversion Time Operations Manual (EDTOM) (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.
4. The provisional workshop outline is provided in **Attachment A**, along with a brief description of each module. The workshop will be conducted in English, materials will be prepared in English only, but the EDTO Manual is available in all ICAO working languages. An electronic copy will be provided to participants.
5. Practical information on the location of the office, list of nearby hotels etc. is available on the ICAO EUR/NAT website at <http://www.icao.int/EURNAT/Pages/welcome.aspx>.

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**Distribution:** ICAO EUR/NAT States of accreditation

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6. Due to the interactive nature of this workshop, space is limited to 40 participants, whose participation will be confirmed by ICAO on a first-come-first-served basis. Please note that the workshop is focused on a specific audience; therefore, I would highly appreciate that the designation of each delegate has the prerequisites previously described.

7. You are kindly requested to complete the Registration Form at **Attachment B** for each participant at your earliest convenience but in any case not later than **09 March 2020**. Completed Registration forms must be sent via email to [lsuleymanova@paris.icao.int](mailto:lsuleymanova@paris.icao.int) copy [icaeurnat@paris.icao.int](mailto:icaeurnat@paris.icao.int).

Yours faithfully,

Nahmadov,  
Elkhan



2019.10.14  
11:41:14 +02'00'

Silvia Gehrler  
ICAO Regional Director  
Europe and North Atlantic

Enclosures: *Attachment A- Provisional Workshop agenda and outline*  
*Attachment B – Workshop Registration form*

## ATTACHMENT A – AGENDA AND OUTLINE

DAY 1 – Monday, 23 March 2020	
09:00-09:30	<b>Registration</b>
09:30-09:45	<b>Opening</b>
09:45 – 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 – 13:30	<i>Lunch Break</i>
13:30 – 15:00	<b>Module 3 – EDTO Approval process</b>
15:00 – 15:30	<i>Coffee Break</i>
15:30 – 17:00	<b>Module 3 – EDTO Approval process (cont.)</b>
DAY 2 – Tuesday, 24 March 2020	
09:15 – 10:30	<b>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 – 13:30	<i>Lunch Break</i>
13:30 – 15:00	<b>Module 5 - Flight Operations Considerations</b>
15:00 – 15:30	<i>Coffee Break</i>
15:30 – 17:00	<b>Module 5 - Flight Operations Considerations (cont.)</b>
DAY 3 – Wednesday, 25 March 2020	
09:15 – 10:30	<b>Module 6 - Maintenance Considerations Module</b>
10:30 –11:00	<i>Coffee Break</i>
11:00 – 12:30	<b>Module 6 - Maintenance Considerations Module</b>
12:30 – 13:30	<i>Lunch Break</i>
13:30 – 15:00	<b>Module 6 - Maintenance Considerations (cont.)</b>
15:00 – 15:30	<i>Coffee Break</i>
15:30 – 17:00	<b>Module 6 - Maintenance Considerations (cont.)</b>

DAY 4 – Thursday, 26 March 2020	
09:15 – 10:30	Module 7 - Continued Surveillance of EDTO capability
10:30 –11:00	Coffee Break
11:00 – 12:30	Module 7 - Continued Surveillance of EDTO capability (cont.)
12:30 – 13:30	Lunch Break
13:30 – 15:00	Module 8: - Implementing EDTO Regulations Assessment review
15:00 – 15:30	Coffee Break
15:30 – 17:00	Module 8: - Implementing EDTO Regulations (cont.)
DAY 5 – Friday, 27 March 2020	
09:15 – 10:30	Assessment review
10:30 –11:00	Coffee Break
11:00 – 12:30	Assessment Review, wrap-up and closure

#### 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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**ATTACHMENT B TO ICAO SL EUR/NAT 19-0419.TEC (NAE/SUL)****ICAO EXTENDED DIVERSION TIME OPERATIONS  
(EDTO) WORKSHOP**  
*(Paris, France, 23-27 March 2020)*

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**REGISTRATION FORM****PLEASE COMPLETE CLEARLY AND SEND BACK TO THE ADDRESS BELOW**

1.	<b>FULL NAME</b>	
2.	<b>POSITION</b>	
3.	<b>ORGANIZATION</b>	
4.	<b>STATE</b>	
5.	<b>TELEPHONE NUMBER</b>	
6.	<b>EMAIL ADDRESS</b>	

*Please email this form to:*

*E-mail:* [lsuleymanova@paris.icao.int](mailto:lsuleymanova@paris.icao.int) copy [icaoeurnat@paris.icao.int](mailto:icaoeurnat@paris.icao.int)

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ATTACHMENT B TO ICAO SL EUR/NAT 19-0419.TEC (NAE/SUL)

## ICAO EXTENDED DIVERSION TIME OPERATIONS (EDTO) WORKSHOP

*(Paris, France, 23-27 March 2020)*

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