

 Samgöngustofa ICELANDIC TRANSPORT AUTHORITY	Application received, Date.	FRD-043 Date: 13.12.2013 Version 1.1
Flight Safety Division	Case Nr.	Page 1 of 7

APPLICATION FOR AN OPERATIONAL APPROVAL/RENEWAL

EXTENDED OPERATIONS (ETOPS)

Please complete this form in **BLOCK CAPITALS** using black or dark blue ink

This form is designed to elicit all the required information from those operators requiring ETOPS operational approvals. The completed form and supporting documentation should be submitted to the Flight Operations Division.

Section A	Page 1	Operator/Airframe Details	Completion Mandatory
Section B	Page 2	ETOPS Notes for completion	
Section C	Page 2	Applicants Signature Block	Completion Mandatory
Section D	Pages 3-8	Operator's ETOPS Operations Manual Matrix	Completion mandatory

SECTION A OPERATORS/AIRFRAME DETAILS

1. Applicants Details required for all Approval requests		
Please give the official name or AOC number, Business address, e-mail address, contact telephone numbers of the applicant.		
2. Aircraft Details Required for all approval requests		
Airplane Type	Airplane Series	Registration

SECTION B**ETOPS NOTES FOR COMPLETION**

1. Applicability
Extended Operations (ETOPS) applies to operators wishing to use twin-engined aircraft more than 60 minutes' flying time from a suitable diversion aerodrome. Such routes could be long ocean crossings, polar routes or routes where there are limited diversions Available. The requirements for Operator Approval to carry out ETOPS are laid out in EU-OPS and EASA AMC 20-6. ETOPS is a major process, which will involve all aspects of a company's operation. It is therefore strongly recommended that your Flight Operations Inspector be contacted before submitting an application. MNPS, RVSM and RNP-10 approval will also be required.
2. Operator's ETOPS Operational Manual Matrix
Section D of this application form is the Operator's ETOPS Operations Manual Matrix. All applicants should complete Column 4 of this matrix in full. If more than one type of aircraft/fleet is included in a single application a completed matrix should be included for each aircraft/fleet.
3. Documents to be included with the application
Copies of all documents referred to in Column 4 of the Operator's ETOPS Operations Manual Matrix should be included when returning the completed application form to the ICETRA Flight Safety Division. Original documents should not be sent, photocopies are sufficient. Do not send complete manuals, only the relevant sections/pages will be required.
4. Submission of the Application
Icelandic Transport Authority / ICETRA Flight Safety Division Tel +354 480 6000, Fax +354 480 6003, E-mail: FRD@ICETRA.is Skógarhlíð 12 105 Reykjavík Iceland

SECTION C**SIGNATURE BLOCK**

Signature:
Name: (Block letters)
Date:
Application process may require up to 60 working days.

SECTION D**APPLICANT'S ETOPS SUBMISSIONS MATRIX**

Please complete your review of your Operations Manual. The ETOPS flight operations minimum requirements are given in the table below. Enter the Operations Manual references in the last column and return the matrix, to the address given in paragraph 4 of Section B.

Operations Manual	Subjects	Requirements	Operator's Operations Manual Reference or Document Reference
Part A General	Documents/regulations used in compiling ETOPS Manual/Procedures.	EU-OPS EASA AMC 20-6 FAA AC 120-42B	
	Brief description of ETOPS.		
	Definitions.	Extended Operations. Adequate aerodrome. Approved one-engine inoperative cruise speed. Threshold distance/time. Adequate ETOPS en-route alternate. Equal time points. Rule distance/time. ETOPS segment. ETOPS significant system. Maximum approved diversion time. Dispatch.	
	Criteria.	Company AOC defined operating area. List of certified aircraft types/engine combinations.	
	Approval.	Approved diversion time.	
	Qualifications.	Crew qualifications. ETOPS qualified dispatcher personnel. ETOPS qualified operations staff. ETOPS qualified maintenance personnel.	
	Training (Initial and Recurrent) and Checking.	Flight crew training and Operations Manuals. Flight crew currency requirements.	

	ETOPS Authorization.	Commander's responsibilities. Statement to show when ETOPS are allowed.	
Operations Manual	Subjects	Requirements	Operator's Operations Manual Reference or Document Reference
Part A General (continued)	ETOPS Flight Preparation and Planning.	Aircraft serviceability and MEL. Communication and navigation facilities. Critical fuel scenario. Critical fuel reserve. ETOPS alternate aerodrome selection. ETOPS alternate planning minima. Pre-dispatch and post-dispatch weather minima. Computerized flight plan. Delayed dispatch. Maintenance check (pre-departure service check). Verification flights.	
	Flight Crew Procedures.	Crew responsibilities. Flight documentation/chart handling. Fuel management. Weather monitoring. Change of routing. Diversion decision-making. Icing. Crew workload management.	
Part B Type Specific	Type-related ETOPS Operations.	Identification of ETOPS aeroplanes. Types of ETOPS operations that are approved. Placards and limitations. One-engine inoperative speed.	
	Type-specific Planning Requirements.		
	ETOPS Fuel Planning.	Including critical fuel scenario.	
	MEL/CDL.	ETOPS-specific MEL/CDL items.	

	Aeroplane Systems.	Performance data. Aerodrome technical differences, navigation fit, communications fit.	
	Non-normal Procedures.	Navigation failures. Action to be taken on ETOPS-significant system failure. Low fuel scenario. Crew incapacitation.	

Operations Manual	Subjects	Requirements	Operator's Operations Manual Reference or Document Reference
Part C Route and Aerodrome Instructions	ETOPS Areas and Routes.	Approved area of operation. ETOPS en-route alternates. Performance restrictions and weather minima for en-route alternates. Meteorological facilities/information. Low altitude cruise information. Route minimum diversion altitudes. MSA restrictions. Route-specific oxygen requirements.	

Part D Training	Ground, Simulator and Line Training.	<p>General:</p> <ul style="list-style-type: none"> • ETOPS overview. • ETOPS regulations. • ETOPS type design approval. • Definitions. • Approved one-engine inoperative speed. • Maximum approved diversion time. • Operator's approved diversion time. • ETOPS area of operation. • ETOPS routes. • ETOPS alternate aerodromes and weather minima. • Navigation systems accuracy, limitations and operating procedures. • Meteorological facilities and information. • In-flight monitoring and procedures. • Computerised flight plan. • Charts and position plotting. • Equal time point. • Critical fuel. 	
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<p>Part D Training (continued)</p>		<p>Normal procedures:</p> <ul style="list-style-type: none"> • Flight planning and dispatch. • ETOPS fuel requirements. • Route alternate selection - weather minima. • MEL - equipment-specific. • ETOPS service check and technical log. • Pre-flight FMS set-up. • Flight performance progress monitoring. • Flight management, navigation and communication systems. • Aeroplane system monitoring. • Weather monitoring. • In-flight fuel management (to include independent cross-checking of fuel quantity). <p>Non-normal procedures:</p> <ul style="list-style-type: none"> • Diversion procedures and diversion 'decision-making'. • Navigation and communication systems, including appropriate flight management devices in degraded modes. • Fuel management with degraded systems. • Procedures for single and multiple failures in flight affecting ETOPS sector entry and diversion decisions. • Operating on standby power. • Operational restrictions associated with system failures including any applicable MEL considerations. 	
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Part D Training (continued)	ETOPS Simulator Training and Line Flying Under Supervision.	Pilots conversion course. Annual refresher course.	
	Flight Operations Staff and Dispatchers.	Outline of training syllabus to include: <ul style="list-style-type: none"> • ETOPS regulations. • Operational approval. • Aeroplane performance. • Diversion procedures. • Area of operation. • Fuel requirements. • Dispatch considerations: MEL, CDL, weather minima and alternate airports. • Delayed dispatch. • Documentation. 	

Any Further Comments to Support Your Application:

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