

(Operations Specifications)

2001 - AXX

Part A (General)

A001	(Issuance and Applicability)			
A002	(Definitions and Abbreviations)			
A003	가 (Aircraft Authorizations)			
A004	가 (Summary of Special Authorizations and Limitations)			
A005	(Exemptions and Deviations)			
A006	(Management Personnel)			
A007	(Other Designated Persons)			
A008	(Operational Control)			
A009	(Airport Aeronautical Data)			
A01 0	(Aeronautical Weather Data)			
*A01 1	(Approved Carry - on Baggage Program)			
*A01 4	(IFR Operations Outside Controlled Airspace)			
A022	(Exit seating)			
*A023	/ (Deicing / Anti - icing Program)			
*A025	가 (Approved Computer - based Recording Keeping System)			
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A030	(Non - Scheduled Operations)			
A036	(Airborne Collision Avoidance System : ACAS)			
A039	(Summary of Required Reports)			
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*A056	- Controller-Pilot Data Link Communications (CPDLC)			

* : A004 가
: A004

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(Operations Specifications)

2001 - AXX

A001

(Issuance and Applicability)

a. (Operations Specifications) 가 * *

b. (Operations Specifications) 2001 - A01

132 가 112
가 (Operations Specifications)
134

c. b. 가

d. (ICAO)

Doc 8585/66

e. 6 (ICAO Annex 6), 1 (Part 1), 4.3.6 (Paragraph 4.3.6)
43 B043 136 가 19

f. 8.2.6 8.3.4
()

g. 가

가 가

h. 가

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(Operations Specifications)

2001 - AXX

2001 - A01

115 2 280 3

280 4, 281

2003 11 XX

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2003 11 XX

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(Operations Specifications)

2001 - AXX

A002

(Definitions and Abbreviations)

가

가)

(Term or Terms)	(Definition)
Category I (Category I Instrument Approach)	Category I 가 (Touchdown zone) 200ft(60m) , 1/2 SM 가 (RVR) 550m (1800ft, 1/4 SM RVR 1600ft) 가
I (Class I Navigation)	I (Class I Navigation) ICAO (VOR, VOR/DME, NDB) . I "MEA GAP" VOR, VOR/DME, NDB I
I (VFR Station - Referenced Class I Navigation)	I (VFR Station - Referenced Class I Navigation) VOR, VOR/DME NDB (VFR) ICAO (airways navigation facilities) I (Class I navigation) 가 (RNAV) Class I
II (Class II Navigation)	II (Class II Navigation) I (Class I Navigation) II ICAO (VOR, VOR/DME, NDB) . II "MEA GAP"(ICAO equivalent)
JAA JAR - OPS - 1	Joint Aviation Authorities(JAA) Joint Aviation Requirements(JAR) Operational agreements (OPS). JAA 가 . JAR - OPS 1 Part 1

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(Operations Specifications)

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(Term or Terms)	(Definition)
(Decision Altitude (Height))	(Altitude (Height)) (HAT)
(Planned Refile or Rerelease en route)	8.2.5.3 (Planned Refile or Rerelease en route)
(Alternate Airport)	(Alternate Airport) 가
(Dry Lease)	()
(Reliable Fix)	(Reliable Fix) VOR, VORTAC NDB (Reliable Fix) VOR/DME fix, NDB/DME fix, VOR, NDB 1 가 VOR/NDB (Fix)
(Agent For Service)	가
(Refueling Airport)	(Refueling Airport) 가
(Provisional Airport)	(Provisional Airport)
(Operations Representative)	

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(Term or Terms)	(Definition)
(Operational Service Volume)	<p>(Operational Service Volume) 가 가</p> <p>(NAVAID) (Operational Service Volume)</p> <p>(1) (Standard Service Volume)</p> <p>(2)</p> <p>(3) (SID), (STARS), (SIAPS),</p> <p>(4)</p>
(Certificate Holder)	<p>(Operations Specifications)</p> <p>A001</p>
가 (Available Landing Distance (ALD))	<p>LAHSO 가 가 Hold - Short</p> <p>(THR) Hold - Short</p>
가 (Dual - Certified - Noise Compliance)	<p>Chapter 2 Chapter 3 가 ICAO Annex 1 6. FAA</p> <p>가 B747-300 가 Chapter 3</p> <p>가 가 Chapter 2 Chapter 3</p>
(Auto Flight Guidance System (AFGS))	<p>(Autopilot), (Autothrottles), (Displays) (Controls)</p> <p>System/FMS (AFGS) (Flight Management)</p>
(Regular Airport)	<p>(Regular Airport) 가</p>
) Minimum Descent Altitude (Height)	<p>() [MDA(H)] (Altitude)</p> <p>가 : (Height)</p> <p>(HAT) (H) (HAA) 가</p>

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(Operations Specifications)

2001 - AXX

(Term or Terms)	(Definition)
(Wet Lease)	() 가 (authorized officers)
(Air Carrier)	Part A A001 가 (Authorizations) (L imitations) (Procedures)
(Airways Navigation Facilities)	(ICAO) (ICAO) (VOR, VOR/DME / NDB) 1 (Class Navigation)
(Runway)	(Operations Specifications)

(Convention on International

Civil Aviation)

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(Operations Specifications)

2001 - AXX

b.

가

	(Operation Configuration)	(Class of operation)	(En Route Flight Rule)	(Condition of Flight)	(Max PAX Seats)	(PAX Seats)	(Required Number of Cabin Crew)
Citation V Ultra CE - 560	PAX and Cargo	MEL	IFR	Day/Night	7-1 1	7	None
Eurocopter AS 332 L1	PAX and Cargo	MEL, HEL	IFR/VFR	Day/Night	24	15	None
Eurocopter SA365 N	PAX and Cargo	MEL, HEL	IFR/VFR	Day/Night	13	11	None
Gulfstream - IV	PAX and Cargo	MEL	IFR	Day/Night	19	14	None

MEL : Multiengine Land, HEL : Helicopter

c.

가

	(Operation Configuration)	(Class of operation)	(En Route Flight Rule)	(Condition of Flight)	(Max PAX Seats)	(PAX Seats)	(Required Number of Cabin Crew)
Eurocopter AS 332 L1	PAX and Cargo	MEL, HEL	IFR/VFR	Day/Night	24	15	None
Eurocopter SA 365 N	PAX and Cargo	MEL, HEL	IFR/VFR	Day/Night	13	11	None

MEL : Multiengine Land, HEL : Helicopter

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(Operations Specifications)

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A004	가
	(Summary of Special Authorizations and Limitations)

a. 가

	(Reference Paragraph)
(Approved Carry - on Baggage Program)	A01 1
(IFR operations outside controlled airspace)	A01 4
/	
(Deicing / Anti - icing Program)	A023
가	
(Approved Computer - based Recording Keeping System)	A025
2	
(Restricted Operation of certain Chapter II airplanes)	A026
En - route CPDLC	A056
(IFR En Route Limitations and Provisions)	B032
(Flight Rules, Limitations and Provisions)	B033
(IFR Class I En Route Navigation using an Area Navigation Systems)	B034
(Class I navigation in Class A Airspace Using Area or Long Range Navigation Systems)	B035
(Class II navigation using long - range navigation systems)	B036
(Operations in Central East Pacific(CEPAC) Airspace)	B037
(Operations in North Pacific (NOPAC) Airspace)	B038
(Operations in North Atlantic Minimum Navigation Performance Specifications(NAT/MNPS) Airspace)	B039
(Operations in Area of Magnetic Unreliability)	B040
(ETOPS : Extended Range Operations with Two Engine Airplanes)	B042
(Special Fuel Reserves)	B043
Refile	
(Planned Refile or Rerelease En Route)	B044
(Operations in Reduced Vertical Separation Minimum(RVSM) Airspace)	B046
가	
(Authorized Areas of En route Operations, Limitations, and Provisions)	B050
	C051

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(Operations Specifications)

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	(Reference Paragraph)
(Terminal Instrument Procedures) 가	
(Basic Instrument Approach Procedure Authorizations - All Airports)	C052
ILS, MLS GPS Category I IFR	
(Straight-In Category I Approach Procedures Other Than ILS, MLS or GPS and IFR Landing Minimums - All Airports)	C053
IFR (Limitations and Provisions for Instrument Approach Procedures and IFR Landing Minimums)	C054
IFR (Alternate Airport IFR Weather Minimums)	C055
IFR (IFR Takeoff Minimums - All Airports)	C056
Category II (Category II Instrument Approach and Landing Operations)	C059
Category III (Category III Instrument Approach and Landing Operations)	C060
CAT II, III (Flight Control Guidance System for Automatic Landing Operations Other Than Categories II and III)	C061
가 (Special Airport Authorizations, Provisions, and Limitations)	C067
가 (Airports Authorized)	C070
(Autopilot Engagement After Takeoff and During Initial Climb for Auto Flight Guidance Systems(AFGS) Operations)	C071
Category I ILS, MLS GLS (Category I ILS, MLS or GLS Approach Procedures and IFR Landing Minimums - All Airports)	C074
Category I IFR (Category I IFR Landing Minimums - Circle To Land Approach Maneuver)	C075
(Terminal Flight Rules, Limitations, and Provisions - All Airports)	C077
가 (Reliability Program Authorization : Entire Aircraft)	D074
(Short - Term Escalation Authorization)	D076
가 (Parts Pool Agreement Authorization)	D081
가 (Parts Borrowing Authorization)	D083
가 (Special Flight Permit With Continuous Authorization to Conduct Ferry Flights)	D084
가 (Maintenance program Authorization For two - Engine Airplanes Used in Extended - Range Operation)	D086
가 (C.A.S.E)	D090

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(Operations Specifications)

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	(Reference Paragraph)
(Coordinating Agencies for Supplies Evaluation (C.A.S.E)) 가	
(Authorization To Make Arrangement With Other Organization To Perform Substantial Maintenance) 가	D091
(RVSM Program Authorization for Airplanes Used for Operations in Designated Reduced Vertical Separation Minimum (RVSM) Airspace) 가	D092
(Minimum Equipment List Authorization) 가	D095
(Weight and Balance Control Procedure)	E096

b.

가

	(Reference Paragraph)
(Land and Hold Short Operations (LAHSO))	

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A006	(Management Personnel)
------	------------------------

9.2.2.2

(Director of Operations)	
(Chief Pilot)	
(Director of Safety)	
(Director of Maintenance)	
(Quality Manager)	

(Operations Specifications)

2001 - AXX

A008

(Operational Control)

가

a. 9.3.1 .23

(1) ()

(2) ()

b. 9.3.1 .23

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(Operations Specifications)

2001 - AXX

A009

(Airport Aeronautical Data)

9.3.1 .19

가

가

AIP()

)

JEPPESEN

JEPPESEN

AIRWAY

a. MANUAL

b. / Performance data(Airport Analysis Chart, RTOLW Chart, T/L Chart) Take Off Chart () performance data

가

A.O.M

Performance data

c.

- Boeing : STAS (Version 2.4.3)
- Airbus : PEP (Performance Engineers' Programs) (Ref. 4750469/00)
- MD - 1 1 : F9MA (Version 6.1 1)
- F - 100 : PFMO (VERSION 8 - 001)

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(Operations Specifications)

2001 - AXX

A010

(Aeronautical Weather Data)

9.3.1 .21

가

가

가

()

가

- JEPPESEN OnSight Weather Briefing Systems
- SAS OPUS 2000 Weather Systems
- Weather News System
- Flight Weather Information System

a. AFTN() (METAR, TAF)
SAS OPUS 2000 Weather Systems

b. OPMET, Graphic, GRIB, Radar, Satellite Date JEPPESEN OnSight Weather Briefing Systems

c. WAFS WINTEMP 가 AMOS Weather
FWIS(Flight Weather Information System) 가 Weather
News System

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(Operations Specifications)

2001 - AXX

A011

(Approved Carry-on Baggage Program)

8.3.6.1 3

가

가

/

가

(

)

() 가

Manual

: 11 FEB 2003

A014	(IFR Operation Outside Controlled Airspace)
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가

IFR

a. (Terminal Area IFR Operations Outside Controlled Airspace) :

(1) 가 가

(2) C064 가

(3) B033 (IFR)

A022	
	(Exit seating)

8.3.6.1 0

가

가	/ 가	()
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() 가

Manual

(Operations Specifications)

2001 - AXX

A023

/
(Deicing /Anti - icing Program)

a. 9.3.1 .22 가 / (De-icing/anti - icing)

b. / (De - icing/Anti - icing) ()

c. / (De - icing/Anti - icing)
가

(1) (Operations):

Cold Weather Ground Operations

Jeppesen Airways Manual - Weather section, Icing

(, ,)
()

(2) (Airworthiness) :

/
(I, II)
()

(3) (Operational Control) :

Cold Weather Ground Operations

Jeppesen Airways Manual Weather section, Icing

Deicing/Anti - icing procedure Manual for Aircraft on the Ground

De/Anti - icing Procedure

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(Operations Specifications)

2001 - AXX

A025	가
	(Approved Computer-based Recording Keeping System.)

a. 9.2.2.5

가

b.

(1)

IMS

-

-

-

(2003 1 12)
(License)

(2) AirCrews/Training Module

-

-

License

(2003 1 13)

(3)

IMS

-

(4)

-

c.

(1)

(2)

60

가

가

)

(

(3)

(hard copy paper files and magnetic tape records of ACARS messages)

60

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(Operations Specifications)

2001 - AXX

A026	2
	(Restricted Operation of Certain Chapter II Airplanes)

- a. 2
2 2 가

2 /	Aircraft Serial Number
-----	------------------------

- b. 가 B747 (Dual-certificated Boeing 747 airplanes) 가 B747
(Aircraft flight manual) 2 3 가 B747
3 2 가

3	2	B747
B747 - 200	22481	HL7452
B747 - 200	22486	HL7459

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(Operations Specifications)

2001 - AXX

A030

(Non - Scheduled Operations)

B050

가

a. b.

a.

C070

가

b.

C070

가

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(Operations Specifications)

2001 - AXX

A036

(Airborne Collision Avoidance System : ACAS)

(ACAS II)

- g.
- a. ACAS II Mode S 가 , ATC Mode A code
- b. 가 135 2 7.3.5.5
- c. Code ACAS II Code Mode S
- d. ACAS II 가
- (1) MEL ACAS
- e. 가 가 가 ACAS II
- f. ACAS 10 가
- ()
- g. A003 가 (ACAS II)

Eurocopter SA 365N	61 28	HL9230
Eurocopter AS 332 L1	2355	HL9201
Citation V Ultra CE - 560	560 - 292	HL7501
Citation V Ultra CE - 560	560 - 294	HL7502
Citation V Ultra CE - 560	560 - 297	HL7503

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(Operations Specifications)

2001 - AXX

A039

(Summary of Required Reports)

a. (Reports)

가

(1)

(2)

(3) A006 A007

(4)

(5) C070 (charter)

(6) (Wet lease)

(7)

b.

		Fax	E - mail	
	2662 - 21 69	6342 - 7249	Casa_flight@moct.go.kr	157 - 71 1 274
	2662 - 21 69			
	2662 - 3751	6342 - 7269	Casa_air@moct.go.kr	
	2662 - 3751			
(POI)				
(PMI)				
(PAI)				

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(Operations Specifications)

2001 - AXX

A040

(Aircraft Communication and Navigation Equipment)

a.

가 40 , 122 ICAO Annex 6, Chapter 7
b.

b.

(Required Aircraft Communication and Navigation Equipment.)

(Equipment)	(Frequency Specifications)	
Dual VHF Communications Transceivers	11 8.0 - 136.975 MHz (25 kHz separation)	2
Dual VHF VOR/ILS Receivers	108.00 - 117.95 MHz (50 kHz separation)	1
Dual UHF Glide Path Receivers	329.15 - 335.00 MHz	1
Automatic Radio Direction Finder Receiver	200 - 415 KHz	1
ATC Transponder	(Rx) 1 030 MHz	1
Modes A, B, C, 4096 Code capability and Encoding Altimeter	(Tx) 1 090 MHz	
Distance Measuring Equipment (DME)	962 to 1213 MHz	1
Marker Beacon	75 MHz	1
Weather Radar	9345 ± 25 MHz	1
ELT	121.5 / 243 / 406 MHz	1 (1)

1)

122 8

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(Operations Specifications)

2001 - AXX

A056

(Controller-Pilot Data Link Communications) - CPDLC

(limitations) (provisions) en route CPDLC
(controller-pilot data link communications) 가 .

a. CPDLC 가 가 .

Data link communication systems CPDLC

가 .

(Aircraft M/M)	Data Link System M/M	Remarks
B777 - 200 / B777 - 300	(FANS - 1 /A)	
B747 - 400	(FANS - 1 /A)	

b. B050 , Air Traffic Service (ATS)
infrastructure 가 FANS - 1 /A air traffic control data link / ATN-compliant digital data link communications
en route CPDLC 가

(1) CPDLC (Collision Avoidance System)

(2) CPDLC en route

(3) CPDLC air traffic surveillance 가 가 . (e.g., radar or ADS - B)

(4) air traffic services data link (voice communications)
VHF HF 가
(monitor)

(5) CPDLC 가 .

(a) STC(supplemental type certificate) (AFM)

(b) data link system (provisions),

(c) AIP NOTAMS / (Flight Information Regions)
(regulations, policies and procedures)

(6) (continuous airworthiness maintenance program)
data link communication system

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(Operations Specifications)

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PART B 가

B031	(Areas of En Route Operation)			
*B032	(IFR En Route Limitations and Provisions)			
*B033	(Flight Rules, Limitations and Provisions)			
*B034	(IFR Class I En Route Navigation Using Area Navigation Systems)			
*B035	(Class I Navigation in the Class A Airspace Using Area or Long-Range Navigation Systems)			
*B036	(Class II Navigation Using Long-Range Navigation Systems)			
*B037	(Operations in Central East Pacific(CEPAC) Airspace)			
*B038	(Operations in North Pacific(NOPAC) Airspace)			
*B039	(Operations in North Atlantic Minimum Navigation Performance Specifications(NAT/MNPS)Airspace)			
*B040	(Operations in Area of Magnetic Unreliability)			
*B042	(ETOPS: Extended Range Operations with Two Engine Airplanes)			
*B043	(Special Fuel Reserves)			
*B044	(Planned Refile or Rerelease En Route)			
*B046	(Operations in Reduced Vertical Separation Minimum(RVSM) Airspace)			
*B050	(Authorized Areas of En Route Operations, Limitations, and Provisions)			

* : A004 가

: A004

: 8 SEP 2003

(Operations Specifications)

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PART B 가 ,

B031

(Areas of En Route Operation)

(Operations Specifications) B050

가

- a. 가
- b. I (Class I navigation) 가 I (Class I navigation)
 - (1) 가
 - (2) 가
 - (a) 가 (operational service volume) 가
 - (b) ICAO (MEA)
 - (c) 가 (ATC clearance) 가 가
 - (3) A01 4
- c. 가
- d. Class A B035 (Positive radar control) I 가
- e. B034 positive radar control I 가
- f. B032 B036 II 가
- g. 1 ICAO GPS 가

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(Operations Specifications)

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B032

(IFR En Route Limitations and Provisions)

가

a. I (VOR, VORTAC, NDB) (ATC)

b. I (operational service volume)

c. I B034 가

d. (MEA GAP) II 가 II (VOR, VORTAC, NDB) (1)

e. II B036 가 가

(Operations Specifications)

2001 - AXX

B033

(Flight Rules, Limitations and Provisions)

B050

(IFR)

a.

(Charter Visual)

Flight Procedure : CVFP)

- (1) 가 transition area
- (2) 가
- (3) 8.2.7.51
- (4) 가
- (5) 가 35NM

(CVFP)

b.

8.2.7.51

1

(IFR)

(VFR)

- (1) 가 TCA TRSA ; ;
- (2) 가 가 가
- (a) 1 가 10NM
- (b)

c.

가

- (1)
- (2) 가
- (3) 가 가 가 50

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(Operations Specifications)

2001 - AXX

B034

(IFR Class I En Route Navigation Using Area Navigation Systems)

(positive radar control) 가 I (Class I) B050

I (Class I)

a. 가

I (Class I)

	(Area Navigation Systems)
B777 - 200	Honeywell IRS Honeywell FMS

b.

(1) (Qualified)

가

(Ground school)

(2)

(MEL)

(3)

가 가

RNP

(4)

B050

(5) (6)

Class I 가 Class I

(a) Class I 가 가

(b)

(c)

(d) ATC RADAR

(6)

1 가 Class I

(a)

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(Operations Specifications)

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ATC Clearance 가

(b) 가 ATC 가

(7) RNP type

가 RNP type

a. 가

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(Operations Specifications)

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B035	A	1
	(Class I Navigation in Class A Airspace Using Area or Long - Range Navigation Systems)	

b.

A Class I 가

a.

가 A Class I

	(Area Navigation Systems)
B777 - 200	Honeywell IRS Honeywell FMS

)

b.

가

(1) 가 가

(2) 가

(3)

(4) RADAR 가 ATC Clearance

(5) 가 A (VOR, DME, ADF)

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(Operations Specifications)

2001 - AXX

B036	2
	(Class II Navigation Using Long - Range Navigation Systems)

B050 (LRNS)

2 (Class II) 가 (CEPAC), (NOPAC), MNPS (NAT MNPS),

MNPS 2 (Class II)

(LRNS) 2 (Class II)

a. 2 (Class II) (Class - navigation using long range navigation systems)

(1) (dual LRNS) 2

(Class II)

	(Dual long range navigation systems)	RNP - 1 0 가
	/	
B777 - 200	Honeywell IRS Honeywell FMS	Unlimited

)

(2) (single LRNS) 2

(Class II)

	(Single long range navigation systems)	RNP - 1 0 가
	/	

b. (Dual LRNS)

(Single LRNS)

(1) (RNP) 가

2 (Class II)

(LRNS) 가 ATC 가

(Cross track) (Along track) (Error) 가 25NM

(2) B037(:NOPAC), B039(:NAT/MNPS) :CEPAC), B038(B040(

)

(3) 2 (Class II) (Qualified) 가

(4) (Long - range navigation system) RADAR 가

가

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(Operations Specifications)

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(5) 가
(RNP)

가 , fix

(6)

, a. 가

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(Operations Specifications)

2001 - AXX

B037

(Operations in Central East Pacific(CEPAC) Airspace)

가

a. (Required Navigation Capabilities)

가

(1) FL290 FL390 (RNP - 1 0) : RNP - 1 0
가

(a) 95% (lateral track keeping)
(along track position error) 가 10NM

(b) RNP - 1 0 RNP - 1 0

- (i) RNP - 1 0 가 RNP - 1 0 2 RNP - 1 0 (INS)
 - (ii) RNP - 1 0 가 RNP - 1 0 2 FMS/navigation sensor combinations ()
 - (iii) RNP - 1 0 가 RNP - 1 0 mixed position solution (, triple mix)
INS
 - (iv) 2 (Class II) 2 가 GPS
 - (v) RNP - 1 0 가 2
- ✦ INS/IRU
✦ FMS/ Navigation Sensor combination (or equivalent)
✦ GPS 가 2 (Class II) 가 GPS

(c) RNP - 1 0 : 가 가 RNP - 1 0
a(1) RNP - 1 0 가

(2) FL280 FL41 0

(a) 1 가

- (i) 2 INS
- (ii) 2 FMS / navigation sensor combinations ()
- (iii) Primary Means of Class - 2
가 GPS
- (iv) RNP - 1 0 가 2 :

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(Operations Specifications)

2001 - AXX

B038

(Operations in North Pacific(NOPAC) Airspace)

a 가 (NOPAC) 가

a. 가 : 가 50NM (RNP - 1 0)

100NM

MEA MAA

b. (Required Navigation Capabilities) :

가

(1) FL310 FL390 RNP - 1 0

RNP - 1 0

가

RNP - 1 0

(a)

95%

가

10NM

(b) RNP - 1 0

(RNP - 1 0)

(i) RNP - 1 0

가

RNP - 1 0

RNP - 1 0

2

(INS)

(ii) RNP - 1 0

가

RNP - 1 0

RNP - 1 0

2

FMS/navigation sensor combinations

()

(iii) RNP - 1 0

가

RNP - 1 0

RNP - 1 0

mixed position solution (, triple mix)

INS

(iv)

2

(Class II)

2

가

GPS

(v)

RNP - 1 0

가

2

:

Initial Navigation System(INS)

FMS / Navigation Sensor combination (or equivalent)

GPS

가

2

(Class II)

가

GPS

(c) RNP - 1 0

:

가

가

RNP - 1 0

b. (1)

RNP - 1 0

가

(2) FL290

FL410

(a)

1 가

(i) 2

INS

(ii) 2

FMS / navigation sensor combinations ()

(iii)

2

(Class II)

2

가

GPS

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(Operations Specifications)

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(iv) 2 가 (LRNS) ;

▫ INS

▫ FMS / Navigation sensor combination (equivalent)

▫ Class - 가 GPS

: 10 NOV 2001

(Operations Specifications)

2001 - AXX

B039

(Operations in North Atlantic Minimum Navigation Performance Specifications(NAT/MNPS) Airspace)

(NAT/MNPS)

가

(NAT/MNPS)

a.

(Minimum Navigation Performance Required)

(NAT/MNPS)

가

(NAT/MNPS)

(1)

6.3NM

(2)

가

(NAT/MNPS)

30NM

5.3 X 10E - 4

(1,887

1

)

(3)

가

(NAT/MNPS)

50NM

70NM

1.3 X 10E - 4

(7,693

1

)

(4)

가 가

b.

(NAT/MNPS)

(1)

27 °

°

90 ° ()

(2)

Santa Maria

Shanwick

Reykjavik

(3)

Reykjavik

Gander

60 °

38 ° 30'

New York

(4)

FL285

FL420

c.

(NAT/MNPS)

(Navigation Equipment)	
B777 - 200	Honeywell IRS Honeywell FMS

)

: 28 FEB 2003

(Operations Specifications)

2001 - AXX

(AIRPORT NAME)	ICAO/IATA IDENTIFICATION	
(TOKYO/NARITA)	RJAA/NRT	B777_A330
/ (OKINAWA/NAHA)	ROAH/OKA	B777_A330
(MAJURO ATOLL INT 'L)	PKMJ/MAJ	B777_A330
(KWAJALEIN I - BUCHOLZ AAF - MIL)	PKWA/KWA	B777_A330
(MANILA)	RPMM/MNL	B777_A330
(LAPU - LAPU/CEBU)	RPVM/NOP	B777_A330
(DAVAO FRANCISCO BANGYO INT 'L)	RPMD/DVO	B777_A330
(MANADO SAM RATULANGI)	WAMM/MDC	B777_A330
(BIAK FRANS KAISIEPO)	WABB/BIK	B777_A330
(PORT MORESBY)	AYPY/POM	B777_A330
(NOUMEA TONTOUTA)	NWWW/NOU	B777_A330
(HONIARA HENDERSON)	AGGH/HIR	B777_A330
(NADI INT 'L)	NFFN/NAN	B777_A330
(DARWIN)	YPDN/DRW	B777_A330
(CAIRNS INT 'L)	YBCS/CNS	B777_A330
(TOWNSVILLE INT 'L)	YBTL/TSV	B777_A330
(BRISBANE INT 'L)	YBBN/BNE	B777_A330
(SYDNEY)	YSSY/SYD	B777_A330
(MELBOURNE)	YMMML/MEL	B777_A330
(AUCKLAND)	NZAA/AKL	B777_A330
(CHRISTCHURCH)	NZCH/CHC	B777_A330
(ABAKAN)	UNAA/ABA	B777_A330
(BRATSK)	UIBB/BTK	B777_A330
(CHELYABINSK BALABDINO)	USCC/CEK	B777_A330
(IRKUTSK)	UIII/IKT	B777_A330
(KAZAN)	UWKD/KZN	B777_A330
(KRASNOYARSK)	UNKL/KJA	B777_A330
(MOSCOW/SHEREMETEYEVO)	UUUE/SVO	B777_A330
(NOVOSIBIRSK TOLMACHEVO)	UNNT/OVB	B777_A330
(UFA)	UWUU/UFA	B777_A330
(ULAN - UDE MUKHINO)	UIUU/UUD	B777_A330
(YEKATERINBURG KOLTSOVO)	USSS/SVX	B777_A330

: 30 JUNE 2003

(Operations Specifications)

2001 - AXX

(AIRPORT NAME)	ICAO/IATA IDENTIFICATION	
(ANCHORAGE)	PANC/ANC	B777
(KINGSAMAN)	PAKN/AKN	B777
(COLD BAY)	PACD/CDB	B777
(EARECKSON SHEMYA)	PASY/SYA	B777
(FAIRBANKS)	PAFA/FAI	B777
(HAKODATE)	RJCH/HKD	B777
(MAGADAN SOKOL)	UHMM/GDX	B777
(SAPPORO/NEW CHITOSE)	RJCC/CTS	B777
(YUZINO SAKHALINSK)	UHSS/UUS	B777
(PETROPAVLOVSK KAMCHATSKY)		
YELIZOVO)	UHPP/PKC	B777
(TOKYO/NARITA INT 'L)	RJAA/NRT	B777
(TOKYO/HANEDA)	RJTT/HND	B777
(OSAKA/KANSAI)	RJBB/KIX	B777
(VANCOUVER)	CYVR/YVR	B777
(SEATTLE - TACOMA)	KSEA/SEA	B777
(PORTLAND)	KPDX/PDX	B777
(SAN FRANCISCO)	KSFO/SFO	B777
(OAKLAND)	KOAK/OAK	B777
(LOS ANGELES)	KLAX/LAX	B777
(GUAM/AGANA)	PGUM/GUM	B777
(SAIPAN INT 'L)	PGSN/SPN	B777
(HONOLULU)	PHNL/HNL	B777
(KAPOLEI KALAELOA)	PHJR/JRF	B777
(MAJURO ATOLL INT 'L)	PKMJ/MAJ	B777
(JOHNSTON ATOLL)	PJON/JON	B777
(WAKE ISLAND - MIL)	PWAK/AWK	B777
(MIDWAY NAF - ISLAND)	PMDY/MDY	B777
(KWAJALEIN I - BUCHOLZ AAF - MIL)	PKWA/KWA	B777
(CHICAGO/O'HARE INT 'L)	KORD/ORD	B777
(EDMONTON INT 'L)	CYEG/YEG	B777
(WINNIPEG INT 'L)	CYWG/YWG	B777
(YELLOWKNIFE)	CYZF/YZF	B777
(WHITEHORSE)	CYXY/YXY	B777
(SASKATOON/DIEFENBAKER INT 'L)	CYXE/YXE	B777
(CHURCHILL)	CYYQ/YQ	B777

: 30 JUNE 2003

(Operations Specifications)

2001 - AXX

B043

(Special Fuel Reserves)

136 19, 8.2.5.1 9 8.2.5.21 a.
b.

가

a.

B050

가

1.	Trip Fuel (1) Contingency Fuel Alternate Fuel 30Min Holding Fuel	10% 1500ft
2.	Trip Fuel (1) 2 Hours Reserve Fuel	
3.	가 2 Trip Fuel (1) Contingency Fuel 30 Min Holding Fuel	(Pre - Determined Point) 10% 1500ft (2)
4.	Trip Fuel (1) Contingency Fuel 30Min Holding Fuel	10% 1500ft

1) (Trip Fuel) 136 19
1 가 1

2) 2

3) 2 가

b.

(1) 6

6 가
1 (Ceiling) (Visibility) 가

a. 4

(a) (Circling Approach) (Ceiling) 가 가 MDA
1,500ft

: 10 NOV 2001

(Operations Specifications)

2001 - AXX

(b) (Ceiling) 가 가
1,500ft 2,000ft

(c) (Visibility) 가 4,800m(3miles)
가 (Visibility Minimum) 3,200m(2miles) 가

(2) (appropriate weather reports or forecasts)
(combination) 가

(a) 가 IFR

(b) 가 IFR

B044 REFILE
B044

: 10 NOV 2001

(Operations Specifications)

2001 - AXX

B044	Refile
	(Planned Refile or Rerelease En Route)

- B050 가
- Refile (Planned Planned Refile)
- Refiler) "Planned Rerelease" Planned Refile Planned Rerelease
- a. Refile 가
- Planned Refile Planned Rerelease
- Original Dispatch Refile 가
- Refiler Refiler 가
- Refiler Refiler
- b.
- Refiler
- (1) Original Flight Release Planned Refiler Refiler 가
- (2) (1) PIC
- (3) Refiler Point(Decision Point) Original Dispatch
- (4) Refiler Point(Decision Point) (1)
- (5) Planned Refiler 8.2.5.3
- (6) Refiler Point(Decision Point) 8.2.5.3 Refiler PIC 가 Release 가 가 가
- 가
- (7) PIC Refiler Point(Decision Point) Refiler Point(Decision Point)
- 가 Refiler Point(Decision Point) Clearance
- (Refiler airport) ATC 가
- (8) Refiler 8.2.5.3

: 10 NOV 2001

(Operations Specifications)

2001 - AXX

B046

(Operations in Reduced Vertical Separation Minimum(RVSM) Airspace)

RVSM
RVSM

가

RVSM

a. RVSM

가

RVSM

RVSM

가

(1)

RVSM

(a)

(i) (Ice Protection) 가

(Cross - coupled static source system)

(ii) (Static source)

(Display)

(iii) Transponder 가

Digital code

(iv)

(v)

(b) SSR(secondary surveillance radar)

Transponder

(c)

(d)

b.

RVSM

c.

RVSM

d. 가

(Authorized Alplanes)

D092

RVSM

가

e. RVSM

가

RVSM

가

RVSM

f. RVSM

가

RVSM

RVSM

(1)

가

ATC

: 8 SEP 2003

(Operations Specifications)

2001 - AXX

(2)

, ATC

가

: 8 SEP 2003

(Operations Specifications)	2001 - AXX
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B050	가
Authorized Areas of En Route Operations, Limitations, and Provisions	

가

가

가		
48 Columbia	District of	B031 , B032, B033, B034, B035

(Operations Specifications)

2001 - AXX

: 25 SEP 2003

(Operations Specifications)

2001 - AXX

PART C 가

*C051	(Terminal Instrument Procedures)			
*C052	가 -			
	(Basic Instrument Approach Procedure Authorizations - All Airports)			
	ILS, MLS, GPS Category I			
*C053	IFR -			
	(Straight-In Category I Approach Procedures Other Than ILS, MLS, or GPS and IFR Landing Minimums - All Airports)			
*C054	IFR			
	(Limitations and Provisions for Instrument Approach Procedures and IFR Landing Minimums)			
*C055	IFR			
	(Alternate Airport IFR Weather Minimums)			
*C056	IFR -			
	(IFR Takeoff Minimums - All Airports)			
*C059	Category II			
	(Category II Instrument Approach and Landing Operations)			
*C060	Category III			
	(Category III Instrument Approach and Landing Operations)			
*C061	CAT II, III			
	(Flight Control Guidance System for Automatic Landing Operations Other Than Categories II and III)			
C062	CAT II, III			
	(Manually Flown Flight Control Guidance System Certified for Landing Operations Other Than Categories II and III)			
C064	IFR - 가 ,			
	(Special Terminal Area IFR Operations - Authorizations, Limitations, and Provisions)			
*C067	가 ,			
	(Special Airport Authorizations, Provisions, and Limitations)			
*C070	가			
	(Airports Authorized)			
*C071	(Autopilot Engagement After Takeoff and During Initial Climb for Auto Flight Guidance Systems(AFGS) Operations)			
C073	VNAV IFR			
	(IFR Approach Procedures Using Vertical Navigation : VNAV)			
*C074	Category I ILS, MLS, GLS -			
	(Category I, ILS, MLS, or GLS Approach Procedures and IFR Landing Minimums - All Airports)			
*C075	Category I IFR -			
	(Category I IFR Landing Minimums - Circle-To-Land Approach Maneuver)			
*C077	(Terminal Flight Rules, Limitations, and Provisions - All Airports)			

: 25 SEP 2003

(Operations Specifications)

2001 - AXX

C078	IFR (IFR Lower Than Standard Takeoff Minimums — All Airports)			
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* : A004 가 . # : A004

: 25 SEP 2003

(Operations Specifications)

2001 - AXX

C051

(Terminal Instrument Procedures)

a.

가

(1)

(2)

8.2.7.71

8.2.7.85

8.3.5.21

8.3.5.23

(3)

(4)

가

ICAO

가

가

ICAO (Doc.)81 68 - OPS;

(Procedures for Air Navigation Services - Aircraft Operations (PANS - OPS) 2 (Volume II),

(Terminal Instrument Procedures : TERPS);

JAA JAR - OPS

1 (Joint Aviation Authorities , Joint

Aviation Requirements, Operational agreements, Part 1)

b.

(1)

가 ICAO PANS - OPS,

TERPS,

가

JAR - OPS - 1

(2)

ICAO PANS - OPS,

TERPS,

가

JAR - OPS - 1

가

가

가

(3)

linear measurement system)
(conversion table)

(Metric linear measurement system) U.S.

(U.S. standard Metric

1		2		
가 (RVR)		(VIS)		
Feet	Meters	(SM)	Meters	(NM)
250 ft	75 m	1/4 SM	400 m	1/4 NM
300 ft	100 m	3/8 SM	600 m	3/8 NM
400 ft	125 m	1/2 SM	800 m	1/2 NM
500 ft	150 m	5/8 SM	1000 m	5/8 NM
600 ft	175 m	3/4 SM	1200 m	7/10 NM
700 ft	200 m	7/8 SM	1400 m	7/8 NM
1000 ft	300 m	1 SM	1600 m	9/10 NM
1200 ft	350 m	1 1/8 SM	1800 m	1 1/8 NM
1600 ft	500 m	1 1/4 SM	2000 m	1 1/10 NM
1800 ft	550 m	1 1/2 SM	2400 m	1 3/10 NM
2000 ft	600 m	1 3/4 SM	2800 m	1 1/2 NM
2100 ft	650 m	2 SM	3200 m	1 3/4 NM
2400 ft	750 m	2 1/4 SM	3600 m	2 NM
3000 ft	1000 m	2 1/2 SM	4000 m	2 2/10 NM
4000 ft	1200 m	2 3/4 SM	4400 m	2 4/10 NM
4500 ft	1400 m	3 SM	4800 m	2 6/10 NM
5000 ft	1500 m			
6000 ft	1800 m			

: 11 FEB 2003

(Operations Specifications)

2001 - AXX

(4) 가 RVR , RVR
RVR 3
Category II III RVR Category I 가

3 [RVR=() X ()]		
가		
(HIALS HIRL)	1.5	2.0
	1.0	1.5
가	1.0	N/A

: 11 FEB 2003

(Operations Specifications)	2001 - AXX
-----------------------------	------------

C052	가 -
(Basic Instrument Approach Procedure Authorizations - All Airports)	

a. 가

(ILS & MLS 가)	(ILS & MLS 가)	(ILS, MLS, & GLS)
ASR	LDA with GLIDE SLOPE	ILS
GPS	RNAV (GPS)	ILS/PRM
LDA	VNAV(GPS/FMS)	MLS
LDA/DME		PAR
LOC		ILS/DME
LOC BC		LDA/PRM
LOC/DME		
NDB		
NDB/DME		
RNAV (GPS)		
VOR/DME RNAV		
SDF		
VOR		
VOR/DME		

b.

- (1) 가 ICAO PANS - OPS, TERPS 가
JAR - OPS - 1
- (2) (MDA) 가
- (3) 가 (Published DA)
- (4) ILS/PRM / LDA/PRM 가 PRM PRM FAA
Advisory Circular 90 - 98

(Operations Specifications)

2001 - AXX

C053	ILS, MLS, GLS	Category I	IFR
	(Straight-In Category I Approach Procedures Other Than ILS, MLS, or GLS - IFR Landing Minimums - All Airports		

(IFR) Category

I 가 가 Category I (IFR)

a. ILS, MLS, GLS Category I

(IFR) 가 TDZ RVR 가 (TDZ) 가 (RVR) (6)

Category I					
(ILS, MLS, GPS (GLS))		Category A,B,C		Category D	
	HAT (1,2,3)	RVR		RVR	
		(SM)	m(ft)	(SM)	m(ft)
(No Lights)	250	1	1500m (5000ft)	1	1500m (5000ft)
ODALS	250	3/4	1200m (4000ft)	1	1500m (5000ft)
MALS, SALS	250	5/8	1000m (3000ft)	1 (5)	1500m (5000ft) (5, 6)
MALSR, SSALR, ALSF - 1, ALSF - 2	250	1/2 (4)	750m (2400ft)	1 (5)	1500m (5000ft) (5, 6)
DME ARC Final Approach Segment,	500	1	1500m (5000ft)	1	1500m (5000ft)

- (1) FAF NDB HAT 50 ft 가
- (2) FAF NDB HAT 100 ft 가
- (3) FAF VOR HAT 50 ft 가
- (4) NDB 가 3/4 SM RVR RVR1 200m (4000 ft)
- (5) LOC 가 3/4 SM RVR RVR1 200m (4000 ft)
- (6) Mid RVR Rollout RVR(가) Mid RVR
 TDZ RVR 가 TDZ RVR

b. 가

(1) 가
 (Sequenced flashing lights)

(2) MDA(H) DA(H) 가 가

: 10 NOV 2001

(Operations Specifications)

2001 - AXX

- (a) MDA(H) DA(H) (OCL) 가 MDA(H) DA(H) (OCL)
(OCL) (THR) (TDZE) (THR) (TDZE)
. ILS, MLS, GLS , MDA(H) 10ft
(: 11 ft 20ft, 16ft 20ft)
- (b) (OCA)/ (OCH) 가 MDA(H)
DA(H) OCA/OCH . ILS, MLS, GLS MDA(H) 10ft
- (c) ILS, MLS, GLS HAT HAA a.
- (3) (OCL) / (OCA/OCH) b (2)
HAA/HAT / RVR TERPS
JAA JAR - OPS - 1
- (4) 가
가 MDA(H) DA(H)
- (a)
(b) (401 2. 가 .)
(c) (THR),
(d)
(e) (Visual Glide Path Indicator) (VASI, PAPI)
(f)

: 10 NOV 2001

(Operations Specifications)

2001 - AXX

C054

IFR

(Limitations and Provisions for Instrument Approach Procedures and IFR Landing Minimums)

a.

(PIC)

100

(PIC)

(PIC) RVR

RVR		RVR	
RVR 550m (1 800ft)		RVR 1 400m (4500ft)	
RVR 600m (2000ft)		RVR 1 400m (4500ft)	
RVR 750m (2400ft)		RVR 1 500m (5000ft)	
RVR 1 000m (3000ft)		RVR 1 500m (5000ft)	
RVR 1 200m (4000ft)		RVR 1 800m (6000ft)	
RVR 1 500m (5000ft)		RVR 1 800m (6000ft)	

b.

(1)

RVR 1 200m (4000ft)

(PIC)

가 3/4SM

(2)

(4000ft)

(PIC)

가 3/4SM

RVR 1200m

(a)

(Airplane Flight Manual)

15%

가

(b)

(All Weather)

가

: 10 NOV 2001

(Operations Specifications)

2001 - AXX

C055	IFR
	(Alternate Airport IFR Weather Minimums)

- a. 가 (IFR) IFR
- b.
- (1)
- (2)
- (3) CAT II CAT III 가
CAT III CAT II CAT III

IFR (SM = statute mile)		
	(Ceiling)	(Visibility)
1 가	CAT I HAT(, 가 HAA) + 400ft	CAT I + 1 SM
2 가 (, ETOPS 가 가)	2 CAT HAT + 200ft	2 CAT I + 1/2 SM
CAT CAT 2 가 (, ETOPS 가 가)	CAT : 300ft(HAT) - RVR 1200m	
	CAT : 200ft(HAT) - RVR 550m	

: 10 NOV 2001

(Operations Specifications)

2001 - AXX

C056	IFR
	(IFR Takeoff Minimums) All Airports

a. 2 1 SM 가 (RVR) 1500m(5000ft)
. 3 1/2 SM RVR 750m (2400ft)

b. RVR 가 가 RVR RVR
. RVR C056 RVR

c. 가 C056 가
가 C078 *IFR (TDZ) RVR 가

d. 가)가 (. TDZ RVR 가

: 10 NOV 2001

(Operations Specifications)

2001 - AXX

C059	Category II
	(Category II Instrument Approach and Landing Operations)

- Category II
- 3
- 가 Category II
- a. Category II : CAT II CAT II CAT II IFR CAT II IFR
- b. 가 g. 1 CAT II 1 3
- 가 1

	DH	가 RVR
B777 - 200, B777 - 300	100 ft	350 m (1 200 ft)

- c. CAT II : 가 CAT II DH 100 ft, RVR 300m (1 000ft) 가 1 가
- (1) (Autoland approach) Head-up Guidance System(HGS)
- (2) (Automatic Flight Control Guidance System) (Manually Flown Guidance System) 가 C060, C061, C062
- (3)Autopilot HGS 가 d. 2. CAT II

- d. Category II
- CAT II 가
- 2 가 가 Category II

2

CAT II		
가		
(Additional Equipment & Special Provisions)		
B777 - 200 B777 - 300		Yes

- e. RVR : RVR 가
- CAT II
- (1) RVR 500m(1 600ft) , TDZ RVR 가 RVR

: 28 FEB 2003

(Operations Specifications)

2001 - AXX

(2) RVR 500m(1 600ft)

, TDZ RVR Rollout RVR 가

. TDZ RVR
. Mid RVR (가)
Rollout RVR

Rollout RVR

Rollout RVR

f. : (PIC) 가 Category II

, Category II 가

Category II

CAT II

100

(PIC) RVR550m(1 800ft)

g. : RVR 가 가
가
DH
TDZ RVR 가 RVR 550m(1 800ft)

RVR 가

(1) d. 가
(2) CAT II 가

(a) CAT II

: ILS

Fix,

NDB, VOR, DME Fix,

GSIA(Glide Slope/Glide

Path Intercept

Altitude) Fix, 가

Outer Marker

. RA NA*(RADAR/Radio

Altimeter

가

CAT II

RADAR/Radio

Altimeter

Inner Marker

. Middle Marker

(b) ALSF - 1

ALSF - 2

(Sequenced flashing light)

가

(Sequenced flashing light)

(c)

(HIRL)

(d) 가

(TDZ)

(CL)

(3) e. RVR 가

(4) 15Kts (AFM)

(5) 가 (AOM) 15%

(6) approach HGS(Head - up Guidance System) 가 3. CAT II Auto - coupled

(7) 가 MALS R ALSF - 1 ALSF - 2 3.

h. : (Missed Approach)

(1) 가 (DH) 가

(2) 가 (DH) 가

(3) 가 (TDZ)

(4) (DH) CAT II

(5) CAT II 가 (TDZ) CAT II 1000ft

: 28 FEB 2003

(Operations Specifications)

2001 - AXX

Automatic Disengage 가
(6) 15Kts (AFM)

i. Category II 가 : 가 68 199 213
Category I & II 가
CAT II 가 3 Category II 가

3

(ICAO Identifier)		RVR(m)	
Abu Dhabi, UAE	OMAA	31	350

가 가가 가 CAT II

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(Operations Specifications)

2001 - AXX

- (1) b. (sequence flash light) CAT III
 (2) Fix, NDB, DME Fix, GSIA(Glide Slope/Glide Path
 Intercept Altitude) Fix Outer Marker
 (3) RVR 175m (600ft) CAT III ICAO CAT III
 가 (Taxiway Centerline Lighting) 가
 (4) 15Kts (AFM)

e. (Missed Approach Requirements)

- (1) Fail - Passive 가 CAT IIIa
 (a) (DH) 가
 (b) (DH) 가 가
 (c) Fail - Passive 가
 (d) 가
 (e) (DH) CAT III
 (Sequenced flashers) (AFM)
 (f) 15Kts
 (2) Rollout Control system Fail - Operational CAT III
 (a) (DH) , DH 가
 (b) (DH) DH 가
 (c) 가
 (d) / (AH/DH)
 (e) (sequenced flasher)
 (f) CAT III 15Kts (AFM)
 (3) e. (1) (2) Category

f. CAT III 가 (Authorized Category III Airports and Runways) :
 CAT III 가

2

		ICAO Identification		RVR(m)
Anchorage, AK,	USA	PANC	06R	200

가 가가 가 CAT III

(Operations Specifications)

2001 - AXX

C061

CAT II,III

(Flight Control Guidance System for Automatic Landing Operations Other

Than Categories II and III)

(CAT II, III)

가

a. 가

가

A300 - 600	THALES	FCC
A330 - 200	THALES	FMGEC
A330 - 300	THALES	FMGEC
B737 - 800	HONEYWELL	FCC
B737 - 900	HONEYWELL	FCC
B747 - 200Q (2)	HONEYWELL	Pitch and Roll Computer
B747 - 200R (1)	HONEYWELL	LRCU
B747 - 300	HONEYWELL	LRCU
B747 - 400	COLLINS	FCC
B777 - 200	COLLINS	AFDC
B777 - 300	COLLINS	AFDC
F1 00	COLLINS	FCC
MD - 1 1	HONEYWELL	FCC

(1) B747 - 200R : JT9D - 7R4G2

(2) B747 - 200Q : JT9D - 7Q

b.

(1)

가

(2)

가

(3)

가

가

(4)

가

(Qualified)

가

: 28 FEB 2003

<h1 style="margin: 0;">(Operations Specifications)</h1>	2001 - AXX
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C062	CAT II,III (Manually Flown Flight Control Guidance System Certified for Landing Operations Other Than Categories II and III)
------	---

가

(CAT II,III)
가

a. 가 : 가

B 737 - 800	COLLINS	HGS2350 / HGS4000
B 737 - 900	COLLINS	HGS2350 / HGS4000

b.

(1) 가

(2) 가

(3) 가

(4) (Qualified)

가

(Operations Specifications)

2001 - AXX

C064

IFR 가

(Special Terminal Area IFR Operations - Authorizations, Limitations, and Provisions)

가

a.

IFR 가

- (1) 가 가
- (2) 가 가
- (3)
- (4)

PIC

가

b.

(4)

a.(1)

c.

가

ATC,

IFR

가

가

a.(1)

(4)

(Operations Specifications)

2001 - AXX

C070	가
	(Airports Authorized)

- a. 가 .
- b. (R - Regular Airport), (A - Alternate Airport), (RF - Refueling Airport),
(P - Provisional Airport) , A002 .
- c. (Non - Scheduled Operations / Charter Operations) A030 .

가
(Airports Authorized for Scheduled Operations)

1.

(A _{REPORTS})	가 (A _{PLANES} A _{AUTHORIZED})						
ICAO (Airport Name, Identification)	B744 B747	B777	MD11	A330	A300 - 600	B737	F100
(RKSS)	R	R	R	R	R	R	R
(RKPC)	R	R	R	R	R	R	R

2.

(A _{REPORTS})	가 (A _{PLANES} A _{AUTHORIZED})						
ICAO (Airport Name, Identification)	B744 B747	B777	MD11	A330	A300 - 600	B737	F100
AUSTRARIA							
BRISBANE (YBBN/BNE)	R	R	R	R	-	-	-
CAIRNS (YBCS/CNS)	RF	RF	RF	RF			
DARWIN (YPDN/DRW)	-	A	-	A	-	-	-
MELBOURNE (YMML/MEL)	A	A	A	A	-	-	-
SYDNEY (YSSY/SYD)	R	R	R	R	-	-	-
TOWNSVILLE (YBTL/TSV)	A	A	A	A	-	-	-

: 27 SEP 2003

(Operations Specifications)

2001 - AXX

C071	(Autopilot Engagement Systems(AFGS) Operations)	After	Takeoff	and	During	Initial	Climb	for	Auto	Flight	Guidance

(500 feet) 8.2.7.74 가 가

b. 8.2.7.74 500 feet 가

- (1) (AFGS) 가
- (2) (AFM) 가
- (3) 가 가
- (4)

c. 가 : Command Mode 가 Control Wheel Steering

/ /	(AFGS)	(AFGS)
B747 - 400	COLLINS	250

c. 가 : (AFGS)

(Operations Specifications)

2001 - AXX

C073	VNAV	IFR
	(IFR Approach Procedures Using Vertical Navigation : VNAV)	

DA(H) ILS, MLS, GPS (GLS) MDA
가 .

a. 가 : VNAV 가 가
(RNAV)

	RNAV	
	/	
B777 - 200	Honeywell IRS Honeywell FMS Collins GPS or Honeywell GPS	

(:)

b. 가 : VNAV 가 .
가

	/	가	
JFK	VOR/DME RWY22L	12 = 15	

c. -DA : ()

(Operations Specifications)

2001 - AXX

C074	Category I ILS, MLS, GLS	-
	(Category I, ILS, MLS, or GLS Approach Procedures and IFR Landing Minimums)	All Airports

IFR Category I

Category I

a. Category I, ILS, MLS, GLS : ILS, MLS, GLS (TDZ) 가 (RVR) 가 가

(Precision Approaches)				
()				
(Approach Light Configuration)		HAT (ft)	Category	
			A, B, C	D
			TDZ RVR m(ft) (2)	m(SM)
ODALS		200	1200m(4000ft)	1200m(3/4)
MALSR	SALS	200	750m(2400ft)	800m(1 /2)
MALSR,	SSALR, ALSF - 1 ALSF - 2	200	750m(2400ft)	800m(1 /2)
TDZ CL	MALSR,	200	550m(1 800ft)	
TDZ CL	SSALR,			
TDZ CL	ALSF - 1 /ALSF - 2			(1)
MALS,	MALSR, SSALR,	200	550m(1 800ft)	
ALSF - 1 /ALSF - 2,				
REILS	HIRL, RAIL HIRL			(3)

1: 1/2 SM

2: Mid Rollout RVR (가)

Mid RVR TDZ RVR TDZ RVR

3: b. 가 (Qualified)

Category III HGS

b. 가

Category I IFR

a. 가

(1) 가 가 approach coupler, flight director, HGS(Head-up Guidance System) (PIC)

(2) , auto-pilot, flight director HGS 가 (PIC)

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(Operations Specifications)

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가 auto-pilot, flight director HGS
8.3.7.20 ILS

c. 가

(1)

가
(Sequenced flashing lights)

(2)

MDA(H) DA(H) 가
MDA(H) DA(H)

(a)

(OCL) (OCL) 가 MDA(H) DA(H)
(OCL) (TDZE) (THR) (TDZE)
(THR) (THR)
. ILS, MLS, GLS MDA(H) 10ft

(b)

OCA/OCH (OCA)/ (OCH) 가 MDA(H) DA(H)
. ILS, MLS, GLS MDA(H) 10ft

(c)

HAT HAA a.
(3) (OCL) / (OCA/OCH) c (2)
HAA/HAT / RVR TERPS JAA
JAR - OPS - 1

(4)

가
8.2.7.81
MDA(H)
DA(H)

(a)

(b)

(c)

(d)

(e)

(f)

(THR), 453 4. 가 .
(Visual glidepath indicator) (VASI, PAPI)

(Operations Specifications)

2001 - AXX

C075	Category I IFR (Category I IFR Landing Minimums - Circle - To - Land Approach Maneuver)
------	--

Category I IFR

가 가

a. 가 가 IFR

b. 가 IFR

가

c. (1) (Circling maneuvers) 가 가 1000ft 3SM
(flight check)

(2)

가 가 IFR
ICAO (JAR OP - 1) FAA (TERPS)

(a) ICAO (JAR OPS)

Category	(Max IAS)	MDH(HAA)	(Visibility)	(NM)
A	100 kts	400 ft	1600 m	1.7
B	135 kts	500 ft	1600 m	2.7
C	180 kts	600 ft	2400 m	4.2
D	205 kts	700 ft	3600 m	5.3

) 가 ICAO JEPPESEN Approach Chart
"PANS OPS"

(b) FAA(TERPS)

(Max IAS)	MDH(HAA)	(Visibility)	(NM)
90 kts	350 ft	1600 m	1.3
120 kts	450 ft	1600 m	1.5
140 kts	450 ft	2400 m	1.7
165 kts	550 ft	3200 m	2.3

) 가 FAA(TERPS) JEPPESEN Approach Chart
"PANS OPS"

(Operations Specifications)

2001 - AXX

C077

(Terminal Flight Rules, Limitations, and Provisions - All Airports)

C077

B050

IFR

가

a.

[Terminal arrival IFR - Visual approach or a

Charter Visual Flight Procedure (CVFP)] :

CVFP

e.

CVFP

(1) 가 B, C, D E 3NM

Transition area

(2) 가

(3) 8.2.7.51

(4) CVFP : ATC 가

가

(a) 8.2.7.51 3SM

(b) 1000ft

(c) 가 8.2.7.51

8.2.7.52

(5) (CVFP) CVFP

CVFP

가 CVFP

b.

VFR(Terminal arrival VFR) : VFR

IFR

VFR

e.

VFR

(1)

(a) 8.2.7.51

(b) 1000 ft

(c) 8.2.7.51

(d) 가 8.2.7.51

8.2.7.52

(2) 가 :

(a) (Controlled airports) : B, C, D E

10NM

가 가

ATC 가

(b) (Uncontrolled airports) :

10NM

(3)

가

가

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(Operations Specifications)

2001 - AXX

8.2.7.5

8.3.5.1

- c. VFR(Terminal departures VFR) : ATC IFR 가
- VFR e.
- VFR
- (1)
- (a) 8.2.7.51
- (b) 1,000 ft
- (c) 8.2.7.51
- (d) 가 8.2.7.51
- 8.2.7.52
- (2) VFR (VMC)
- (3) 8.2.7.51 IFR 가 50NM 가
- (4) 가
- 가
- 8.2.7.5 8.3.5.1
- d. IFR(Terminal departures IFR) - ATC 가
- 가 e. 가 IFR 가 (VMC) 가
- e. 가 (Special Limitations and Provisions for Visual Flight Rules) : (VFR)
- (1)
- (2)

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(Operations Specifications)

2001 - AXX

- (b) (CL)
- (c) (RCLM) 가
- (d) Localizer ()
- (e) 10kt
- (f) Touchdown zone RVR, Rollout RVR 가 controlling
- RVR 가 RVR 가 RVR controlling -1
- (g) (PIC) (SIC) 가 가
- (h) ICAO CAT III 가 가

(2) 가
-1

(M/M/S)	가 RVR	
A330 (ALL)	75m	PVI

- d. RVR 가 () : Touchdown zone RVR 가 RVR 가
- touchdown zone RVR 가
- (1) 가 가 RVR 가
- (2) 가 가

(Operations Specifications)

2001 - AXX

Part 5D

(MAINTENANCE)

D092	RVSM			가	
	(Maintenance Program Authorization for Airplanes Used for Operations in Designated Reduced Vertical Separation Minimum(RVSM) Airspace)				

* : A004 가

: A004

: 29 MAR 2003

D092	RVSM 가
	(Maintenance Program Authorization for Airplanes Used for Operations in Designated Reduced Vertical Separation Minimum(RVSM) Airspace)

RVSM

			RVSM 가

B046. c.

RVSM

가

4 4.2.6

(Operations Specifications)	2001 - AXX
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Part E (MASS/WEIGHT AND BALANCE)

*E096	(Mass/Weight and Balance Control Procedure)			
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- : A004 가

: A004

: 29 MAR 2003

Part E (MASS/WEIGHT AND BALANCE)

E096	(Mass/Weight and Balance Control Procedure)
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9.3.1.16

가

가	/ 가	()
	2001 .11.10	(SELOE) (SELCT) (SELFT)

Weight & Balance Manual
FOM 6

POM

- a. (가) 가
- b. (가) 가
- c.
- d.
- e. WEIGHT & BALANCE MANIFEST LOAD SHEET