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*****  
*           Sabre® AirCentre™ Flight Plan Manager           *  
*           BRIEFING COVER PAGE                             *  
*           UAL430/13APR      ACFT N423UA      DEN-ONT      *  
*           RELEASE NUMBER : 01                             *  
*****
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CONTENTS INCLUDE THE FOLLOWING:

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1. Route Chart
2. Additional Dispatcher Release Remarks
3. OperationalFlightplan
4. BLANK
5. Wind Matrix
6. Met Briefing
7. BLANK2
8. DILReq
9. LOGReq
10. BLANK3
11. NOTAM Briefing

Route Chart

UAL430 DEN-ONT

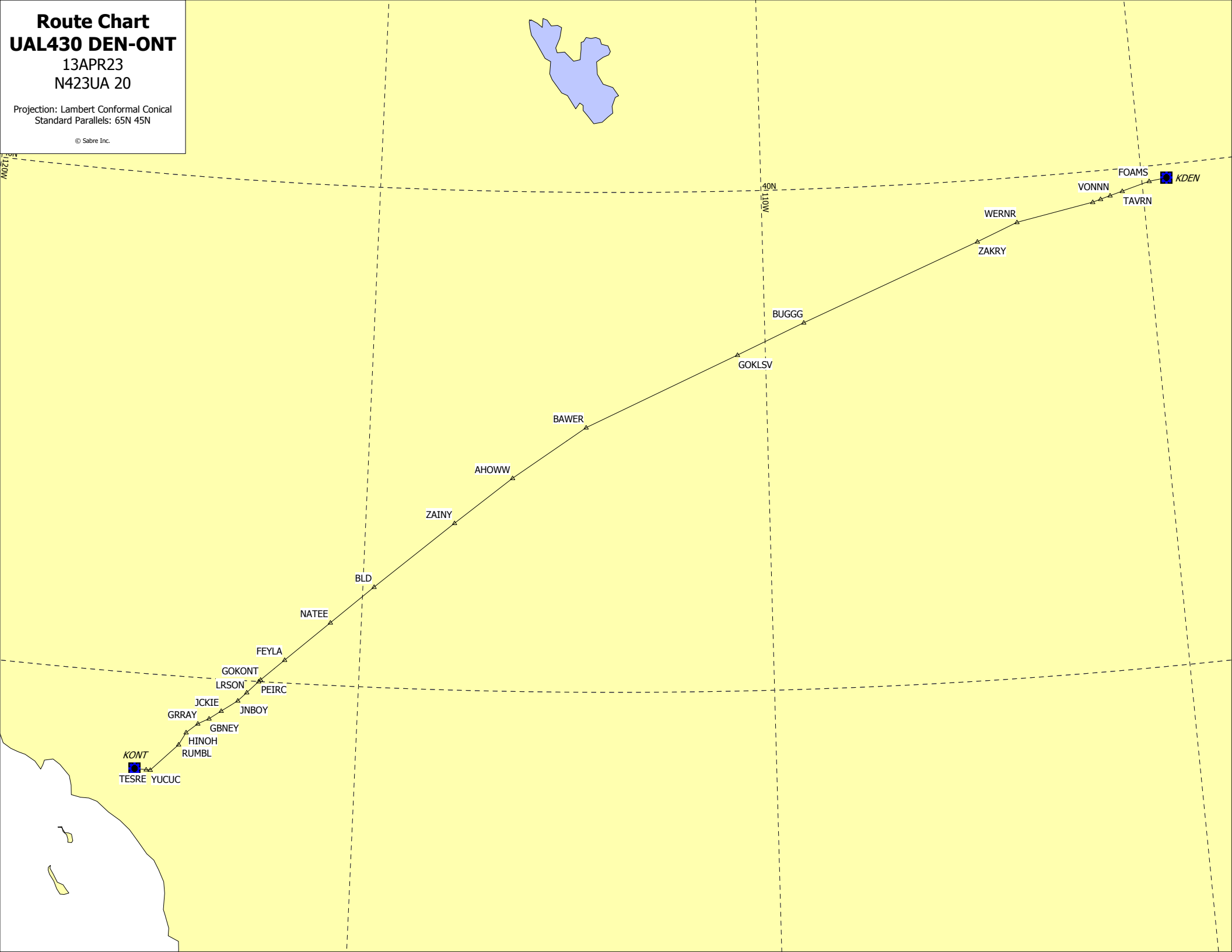
13APR23

N423UA 20

Projection: Lambert Conformal Conical

Standard Parallels: 65N 45N

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\*END - GRAPH \*

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\* ADDITIONAL DISPATCHER RELEASE REMARKS \*

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1. B777

UNLESS SUPERSEDED BY NOC INSTRUCTIONS B777 BUNK EQUIPPED AIRCRAFT OPERATING AS AN AUGMENTED CREW WITH A CLASS 1 REST FACILITY OPERATE IN ACCORDANCE WITH OPSPEC A318 CALA-001. REFERENCE CONTENT APP-FRMS.

2. GUAM ISLAND HOPPER

UNLESS SUPERSEDED BY NOC INSTRUCTIONS B737 OPERATIONS ON THE GUAM ISLAND HOPPER OPERATE IN ACCORDANCE WITH OPSPEC A318 CALA-002 REFERENCE CONTENT APP-FRMS.

3. CALIFORNIA-SYD

UNLESS SUPERSEDED BY NOC INSTRUCTIONS B787 AND B777 OPERATIONS ON SFO-SYD AND LAX-SYD SEGMENTS OPERATE IN ACCORDANCE OPSPEC A318 CALA-004. REFERENCE CONTENT APP-FRMS.

4. IAH-SYD

UNLESS SUPERSEDED BY NOC INSTRUCTIONS B787 IAH-SYD-IAH SEGMENTS OPERATE IN ACCORDANCE WITH OPSPEC A318 CALA 006. REFERENCE CONTENT APP-FRMS.

5. CA-MEL

UNLESS SUPERSEDED BY NOC INSTRUCTIONS B787 AND B777 OPERATIONS ON SFO-MEL AND LAX-MEL SEGMENTS OPERATE IN ACCORDANCE WITH OPSPEC A318 CALA-008DC FOR PURPOSE OF DATA COLLECTION. REFERENCE CONTENT APP-FRMS.

6. CALIFORNIA-SIN

UNLESS SUPERSEDED BY NOC INSTRUCTIONS B787 SFO-SIN-SFO AND LAX-SIN-LAX SEGMENTS OPERATE IN ACCORDANCE WITH OPSPEC A318 CALA-005. REFERENCE CONTENT APP-FRMS.

7. 3 PILOT AUGMENTED

UNLESS SUPERSEDED BY NOC INSTRUCTIONS PILOTS ON 3 PILOT AUGMENTED FLIGHTS WITH SCHEDULED FLIGHT DUTY PERIODS OF LESS THAN 14 HOURS MAY TAKE INFLIGHT CREW REST IN ACCORDANCE WITH OPSPEC A318 CALA-003. REFERENCE CONTENT APP-FRMS.

8. CONUS-DEL

UNLESS SUPERSEDED BY NOC INSTRUCTIONS B787 AND B777 SFO-DEL-SFO SEGMENTS OPERATE IN ACCORDANCE WITH FRMS EXEMPTION 18401 FOR PURPOSES OF DATA COLLECTION. LOSS OF AIRSPACE CONTINGENCY PROCEDURE (LACP) CONDITIONS AND LIMITATIONS 38-46 APPLY FOR ORD-DEL-ORD SEGMENTS. REFERENCE CONTENT APP-FRMS.

9. CONUS (EAST)-SOUTH AFRICA

UNLESS SUPERSEDED BY NOC INSTRUCTIONS B787 AND B777 EWR-JNB-EWR, EWR-CPT, CPT-EWR, IAD-CPT AND CPT-IAD SEGMENTS OPERATE IN ACCORDANCE WITH OPSPEC A318 CALA-009DC FOR PURPOSE OF DATA COLLECTION. REFERENCE CONTENT APP-FRMS

10. EQUIVALENCE OF ACCLIMATION

UNLESS SUPERSEDED BY NOC INSTRUCTIONS ALL PILOTS WILL OPERATE IN ACCORDANCE WITH FRMS EXEMPTION 18656 FOR PURPOSES OF DATA COLLECTION WHEN THEY HAVE DEADHEADED AND CHANGED THEATERS AND ACCLIMATED TO THE NEW THEATER. REFERENCE CONTENT APP-FRMS.

CONTINUED ON NEXT PAGE.

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11. EWR-INDIA-EWR LACP  
CONTINGENT ON AN OPS ALERT NOTIFICATION THAT THIS FRMS IS IN EFFECT. B777 AND  
B787 EWR-BOM-EWR AND EWR-DEL-EWR SEGMENTS OPERATE IN ACCORDANCE WITH FRMS  
EXEMPTION NO.17800 FOR PURPOSES OF DATA COLLECTION. REFERENCE CONTENT APP-FRMS.  
\*\*\*\*\*  
\* END - ADDITIONAL DISPATCHER RELEASE REMARKS \*  
\*\*\*\*\*  
\*NEXT - OFP \*

B

UAL430		OPERATIONAL FLIGHTPLAN PG 1/5 PRTD 13APR23 1539.37				
UAL430-13		13APR23	KDEN/DEN	OUT	1715Z/1115L	OFF 1735Z/1135L
N423UA/4623		A320	KONT/ONT	ON	1933Z/1233L	IN 1937Z/1237L
WIND	131200	140000	01:55/00:03E		VRNT 2 RTG 102 RLSE 01	
RLSD IFR TO KONT/ONT			CH07	KAI OJALA	847-700-3307	
FAR 121.191A1 ENRT LIMIT: METHOD 1 ENG AND WING ANTI-ICE ON						
MEL ITEM INFO						
3021 - NOT AUTHORIZED FOR GCM OPERATIONS (A320)						
3023 - NO AUTOLAND ANC AND FAI (320)						
3405 - RNAV RNP - AR NOT AUTHORIZED						
9790 - BROADBAND ANTENNA INSTALLED - A320						
DISPATCHER REMARKS						
PLND LOW FCST TURB MOST OF ROUTE ABOVE FL320 CLIMB IF ABLE						
NO SIG ENROUTE WX FCST						
NO ARVL DELAYS EXPECTED AT ETA						
SYSTEM INFO						
VIA OPTIMIZED-CMPY-WERNR ZAKRY BUGGG Q114 NATEE						
COLDEST ENRT TAT M17C (***) (N3730.0 W11231.3) 1:01/402NM						
IA:KDEN-KLSV-KONT						
M1 CLEARS TERRAIN						
PTOG 151674 ENRT ATOG 172796 ENG AND WING ANTI-ICE ON						
ACF90=12/ACF99=17 SAMPLE=181 AVGBDE=05 STDEV=05						
ROUTING						
DIST	735	WC	H38	IDLE/PERF	0/+4.1	FECO -103 USD/1K
CI	80	OPTD	F300	LRSON/F220	JNBOY/F200	GBNEY/F140
FMS INIT LOAD				TOW PARAMETERS		
KDEN/KONT				R17L T21 A2935 W220/14 HW10		
ARPT REF POINT N3951.7 W10440.4				XW09 F2 DRY AI/ANTI-ICE OFF		
F300/M42 (P02) TROP F400				AC/BLEEDS ON L12000		
TOC WERNR+10NM				LW PARAMETERS		
ZFW	132066 / 134350L			R26L T11 A2983 W240/06 HW05		
TOW	151674 / 153958L			XW03 FULL DRY AI/E AC/ON ENRT		
LW	139916 / 142200S			ICE ACCR L10200		
NO REDISPATCH POINT						
INTENDED DEST						
KONT/ONT	01:55	11757				
FAR	00:45	4028				
00 PCT	00:00	0				
KLAX/LAX	00:17	1482				
N/A	00:00	0				
ADD	00:00	0				
CF	00:00	0				
UNSL	00:00	0				
MIN T/O	02:57	17267				
EXTRA	00:14	1296				CAPT
CAPT	00:00	0				SS DUNIPACE
ACF90	00:12	1045				DOM KORD
PLAN T/O	03:23	19608				MIN C3
TAXI	00:29	917				SIGNED
PLAN GATE	03:52	20525				
REMF	01:29	7851				
CI 120	-00:00	9	LCL APT		DIST	TIME FUEL
CI 0	00:11	-467	KLGB		31	00:12 952
PER 1K		78	KBUR		39	00:14 1111

TKOF ALTN											
DIST		TIME		FUEL							
		00:00		0							
ARWY	POSITION	MC	DIST		TIME	MOR	FL	MACH	GS/TAS	ZBO	
COORDINATES		MH		EST	ET	ATA	TROP	SAT	WIND	FUEL	
NAME		TC/TH									
FMS POSN VERIFIED											
	KDEN 5434FT	---	0		0	---	---	M787	379/417	917	
N3951.7	W10440.4	---	735		0:00		F385	M43	212/041	19608	
DENVER INTL		---/---									
R17L	FOAMS	257	13		4	117	CLB	---	---/---	875	
N3950.6	W10454.3	255	722		0:04		F396	---	---/---	18733	
FOAMS		264/262									
R17L	TAVRN	248	18		3	166	CLB	---	---/---	608	
N3946.2	W10516.1	244	704		0:07		F396	---	---/---	18124	
TAVRN		255/251									
R17L	VONNN	247	8		1	166	CLB	---	---/---	240	
N3944.2	W10525.9	243	696		0:08		F396	---	---/---	17884	
VONNN		255/251									
R17L	TEEBO	247	7		1	166	CLB	---	---/---	174	
N3942.6	W10533.6	242	689		0:09		F396	---	---/---	17710	
TEEBO		255/250									
R17L	CONNR	247	6		1	166	CLB	---	---/---	159	
N3941.3	W10539.9	241	683		0:10		F396	---	---/---	17551	
CONNR		255/249									
R17L	WERNR	252	48		7	168	CLB	---	---/---	1038	
N3932.9	W10640.3	245	635		0:17		F396	---	---/---	16513	
WERNR		260/253									



UAL430		OPERATIONAL FLIGHTPLAN PG 4/5 PRD 13APR23 1539.37								
UAL430-13		13APR23		N423UA/4623		A320		VRNT 2 RTG 102		RLSE 01
ARWY	POSITION	MC	DIST	EST	TIME	MOR	FL	MACH	GS/TAS	ZBO
COORDINATES		MH			ET	ATA	TROP	SAT	WIND	FUEL
NAME		TC/TH								
R26L	LRSON	212	10		2	138	F220	---	---/---	29
N3453.0 W11620.0		213	88		1:36		F395	M26	248/027	8622
LRSON		223/224								
R26L	(T/D)	214	2		0	138	F220	M737	428/452	40
N3451.6 W11621.7		215	86		1:36		F395	M26	248/027	8583
		225/226								
R26L	JNBOY	212	6		1	138	F200	---	---/---	18
N3447.8 W11626.1		214	80		1:37		F395	M22	252/024	8565
JNBOY		224/226								
R26L	(T/D)	223	5		1	138	F200	M701	411/433	82
N3444.9 W11631.0		224	75		1:38		F395	M22	252/024	8483
		234/235								
R26L	JCKIE	223	7		1	138	DSC	---	---/---	22
N3441.1 W11637.5		225	68		1:39		F395	---	---/---	8461
JCKIE		235/237								
R26L	GBNEY	223	9		2	138	F140	---	---/---	37
N3436.1 W11645.8		225	59		1:41		F395	M09	290/016	8424
GBNEY		234/236								
R26L	(T/D)	230	8		1	138	F140	M639	395/405	139
N3432.6 W11653.5		233	51		1:42		F395	M09	290/016	8285
		241/244								
R26L	GRRAY	169	0		0	138	DSC	---	---/---	2
N3432.6 W11653.5		233	51		1:42		F395	---	---/---	8283
GRRAY		180/244								
R26L	HINOH	218	9		1	138	DSC	---	---/---	33
N3427.0 W11701.4		220	42		1:43		F373	---	---/---	8250
HINOH		229/231								
R26L	KONT 944 FT	219	42		12	124	DSC	---	---/---	400
N3403.4 W11736.1		260	0		1:55		F382	---	---/---	7851
ONTARIO		231/272								
RTNG TO KLAX/LAX										
ARWY	POSITION	MC	DIST	EST	TIME	MOR	FL	MACH	GS/TAS	ZBO
COORDINATES		MH			ET	ATA	TROP	SAT	WIND	FUEL
NAME		TC/TH								
	KONT 944 FT	---	0		0	---	---	M467	235/240	0
N3403.4 W11736.1		---	61		0:00		F384	P00	304/008	7851
ONTARIO		---/---								



OPERATIONAL FLIGHTPLAN PG 5/5 PRTD 13APR23 1539.37

ARWY	POSITION	MC	DIST	EST	TIME	MOR	FL	MACH	GS/TAS	ZBO
COORDINATES		MH	TC/TH		ET	ATA	TROP	SAT	WIND	FUEL
NAME										
SID	(T/C)	249	10		3	124	F080	---	---/---	800
N3401.7 W11748.0		---	51		0:03		F382	P01	296/010	7050
		260/---								
DCT	(T/C)	249	8		2	124	F100	---	---/---	238
N3400.4 W11757.5		---	43		0:05		F382	P00	294/014	6812
		261/---								
DCT	(T/D)	250	2		0	124	F100	M480	298/309	31
N3400.1 W11759.9		---	41		0:05		F382	P00	294/014	6781
		261/---								
IAL	KLAX 128 FT	249	41		12	124	DSC	---	---/---	412
N3356.5 W11824.5		251	0		0:17		F389	---	---/---	6369
LOS ANGELES INTL		260/262								

LDG INFO

## CRITICAL TERRAIN SCENARIO

M1 CLEARS TERRAIN

PTOG 151674 ENRT ATOG 172796 ENG AND WING ANTI-ICE ON

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\*END - OFP \*  
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COST INDEX

319/20	.	EARLY	CI	16/	LATE	CI	80/	MAX	FLEET	CI	120	OR	MACH	M.800
B737	.	EARLY	CI	10/	LATE	CI	120/	MAX	FLEET	CI	120	OR	MACH	M.805
B757	.	EARLY	CI	15/	LATE	CI	250/	MAX	FLEET	CI	300	OR	MACH	M.830
B763	.	EARLY	CI	15/	LATE	CI	300/	MAX	FLEET	CI	300	OR	MACH	M.840
B764	.	EARLY	CI	40/	LATE	CI	300/	MAX	FLEET	CI	300	OR	MACH	M.840
B777	.	EARLY	CI	20/	LATE	CI	400/	MAX	FLEET	CI	400	OR	MACH	M.850
B787	.	EARLY	CI	05/	LATE	CI	500/	MAX	FLEET	CI	800	OR	MACH	M.880

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\*NEXT - WEATHER\*  
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B

**FORECAST WINDS AND TEMP SUMMARY**

UAL430 13APR23 KDEN-KONT  
OBSERVATION - 13/04/23 06.00Z

**DESCENT WINDS**

FL390	266/031
FL340	298/026
FL300	306/030
FL240	314/035

**ENROUTE WINDS**

WAYPT	SECTOR W/V AND TEMP				
	240	300	340	390	450
KDEN					
FOAMS	196/47P07	212/52P02	212/56M01	214/54M07	222/45P01
TAVRN	196/47P07	212/53P02	212/56M01	214/54M07	222/45P01
VONNN	196/47P07	212/53P02	212/56M01	214/54M07	222/45P01
TEEBO	196/47P07	212/53P02	212/56M01	214/54M07	222/45P01
CONNR	196/47P07	212/53P02	212/56M01	214/54M07	222/45P01
WERNR	210/50P08	204/56P03	204/54P00	202/51M07	224/53P00
TOC	214/58P06	210/64P02	206/64P00	194/55M03	222/54P00
ZAKRY	214/58P06	210/64P02	206/64P00	194/55M03	222/54P00
BUGGG	214/58P06	210/67P01	206/69P00	206/54P00	218/42P00
BAWER	220/41P05	214/46P00	206/56M01	210/56M02	222/54P03
AHOWW	218/42P04	212/53M01	212/50M02	214/50M01	228/51P03
ZAINY	226/40P03	216/58M01	218/52M02	224/49P00	230/43P03
BLD	234/41P03	224/48M01	230/42M01	236/42P01	238/37P02
NATEE	234/41P03	224/48M01	230/41M01	236/42P01	238/37P02
FEYLA	246/31P03	252/36M01	266/28P01	246/31P00	246/38P02
TOD	246/31P03	252/36M01	266/28P01	246/31P00	246/38P02
PEIRC	246/31P03	252/36M01	266/28P01	246/31P00	246/38P02
LRSON	246/31P03	252/36M01	266/28P01	246/31P00	246/38P02
TOD	246/31P03	252/36M01	266/28P01	246/32P00	246/38P02
JNBOY	246/31P03	252/36M01	266/28P01	246/32P00	246/38P02
TOD	246/31P03	252/36M01	266/28P01	246/32P00	246/38P02
JCKIE	246/31P03	252/36M01	266/28P01	246/32P00	246/38P02
GBNEY	246/31P03	252/36M01	266/28P01	246/32P00	246/38P02
TOD	248/32P03	254/36M01	266/28P01	246/32P00	246/38P02
GRRAY	248/32P03	254/36M01	266/28P01	246/32P00	246/38P02
HINOH	322/41P03	328/37M01	302/28M01	272/31P00	252/32P01
RUMBL	322/41P03	328/37M01	302/28M01	272/31P00	252/32P01
YUCUC	314/35P03	306/30P00	298/26P00	266/31M01	254/34P02
TESRE	314/35P03	306/30P00	298/26P00	266/31M01	254/34P02
KONT	314/35P03	306/30P00	298/26P00	266/31M01	254/34P02

UAL430 13APR23 DEN-ONT

KDEN -DEN - DENVER INTL

07/25 12000 08/26 12000 16L/34R 12000 16R/34L 16000 17L/35R  
12000 17R/35L 12000  
METAR 131453Z 20010KT 10SM SCT120 BKN150 BKN220 17/M01 A2963  
RMK AO2 SLP960 T01721006 52002=  
METAR 131353Z 20008KT 10SM SCT120 BKN150 BKN220 16/M01 A2963  
RMK AO2 SLP956 T01611006=  
METAR 131253Z 22004KT 10SM SCT120 BKN150 BKN200 16/M02 A2963  
RMK AO2 SLP956 T01561017=  
TAF 131142Z 1312/1408 22014KT P6SM BKN150  
FM131800 21016G28KT P6SM BKN100 BKN150  
PROB30 1321/1401 VRB25G38KT -RA BKN080  
FM140100 31012KT P6SM BKN120  
FM140600 01008KT P6SM BKN080 OVC120  
RMK WSI/ER=

KONT -ONT - ONTARIO

08L/26R 12197 08R/26L 10200  
METAR 131453Z 24006KT 9SM BKN012 OVC055 12/11 A2980 RMK AO2  
SLP088 CIG 010V014 T01170111 53012=  
SPECI 131421Z 26007KT 10SM SCT009 BKN013 OVC032 12/11 A2978  
RMK  
AO2 T01170111=  
SPECI 131410Z 24008KT 7SM SCT008 SCT013 OVC031 12/11 A2978 RMK  
AO2 OVC V BKN T01170111=  
METAR 131353Z 26008KT 6SM BR BKN008 OVC013 12/12 A2978 RMK AO2  
SLP081 OVC V BKN T01170117=  
SPECI 131327Z 24006KT 6SM BR BKN008 BKN022 OVC031 12/11 A2977  
RMK AO2 T01170111=  
METAR 131253Z 24005KT 6SM BR FEW008 SCT010 OVC023 12/12 A2976  
RMK AO2 SLP076 T01170117=  
TAF 131130Z 1312/1418 26008KT 6SM HZ OVC018  
TEMPO 1312/1314 3SM -SHRA BR BKN007  
FM131500 24006KT 4SM BR BKN018  
FM132300 26012KT 6SM BR BKN022=

KLAX -LAX - LOS ANGELES INTL

06L/24R 8926 06R/24L 10885 07L/25R 12923 07R/25L 11095  
METAR 131453Z 00000KT 7SM FEW016 BKN025 BKN030 13/11 A2981 RMK  
AO2 SLP092 T01280106 53009 \$=  
SPECI 131424Z 24005KT 7SM FEW016 BKN025 BKN030 12/10 A2981 RMK  
AO2 T01220100 \$=  
METAR 131353Z 27007KT 7SM FEW009 SCT029 BKN035 12/09 A2979 RMK  
AO2 SLP087 T01170094 \$=  
METAR 131253Z 24005KT 9SM FEW009 BKN028 BKN035 12/10 A2978 RMK  
AO2 SLP082 T01170100 \$=  
TAF 131501Z 1315/1418 VRB03KT P6SM OVC025  
FM131700 24007KT P6SM OVC025  
FM132000 25009KT P6SM OVC035  
FM140200 26008KT P6SM OVC035  
FM140800 24007KT P6SM OVC025  
FM141200 13008KT P6SM BKN035=

KDRO -DRO - DURANGO-LA PLATA CO

03/21 9201  
METAR 131453Z AUTO 14005KT 10SM CLR 11/02 A2984 RMK AO2 SLP046  
T01110017 58001=  
METAR 131353Z AUTO 00000KT 10SM OVC100 10/01 A2984 RMK AO2  
SLP048 T01000011=

METAR 131253Z AUTO 05007KT 10SM OVC100 08/01 A2984 RMK AO2  
SLP045 T00830011=  
TAF 131133Z 1312/1412 16008KT P6SM BKN100  
FM131600 21013G21KT P6SM BKN200  
FM132300 24016G26KT P6SM BKN110  
FM140400 26011G19KT P6SM BKN050  
FM140900 16008KT P6SM VCSH BKN050=

KCOS -COS - COLORADO SPRINGS  
13/31 8270 17L/35R 13500 17R/35L 11022  
METAR 131454Z 18014KT 10SM FEW100 SCT150 BKN200 16/M01 A2972  
RMK AO2 SLP988 T01611006 50003=  
METAR 131354Z 18014KT 10SM SCT170 BKN200 17/M01 A2973 RMK AO2  
SLP985 T01671011=  
METAR 131254Z 19017G25KT 10SM SCT150 BKN240 15/M02 A2972 RMK  
AO2 WSHFT 1219 SLP978 T01501017=  
TAF 131243Z 1313/1412 18014KT P6SM BKN200  
TEMPO 1313/1316 20015G25KT  
FM131600 20015G30KT P6SM SCT120 BKN200  
FM132200 23020G35KT P6SM SCT100 BKN200  
FM140300 28012KT P6SM SCT080 BKN150  
FM140600 35012KT P6SM SCT060 BKN100=

KLSV -LSV - NELLIS AFB  
03L/21R 10120 03R/21L 10051  
METAR 131455Z AUTO 25007G18KT 10SM CLR 17/01 A2953 RMK AO2  
SLP983  
T01680008 52014 \$=  
METAR 131355Z AUTO 20016KT 10SM CLR 16/01 A2952 RMK AO2 SLP979  
T01630012 \$=  
METAR 131255Z AUTO 20011G17KT 10SM CLR 17/02 A2951 RMK AO2  
SLP975  
T01670015 \$=  
TAF 131500Z 1315/1421 20010G20KT 9999 SCT180 BKN220 510009  
QNH2953INS  
TEMPO 1315/1318 33015G25KT 520009  
BECMG 1318/1319 31010G20KT 9999 FEW180 SCT220 510009  
QNH2958INS  
BECMG 1406/1407 35009KT 9999 FEW180 QNH2961INS  
BECMG 1417/1418 06010G15KT 9999 FEW250 QNH2965INS  
TX26/1322Z TN10/1414Z=

KPVU -PVU - PROVO MUNI  
13/31 8603 18/36 6628  
METAR 131456Z 34021G29KT 10SM BKN035 OVC045 05/01 A2973 RMK  
AO2  
PK WND 32030/1436 SLP046 T00500006 52040=  
METAR 131356Z 33023G28KT 10SM FEW040 SCT070 BKN090 06/02 A2969  
RMK AO2 PK WND 32030/1341 SLP028 T00560022=  
METAR 131256Z 32020G26KT 10SM FEW040 BKN100 08/03 A2963 RMK  
AO2 PK  
WND 32026/1253 SLP000 T00780033=  
TAF 131120Z 1312/1412 31016G26KT P6SM FEW050 BKN100  
FM131400 32015G25KT P6SM VCSH SCT030 BKN060  
FM131600 30020G30KT 4SM -RASN SCT030 BKN040  
FM132000 30012KT P6SM SCT100  
FM140400 15004KT P6SM FEW200=

PR 131507Z DEN UA /OV DEN310044/TM 1507/FL160/TP B737/TB MOD  
160-120

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PR 131443Z ARP UAL1378 4026N 10455W 1443 F142 TB LGT-MOD

PR 131441Z ARP UAL1378 4025N 10503W 1441 F156 TB LGT-MOD

PR 131438Z ARP UAL1378 4032N 10525W 1438 F205 TB LGT

PR 131410Z DEN UA /OV DEN330035/TM 1410/FL140/TP A320/TB MOD

PR 131403Z DEN UA /OV DEN320045/TM 1403/FL210/TP B737/TB MOD

PR 131316Z COS UA /OV BRK260050/TM 1316/FL380/TP A320/TB  
MOD/RM ZDV

PR 131528Z HDN UA /OV SBS180020/TM 1528/FL160/TP BE36/TB OCNL  
MOD/RM MOD MTN WAVE +/-30KTS....ZDV

PR 131423Z ASE UA /OV ASE300005/TM 1423/FL110/TP SR22/TB MOD  
110-090

PR 131420Z HDN UUA /OV CHE160020/TM 1420/FL140/TP TBM8/TB  
SEV/RM ZDV

PR 131332Z ASE UA /OV ASE270003/TM 1332/FL160/TP LJ60/TB CONT  
LGT, OCNL MOD 170-125

PR 131320Z RIL UA /OV RIL270010/TM 1320/FL125/TP C182/TB  
MOD/RM ZDV

PR 131504Z ARP UAL622 3713N 11113W 1504 F330 TB NONE SK IC

PR 131504Z ARP UAL622 3713N 11113W 1504 F330 TB NONE SK IC

PR 131437Z ARP UAL622 3541N 11530W 1437 F330 TB LIGHT SK IC

PR 131437Z ARP UAL622 3541N 11530W 1437 F330 TB LIGHT SK IC

PR 131429Z LAS UA /OV LAS08001/TM 1429/FL030/TP B737/WV GAINS  
AND LOSSES OF 10 KITS 1 MILE FINAL FOR RWY 26L

PR 131505Z RAL UA /OV PDZ/TM 1505/FL070/TP P28A/RM TOPS 070

PR 131342Z ONT UA /OV ONT080005/TM 1342/FL033/TP B752/SK  
BKN033-TOPUNKN/RM BKN LAYER BASE 033, SCT BASE LAYER 020

PR 131503Z EMT UA /OV EMT090003/TM 1503/FL013/TP C172/SK  
OVC017

PR 131532Z KLAX UA /OV LAX073008/TM 1532/FL025/TP A320/SK  
FEW016 BKN025 BKN030/WX 7SM/RM BASES024

PR 131430Z KLAX UA /OV LAX072003/TM 1430/FL014/TP E75L/SK  
FEW016 BKN025 BKN030/WX 7SM/RM BASES014

PR 131420Z BUR UA /OV BUR/TM 1420/FL029/TP E175/RM BASES 029  
RWY 15 DEPARTURE BUR

PR 131400Z SMO UA /OV DARTS/TM 1400/FLUNK/TP BE20/SK  
OVC041-TOP070

PR 131355Z KLAX UA /OV LAX065008/TM 1355/FL023/TP A320/SK  
FEW009 SCT029 BKN035/WX 7SM/RM BASES023

PR 131447Z TOA UA /OV TOA/TM 1447/FL015/TP SLG2/RM BASES015

PR 131310Z KLAX UA /OV LAX/TM 1310/FL034/TP B747/SK BASES 034  
TOPS 048

KZLA - - LOS ANGELES  
KZLC - - SALT LAKE CITY  
KZOA - - OAKLAND  
WS 131417Z - TURB  
VALID: 2023-04-13 14:17:00+00 UNTIL 2023-04-13 18:00:00+00  
INTENSITY: MDT TYPE: CAT  
LEVEL: FL300 - FL380  
MOVEMENT: E AT 10 KTS  
MDT TURB ASSOCIATED WITH DIRECTIONAL SHEAR AT BASE OF UPPER LVL  
TROUGH.  
AREA: 20ENE FMG - 65ENE CINNY - 90SW NTD - 65N LAS  
ID: 04569 (WSI/JPB)

KZLA - - LOS ANGELES  
KZLC - - SALT LAKE CITY  
KZOA - - OAKLAND  
KZSE - - SEATTLE  
FP 131423Z - TURB  
VALID: 2023-04-13 21:00:00+00 UNTIL 2023-04-14 00:00:00+00  
INTENSITY: OCNL MDT TYPE: CAT  
LEVEL: FL310 - FL380  
VERTICAL WIND SHEAR  
AREA: 50NNW RBL - 55W AVE - 25NE LAX - 50E OAL - 65NE LKV -  
30SE OED  
ID: 04426 (WSI/JPB)

KZDV - - DENVER  
KZLC - - SALT LAKE CITY  
WS 131445Z - TURB  
VALID: 2023-04-13 14:45:00+00 UNTIL 2023-04-13 18:00:00+00  
INTENSITY: MDT TYPE: CAT  
LEVEL: FL110 - FL210  
MOVEMENT: NNE AT 15 KTS  
MDT TURB ASSOCIATED WITH VERTICAL TERRAIN INDUCED SPEED SHEAR.  
AREA: 15SSE BAM - 60ENE BCE - 50W DDY - 20N DLN  
ID: 04627 (WSI/JPB)

KZDV - - DENVER  
KZAB - - ALBUQUERQUE  
KZLC - - SALT LAKE CITY  
FP 131220Z - TURB  
VALID: 2023-04-13 18:00:00+00 UNTIL 2023-04-13 21:00:00+00  
INTENSITY: MDT TYPE: CAT  
LEVEL: FL100 - FL190  
VERTICAL WIND SHEAR  
AREA: 100SW DDY - 30SSW RSK - 50WSW TCC - 20SW AKO - 50ESE DDY  
- 80SW DDY  
ID: 04409 (WSI/JPB)

\$B  
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\*END - WEATHER\*  
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\*NEXT - DIL/LOG\*  
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=====DEFERRED ITEM LIST=====

NOSE	FLIGHT	DATE/TIME
4623	1380-13	13APR23 AT 1539Z

-----CURRENCIES-----

AUTOLAND:NO RESTRICTIONS

-----CREW SENSITIVE ENGINEERING AUTHORIZATIONS-----

4620-01173 AIRBUS USB-C TEMP CABLE ROUTING AND TIM UPGRADE

3153-01012 AIRBUS FWC H2F12

-----INBOUND PILOT DEFECT REPORTS-----

NONE

=====AIRCRAFT MAINTENANCE STATUS=====

-----DISPATCH ITEMS-----

NONE

-----MEL/CDL ITEMS-----

4316376 P DEFERRED 12APR23 NEF 4422U  
DEFECT: PAX ENTERTAINMENT SYSTEM AND WIFI INOP. FLT ATT TRIED  
TO RESET. UNSUCCESSFUL.  
ACTION: 12APR DEF - RESET BROADBAND SYS AS REQUIRED. RESET  
GOOD. REQUEST DEFER FOR BROADBAND SYS INTERMITTENT  
CONNECTIVITY PER NEF 44725 REF# 4422U  
ACTION: 12APR DEF - DEFER PER NEF 4422U. ANY FUNCTION THAT  
OPERATES NORMALLY MAY BE USED.  
PLACARD: \*\*\*\*\* NEF 4422U OPS PLACARD.  
DEFECT:  
BROADBAND SYSTEM HAS INTERMITTENT CONNECTIVITY.  
FLIGHT CREW:  
NOTE: ANY FUNCTION THAT OPERATES NORMALLY MAY BE USED  
A. ADVISE LEAD FLIGHT ATTENDANT.  
\*\*\*\*\* END NEF 4422U OPS PLACARD.

4194497 M DEFERRED 28MAR23 NEF 2522AG  
DEFECT: GALLEY CHILLER INOP AT G4 GALLEY CART 402  
ACTION: 29MAR DEF - REQUEST NEF 2522AG  
ACTION: 29MAR DEF - PLACED ON NEF 2522AG. GALLEY CHILLER C41  
ACTION: 31MAR UPD - REPLACED AFT GALEY G4 CHILLER. OPT TEST  
FAILED, LIGHT AND CHILLER DID NOT COME ON. WITH REF TO  
AMM 25-34-51, AND TSM  
ACTION: 31MAR DAT - 25-34-00. NEF REMAINS OPEN, FURTHER TS  
REQUIRED.

PARTS USED: 31-2533-9-0001,QTY :1 ROTABLE  
PARTS CHANGE WAS INDICATED - TT # 1844814 SN OFF 0569  
CHILLER, GALLEY OFF 31-2533-9-0001 0569 ON  
31-2533-9-0001 0657  
ACTION: 31MAR UPD - REF AWM 25-33-05 PG 4, SUSPECT RELAY  
9017ML4 (RELAY-AIR CHILLER)CAUSING FAULT. RELAY REF  
JAMCO CMM 25-32-48 PG 1098.119, ITEM  
ACTION: 31MAR DAT - 355. CHILLER MIGHT BE BAD OUT OF STOCK.  
ACTION: 31MAR UPD - ADDED PHOTO.  
ACTION: 01APR UPD - REV M PROC, SLAVED IN NEW AFT GALLEY 4  
CHILLER IAW AMM 25-34-51,NO HELP. CHECKED WIRING AT  
CONN 9013VS, FOUND 115VAC ON PINS  
ACTION: 01APR DAT - 1,2, AND 3, DID NOT GET POWER ON PIN 5 WHEN  
ACTUATING AIR CHILL SWITCH. NOTED HIGH RESISTANCE  
GROUND ON PIN 9 @ 130 OHMS.  
ACTION: 01APR DAT - REINSTALLED CHILLER AND ATTEMPTED TO

REPLACE RELAY 9017ML4, NOT ENOUGH TIME DUE TO SOLDERED  
IN PLACE. REACCOMPLISHED M PROC,

ACTION: 01APR DAT - ITEM TO REMAIN ON DEFERRAL.

ACTION: 01APR UPD - SOLDERED RELAY WILL REQUIRE AT LEAST 1  
SKILLED AVIONICS TECH .

ACTION: 08APR UPD - REPLACED RELAY 9017ML4, AIR CHILLER CONTROL  
C/B 9013ML4, AND AIRCHILLER SWITCH 9031ML4. UNIT RUNS  
FOR APROX 5 SECONDS THEN SHUTS

ACTION: 08APR DAT - DOWN WITHOUT ASSOCIATED C/B POPPING.  
RECOMEND REPLACING ELEC CONTROL UNIT 9002ML4.( NOT IN  
STOCK AT PDX) PARTS UPDATED.

ACTION: 08APR DAT - PARTS USED: 18-2533-3-0020,QTY :1

PLACARD: \*\*\*\*\* NEF 2522AG OPS PLACARD.

DEFECT:

GALLEY CHILLER(S) INOPERATIVE AND DEACTIVATED.

FLIGHT CREW:

NOTE: ASSOCIATED FOOD CART(S) MAY CONTAIN DRY ICE.

A. ADVISE LEAD FLIGHT ATTENDANT.

\*\*\*\*\* END NEF 2522AG OPS PLACARD.

-----CARRY FORWARD ITEMS-----

3655352 M CARRY FORWARD 01MAY07 OTHER

DEFECT: 01MAY SFO ARC EXTERNAL FUSELAGE SKIN HAS A DOUBLER  
REPAIR AT LOWER C ENTERLINE FRAME 70.

ACTION: 01MAY DEF - :THIS ARCHIVE IS FOR INFORM ATION ONLY.THIS  
REPAIR WAS ACCOMPLISHED PER SRM 53-00-11 FIG 219 . ITEM  
ARCHIVED. SFOIQ WALSH27JUN LCQ INF- :EVAL'D IAW GMM  
06-35-05 2 .E - VISUALLY INSP'D RPR AT FR 70, CONCUR  
WITH INCOMING METERED TEXT, NO NEW DMG NOTED. ACMP'D BY  
V061677 AND QC LC-10 ON TIMCO NR# 29045.

ACTION: 07MAY CRY - NO NEW DAMAGE AT THIS TIME ON EXTERNAL  
FUSELAGE SKIN DOUBLER REPAIR AT LOWER CENTER FR70 REF  
A320 SRM 53-41-11-20-1-300-055 ADD EMP:V918780

ACTION: 25NOV CRY - PERFORMED HFEC INSP ON FWD. SKIN DOUBLER  
REPAIR FR 70 IAW A320 NTM 57-10-08. NO CRACKS. ADD  
EMP:V912581

ACTION: 17JAN CRY - NO NEW DAMAGE AT THIS TIME ON EXTERNAL  
FUSELAGE SKIN DOUBLER REPAIR AT LOWER CENTER FR70 REF  
A320 SRM 53-41-11-20-1-300-055, PER

ACTION: 17JAN EAT - FORMED HFEC INSP ON FWD SKIN DOUBLER REPAIR  
FR 70 IAW NTM 51-10-08. NO DAMGE FOUND(AD FORM 44-0008)  
ALL WORK PEFORMED AT ST ENF

ACTION: 17JAN EAT - MOBILE EMP V940839

3655096 M CARRY FORWARD 02MAR05 OTHER

DEFECT: 07JUL LGA CF -9 :NUMEROUS DENTS APPROX 2 INCHS IN DIA  
ON INBD AND OUTBD FAN COWLS OF #1 AND #2 ENG'S.POSSIBLE  
HAIL DAMAGE. BY- 113729

ACTION: 02MAR DEF - :DENTS ARE NOT DELAMENATED,MUST BE LOOKED  
AT,AT NEXT A CHECK AND PERMANTLY REPAIRED OR REPLACED  
AT NEXT C CHECK. 07JUL SFO INF- :REF MM54-20-00 PG 201  
FOR LIMITS AND REPAIRS. SFOLMEMC FRANK07JUL SFO INF-  
:MF2374 CREATED TO RECK AT EVERY 'A' CK S FOLM J.LEE  
REF: SRM 54-20-00

ACTION: 02MAR DEF - 02JUN SMB ARC- :INSPECTED AT C2 VISIT. COWL  
SKIN DENTS ARE SMOOTHLY CONTOURED WITH OUT  
DELAMINATION. WITHIN SERVICEABLE LIMITS PER MM  
71-13-00. NO ACTION REQUIRED. SFOIQ MEARS ARCHIVE AUTH:  
FN 16637, SFOIQ ,MEARS M 27JUN LCQ INF- :EVAL'D IAW GMM

06-35-05 2 .E - VISUALLY INSP'D FAN COWLS, #2 NO DMG FOUND...#1 IB & OB DEN TS WITHN LMTS IAW SRM54-20-00 P129 RECHK EA 6000T, 4500C OR 20 MONTHS. ACMP'D BY V061677 & QC LC-10 ON TIMCO NR# 29045. 20JAN LCQ INF-:CW ATTACHED METER CF9006 VERIFIED THAT THERE IS NO NEW DAMAGE ON #1 ENG IB AND OB FAN COW L AND #2 ENG IB AND OB FAN COWL IAW A320 GMM 06-35-05 BY MECH V0 61673 INSP BY LC-125 ON NR 33253

ACTION: 09APR CRY - INSPECTED INBD AND OUTBD FAN COWLS OF THE NO. 1 AND NO. 2 ENG, NO NEW DMG FOUND IAW GMM 06-35-05  
ACTION: 25NOV CRY - INSPECTED NO NEW DAMAGES FOUND WITHIN SRM 54-20-00 LIMITS. ADD EMP:V912581  
ACTION: 07JAN CRY - INSPECTED IND AND OUTBD FAN COWLS OF THE NO 1 AND NO 2 ENG WITHIN SERVICEABLE LIMITS IAW GM 06-35-05 AND AMM 71-13-00-200-001-A  
ACTION: 07JAN EAT - MEASURES 2 INCH APROX

3492781 M CARRY FORWARD 13JUN19 OTHER  
DEFECT: #2 ENGINE EXHAUST TAILCONE CRACKED AT 9:00 POSITION.  
ACTION: 14JUN CRY - FOUND CRACK TO BE 3 INCHES LONG. PER SRM V2500 54-40-00 . CHECK  
DAMAGE EVERY 1800 FLIGHT HOURS,  
2250 FLIGHT CYCLES OR 300 DAYS, WHICH EVER OCCUR FIRST.  
ADD EMP:U332683  
ACTION: 14JUN CRY - FOUND CRACK TO BE 3 INCHES LONG WITHIN LIMITS PER AMM TASK 78-11-12-200-011-C

ACTION: 17NOV CRY - REINSPECTED NO. 2 ENGINE EXHAUST TAIL CONE CRACK AT 9 O'CLOCK POSITION AND FOUND CRACK TO BE 3" LONG. NO CRACK PROGRESSION NOTED AS PER AMM 78-11-12-200-011 ADD EMP:V894449  
ACTION: 07JAN CRY - CHECKED NO 2 ENGINE EXHAUST TAIL CONE FOR CRACK IAW AMM 78-11-12-200-001-01 NO CRACK PROGRESSION NOTED-MEASURE 3 IN LONG

3655337 M CARRY FORWARD 21JAN15 OTHER  
DEFECT: 21JAN LCQ ARC LH AFT FUSE OUTER SKIN DENT FR 64-65 & STR21-22L.  
ACTION: 21JAN DEF - :SKIN THICKNESS IS .063" & DENT MEASURES .024"DEEP & IS WITHIN LIMITS IAW A320 SRM 53-41-11 PARA 4B DIAGRAM 103. HFEC INT&EXT REVEALED NO CRACKS OR DEFECTS SRI 53-41-11-1-007-00 SHOWS NO ONGOING INSP REQUIREMENT IAW TABL E 118. OK TO ARCHIVE.  
ACTION: 09APR CRY - INSPECTED L/H AFT FUSE OUTER SKIN DENT FR 64-65 AND STR 21-22L. NO NEW DAMAGE NOTED IAW GMM 06-35-05  
ACTION: 25NOV CRY - PERFORMED HFEC INSP ON DENT AT FR 64-65 STR 21-22L IAW A320 NTM 51-10-08. NO CRACKS. ADD EMP:V912581  
ACTION: 07JAN CRY - PERFORMED VISUAL INSPECTION SMD INSPECTION NDT (HFEC) AT FUSELAGE OUTER SKIN DENT F 64-65-LH AND ST 6R 21-22L NO NEW DAMAGE  
ACTION: 07JAN EAT - NOTED IAW GMM 06-35-05 AND UTM 51-10-08.

8749455 M CARRY FORWARD 03JUN22 OTHER  
DEFECT: RNAV RNP-AR NOT AUTHORIZED  
ACTION: 03JUN CRY - OK TO ADD PLA -- RNAV RNP-AR NOT AUTHORIZED

8176199 M CARRY FORWARD 31OCT18 OTHER  
DEFECT: AIRCRAFT IS RESTRICTED FROM AUTOLAND OPERATION AT ANC AND FAI

ACTION: 31OCT CRY - AIRCRAFT IS RESTRICTED FROM AUTOLAND  
OPERATION AT ANC AND FAI

3655803 M CARRY FORWARD 30NOV16 OTHER

DEFECT: NO GCM OPS

ACTION: 30NOV CRY - CARRY AS PLA TO SHOW ON /FOR SCMELC FOR  
SCEPTRE ELB MIGRATION

ACTION: 30NOV CRY - CARRY AS PLA TO SHOW ON /FOR SCMELC FOR  
SCEPTRE ELB MIGRATION

3655338 M CARRY FORWARD 23AUG13 OTHER

DEFECT: 23AUG LCQ ARC- :GCS BROADBAND ANTENNA IS INSTALLED ON  
THIS ACFT. THIS MODIFICATION REQUIRES A WEIGHT PENALTY  
TO BE APPLIED PER AMIS PLACARD 9790. DO NOT CLEAR THIS  
ITEM WITHOUT EG APPROVAL.

ACTION: 23AUG DEF - :COA 408361 ACCOMPLISHED. PLCARD 9790  
LIMITATIONS APPLIED.

ACTION: 30NOV UPD - CHANGE CARRY CODE FROM DMG TO PLA FOR  
SCEPTRE ELB MIGRATION

=====END OF DIL=====

=====LOG HISTORY REPORT=====

CURRENT FOR AIRCRAFT 4623 AS OF 13APR23 1539-Z

=====UNABLE TO OPERATE=====

NONE.

=====CIRCUIT BREAKER CYCLES=====

NONE.

=====LOG HISTORY=====

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4286580 N CLOSED 13APR23 DFW NEF 2522AK  
DEFECT: AFT GALLEY COFFEE MAKER M42 NOT WORKING  
ACTION: 08APR DEF - MEL CARD COMPLIED WITH.  
ACTION: 09APR DEF - MEL CARD COMPLIED WITH  
ACTION: 13APR CLR - REPLACED COFFEE MAKER IN AFT GALLEY M42 PER  
AMM 25-35-15 OPS CHK GOOD. PARTS USED:  
31-2534-9-0001,QTY :1 ROTABLE PARTS CHANGE WAS INDICATED  
- TT # 1682511 SN OFF 0282 COFFEEMAKER, IN OFF  
31-2534-9-0001 0282 ON 31-2534-9-0001 2329

\*\*\*\*\*

4281642 P CLOSED 13APR23 DFW MEL 3434D  
DEFECT: CLASS 2 IR

ACTION: 08APR DEF - DEFERRED PER MEL 3434D. OPBLM CHRISTIANSEN  
ACTION: 13APR CLR - FOUND NO FAULTS OR STATUS MESSAGES ON ECAM  
DISPLAYS. ACCOMPLISHED ALIGNMENT PROCEDURE OF IR'S PER  
AMM 34-10-00 3 TIMES. ALIGNED NORMAL. INTERFACE TEST ON  
IRU'S FROM CDU. NO FAULTS.

\*\*\*\*\*

4320440 N CLOSED 12APR23 DFW FRM UAL97901  
DEFECT: SERVICE ENGINES & APU OIL PER AMM. ENTER ZERO(0) IF NONE  
ADDED.  
ACTION: 12APR CLR - LOG CREATED TO RECORD ENGINE OIL SERVICE  
ACTION: 12APR UPD - OIL SERVICE ACCOMPLISHED AT DFW FOR FLT 0772  
ON 12 APR 22:28:05 ENGINE 1: 00 CHECKED BY U094637  
ENGINE 2: 00 CHECKED BY U094637

ENGINE 3:  
ENGINE 4:  
APU:

\*\*\*\*\*

4319357 P CLOSED 12APR23 DEN FRM 1206  
DEFECT: RADIO ALTIMETER NO.1 INOP - NAV  
NAV RA 1 FAULT INTERMTN  
ACTION: 12APR CLR - CYCLED RA #1 AND RA #2 CIRCUIT BREAKERS.  
PERFORMED BITE TEST ON BOTH RADIO ALTIMETER SYSTEMS THRU  
CFDS, OPS CHECKED GOOD. NO FAULTS.  
ADD EMP:N

\*\*\*\*\*

4317063 P CLOSED 12APR23 MSY FRM 0

DEFECT: AUTO FLT FCU 1 FAULTCB RESET UNSUCCESSFUL  
ACTION: 12APR CLR - RESET FCU 1 C/B FOR 7MINS, PERFORMED AFS  
TEST PER AMM 22-91-00 AND GROUND TEST AMM 22-96-00. AFS  
TEST PASS AND FCU 1 FAULT HAS EXTINGUISHED. OK TO  
CONTINUE.

\*\*\*\*\*  
4317204 P CLOSED 12APR23 MSY FRM 73201  
DEFECT: MAINTENANCE STATUS MESSAGE ENG 1 EIU DISPLAYED ON THE  
LOWER ECAM SCREEN .  
ON SHUTDOWN  
ACTION: 12APR CLR - PERFORMED EIU 1 GROUND SCAN, NO FAULTS AND  
NOTHING ON LAST LEG. CURRENTLY NO EIU 1 STATUS MESSAGE.  
OK TO CONTINUE.

OK TO CONTINUE.

\*\*\*\*\*  
4312287 N CLOSED 11APR23 RDU FRM UAL97901  
DEFECT: SERVICE ENGINES & APU OIL PER AMM. ENTER ZERO(0) IF NONE  
ADDED.  
ACTION: 11APR CLR - LOG CREATED TO RECORD ENGINE OIL SERVICE  
ACTION: 11APR UPD - OIL SERVICE ACCOMPLISHED AT RDU FOR FLT 0487  
ON 11 APR 23:39:18 ENGINE 1: 00 CHECKED BY U214234  
ENGINE 2: 00 CHECKED BY U214234  
ENGINE 3:  
ENGINE 4:  
APU: 00 CHECKED BY U214234

\*\*\*\*\*  
4307280 P CLOSED 11APR23 EWR FRM UAL00851  
DEFECT: WINDSHIELDS REQUIRE CLEANING  
ACTION: 11APR CLR - CLEANED WINSHEILDS.

\*\*\*\*\*  
4293440 P CLOSED 09APR23 CID FRM 0  
DEFECT: F/CTL SPLR FAULT ON SHUTDOWN  
ACTION: 09APR MAA - UPDATED MAA CODE FIX USING VENDOR MAA SCREEN  
PLEASE CONTACT TOMC BEFORE COMMENCING ANY WORK. CYCLE  
SPOILERS AND CHECK DOR FAULTS. CALL TOMC 847-700-9980  
ACTION: 09APR MAC - MAC METER INITIATED FOR WITH VENDOR ID  
V760532 MAC RELATED WORK ORDER 000000003072166 AND PRTR  
TORRES, JOSE (V760532) ACCOMPLISHED SEC 1, 2, 3 RESET.  
ACCOMPLISHED OPERATIONAL TEST OF THE SPOILER HYDRAULIC

ACTUATION PER AMM TASK 27-64-00-710-001-A. TEST OK NO  
FAULTS NOTED.

ACTION: 09APR CLR - TORRES, JOSE (V760532) ACCOMPLISHED SEC 1, 2,  
3 RESET. ACCOMPLISHED OPERATIONAL TEST OF THE SPOILER  
HYDRAULIC ACTUATION PER AMM TASK 27-64-00-710-001-A.  
TEST OK NO FAULTS NOTED.

ADD EMP:V760532

\*\*\*\*\*  
4287115 N CLOSED 09APR23 PDX FRM UAL97901  
DEFECT: SERVICE ENGINES & APU OIL PER AMM. ENTER ZERO(0) IF NONE  
ADDED.  
ACTION: 09APR CLR - LOG CREATED TO RECORD ENGINE OIL SERVICE  
ACTION: 09APR UPD - OIL SERVICE ACCOMPLISHED AT PDX FOR FLT 1698  
ON 08 APR 01:23:21 ENGINE 1:

ENGINE 2:  
ENGINE 3:  
ENGINE 4:  
APU: 00 CHECKED BY U349256

\*\*\*\*\*  
4285903 N CLOSED 09APR23 PDX FRM  
DEFECT: INSPECT (DETAILED VISUAL) WHEELS AND TIRES FOR:  
{A3NB-32-3-0001} - #2 MLG TIRE WORN TO LIMITS

ACTION: 09APR CLR - REMOVED AND REPLACED #2 MLG WHEEL AND TIRE  
ASSY. REF AMM 32-41-11.

PARTS USED: 1790894, QTY :1

ROTABLE PARTS CHANGE WAS INDICATED - TT # 1790894 SN OFF  
6805 WHEEL, TIRE, AS OFF 31-3245-9-9001 6805 ON  
31-3245-9-9001 0923

31-3245-9-9001 0923

\*\*\*\*\*

4285912 N CLOSED 09APR23 PDX FRM

DEFECT: INSPECT (DETAILED VISUAL) TIRE PRESSURE:  
{A3NB-32-3-6067} - #1 AND #3 MLG TIRES PRESSURE LOWER  
THAN NORMAL OPS.

ACTION: 09APR CLR - VERIFIED BOTH TIRES IN RE-INFLATION RANGE.  
SERVICED #1 AND #3 MLG TIRES PRESSURE TO NORMAL OPS  
RANGE. REF AMM 12-14-32.

\*\*\*\*\*

4284992 S CLOSED 09APR23 PDX FRM UAL92180

DEFECT: ONE OR MORE ITEMS HAVE BEEN IDENTIFIED WHICH HAVE OR  
WILL EXPIRE PRIOR TO ARRIVING ITS NEXT DESTINATION.

PERFORM AN MRD CHECK FO R DETAILS, AND CONTACT PLANNING  
AT 866-825-9460 IN ORDER TO VER IFY AND CLEAR THIS LOG  
PAGE.

ACTION: 09APR CLR - MRD CHECKED

\*\*\*\*\*

4285059 N CLOSED 08APR23 PDX FRM UAL97901

DEFECT: SERVICE ENGINES & APU OIL PER AMM. ENTER ZERO(0) IF NONE  
ADDED.

ACTION: 08APR CLR - LOG CREATED TO RECORD ENGINE OIL SERVICE

ACTION: 08APR UPD - OIL SERVICE ACCOMPLISHED AT PDX FOR FLT 1698  
ON 08 APR 18:31:41 ENGINE 1: 00 CHECKED BY U199931  
ENGINE 2: 00 CHECKED BY U199931  
ENGINE 3:

ENGINE 4:

APU: 00 CHECKED BY U199931

\*\*\*\*\*

4282635 P CLOSED 08APR23 ORD FRM UAL00851

DEFECT: WINDSHIELDS REQUIRE CLEANING

ACTION: 08APR CLR - CLEAN COCKPIT WINSHIELD AS REQUESTED

\*\*\*\*\*

4280274 P CLOSED 08APR23 ORD FRM 0

DEFECT: SMOKE DET FAULTCAUTION MSG DISPLAYED

ACTION: 08APR CLR - RESET SDCU 1&2, REVIEWED LAST FLIGHT AND  
PREVIOUS FLIGHT LOGS, NO FAULT REPORTED. MSG CLEARED AT  
THIS TIME.

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4272586 P CLOSED 07APR23 ORD FRM 0

DEFECT: AED SEAL BROKEN

ACTION: 07APR CLR - RELACED AED SEAL REF AMM 25-64-99

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4257093 N CLOSED 07APR23 ORD CDL 28A

DEFECT: FUELER REPORTS LAYNARD FOR FUEL CAP IS MISSING

ACTION: 05APR DEF - REQUEST CDL

ACTION: 05APR DEF - INSTALLED STICKER IN FLIGHT DECK NEXT TO  
REGISTRATION NUMBER.

ACTION: 07APR CLR - REPLACED LANYARD RING, THIS CLEARS CDL 28A.  
REF AMM 28-25-41

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4256730 P CLOSED 05APR23 PHL FRM 0

DEFECT: SEAT 1A BOTTOM OF SEATCOVER FELL OFF.

ACTION: 05APR CLR - SECURED SEAT TRIM COVER

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4255527 P CLOSED 05APR23 IAH FRM 0

DEFECT: FUELER REPORTS NO POWER AT REFUELING PANEL ONAPU POWER.

ACTION: 05APR CLR - CYCLED FUEL BAY DOOR , REFUELING PANEL IS  
WORKING NORMAL

END LOG ITEMS

=====CABIN DISCREPANCY HISTORY=====

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4307050 N CLOSED 11APR23 EWR FRM 60492255

DEFECT: DEMO LIFE VEST - MISSING OR DAMAGED AT  
DR-2L LT JUMPSEAT

ACTION: 11APR CLR - INSTALLED NEW DEMO VEST

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4297705 N CLOSED 10APR23 IAD FRM 60622251

DEFECT: JUMPSEAT HARNESS WILL NOT RETRACT AT  
DR-1L LT JUMPSEAT

ACTION: 10APR CLR - JUMP SEAT HARNESS IS NOT THE RETRACTABLE  
TYPE INSTEAD IT WAS STUCK, MX ADJUSTED THE SEAT AS  
REQUIRED TO ILLIMINATE THE OBSTRUCTION

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4275860 N CLOSED 09APR23 PDX NEF 2522HE

DEFECT: LAV DOOR DAMAGED AT  
AFT CBN LT AFT LAV F

ACTION: 07APR DEF - DEFERED PEF MEL 2522HE. M PROCEDURES CW.

ACTION: 07APR UPD - UPDATED WITH PIC

ACTION: 07APR DEF - DEFERED PER MEL

ACTION: 09APR CLR - REMOVED AND REPLACED RIGHTHAND SIDE AIR VENT  
GRID ON LAV DOOR AT LAV F WITH NEW FROM STOCK. USED  
ORIGINAL FASTNERS FOR SECURE. NO FURTHER DEFECTS NOTED.  
YELLOW TAG REMOVED.

PARTS USED: 99-2502-3-0009,QTY :1

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4275852 N CLOSED 07APR23 ORD FRM 60360031

DEFECT: CABIN TRIM OR FINISH TORN AT  
G4 AFT GALLEY OVEN 407

ACTION: 07APR DEF - DEFERED PER NEF 2522LS M PROCEDURE CW.

ACTION: 07APR UPD - UPDATED WITH PIC

ACTION: 07APR CLR - RESCURED PLACARD AS REQUIRED.

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4275830 N CLOSED 07APR23 ORD FRM 60350051

DEFECT: STORAGE COMPARTMENT DAMAGED AT  
G4 GALLEY DOOR STOWAGE 410

ACTION: 07APR CLR - FOUND LOCK LOOSE TIGHTENED SCREW AS REQUIRED

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4258014 N CLOSED 05APR23 ORD FRM UAL25640653

DEFECT: REPLACE DEMO SAFETY CARD  
BETWEEN DOOR 1R AND 1L  
BETWEEN DOOR 1R AND 1L

ACTION: 05APR CLR - NOTIFIED SCRUBS

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4189773 N CLOSED 30MAR23 DEN MEL 3810X  
DEFECT: LAVATORY SPIGOT WON'T TURN ON AT  
AFT CBN LT FWD LAV D  
ACTION: 28MAR DEF - SINK NOT USABLE TOILET IS USABLE. REF MEL  
3810X.  
ACTION: 28MAR DEF - REF MEL 3810X  
ACTION: 30MAR CLR - LAV SINK TURNED ON WONCE REACTIVATED. WITH  
REF TO AMM 38-42-32. THIS CLEARS MEL 3810X.

END CABIN ITEMS

=====LONG TERM CARRY FORWARD ITEMS=====

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4033308 P CARRY FORWARD DFW DIP 32-DIP  
DEFECT: BROKEN GROUNDING STRAPON LEFT MAIN GEAR DOOR  
ACTION: 09MAR CRY - FOUND BONDING STRAP BROKE ON FIXED FARING ON  
LH MLG DOOR. REPLACE THE BONDING LEAD AT NEXT  
MAINTENANCE VISIT BEFORE SIX  
ACTION: 09MAR EAT - MONTHS, 1000 FLIGHT HOURS OR 1000 FLIGHTS  
CYCLES WHICH EVER OCCURS FIRST  
ACTION: 09MAR PND - OK TO DIP PER AMM 24-92-00-210-024-A.  
REPLACE THE BROKEN BONDING LEAD IN LESS THAN 24 MONTHS  
OR 7500 FLIGHT HOURS OR 5000 FLIGHT CYCLES (THE ONE THAT

OCCURS FIRST).  
ACTION: 09MAR UPD - QC  
ACTION: 09MAR UPD - RECORDS UPDATE  
ACTION: 09MAR UPD - QC REVIEWED  
ACTION: 09MAR UPD - T/A: 730DAYS, 5000FC, 7500FH  
MHU359555

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4351902 N CARRY FORWARD TPA DIP 78-DIP  
DEFECT: #1 ENGINE EXHAUST TAILCONE HAS 2 SEPERATE CRACKS FWD  
CRACK MEASURES 1.75",AFT CRACK 1.5" AT APPROX 4 OCLOCK  
POSITION.  
ACTION: 21JAN CRY - PLACED ON DIP TO CHECK DAMAGE EVERY  
1800FH,2250FC,300 DAYS WHICH EVER OCCURS FIRST.REF SRM

V2500 54-40-00,AMM78-11-12-011  
ACTION: 21JAN PND - OK TO PLACE ENGL EXHAUST TAIL CONE EA CRACKS  
ONE MEASURES 1.75" OTHER 1.5 " AT APPROX 4:00 POS ON DIP  
TO BE INSP EA 1800 HRS, 2250 CYC OR 300 DAYS WHICHEVER  
COMES FIRST. TO BE REPAIRED ON CONDITION PER V2500 SRM  
54-40-00 PG 144  
ACTION: 21JAN UPD - QC REVIEWED  
ACTION: 24JAN UPD - RECORDS UPDATE  
ACTION: 17NOV CRY - REINSPECTED NO. 1 ENGINE EXHAUST TAIL CONE  
AND FOUND 2 SEPARATE CRACKS, FWD CRACK MEASURES 1.75",  
AFT CRACK 1.5" AT APPROX 4 O' CLOCK POSITION. NO CRACK  
PROGRESS NOTED AS PER REF ADD EMP:V894449  
ACTION: 17NOV EAT - SRM V2500 54-40-00, AMM 78-11-12-011 C1

ACTION: 20AUG RIR - REINSPECTED NO. 1 ENGINE EXHAUST TAIL CONE  
AND FOUND . NO CRACK PROGRESS NOTED AS PER REF  
ACTION: 25FEB RIR - REINSPECTED NO. 1 ENGINE EXHAUST TAIL CONE  
AND FOUND 2 SEPARATE CRACKS, FWD CRACK MEASURES 1.75",  
AFT CRACK 1.5" AT APPROX 4 O' ADD EMP:U355089  
ACTION: 25FEB EAT - CLOCK POSITION. NO CRACK PROGRESS NOTED AS  
PER REF SRM 54-40-00 PG 144

ACTION: 07SEP RIR - REINSPECTED NO. 1 ENGINE EXHAUST TAIL CONE  
AND FOUND 2 SEPARATE CRACKS, FWD CRACK MEASURES 1.75",  
AFT CRACK 1.5" AT APPROX 4 O'  
ACTION: 07SEP EAT - CLOCK POSITION. NO CRACK PROGRESS NOTED AS  
PER REF SRM 54-40-00 PG 144  
ACTION: 06FEB RIR - RE-INSPECTED #1 ENGINE EXHAUST TAIL CONE AND  
FOUND ONE CRACK OF 5.3" AT 4 O'CLOCK POSITION. EVALUATED  
CRACK AND FOUND WITHIN ADD EMP:V933868  
ACTION: 06FEB EAT - LIMITS IAW GOODRICH SRM 54-40-00 TABLE 101,  
PAGE 145 AND REPAIRED IAW GOODRICH SRM 54-02-00 PAGE  
203, STEP 2 POINT B.  
ACTION: 06FEB EAT - INSPECTION INTERVALS REMAINS THE SAME.  
ACTION: 21JAN UPD - QC REVIEWED  
ACTION: 24JAN UPD - RIR: EVERY 1800FH, 2250FC, OR 300 DAYS  
(WHICHEVER COMES FIRST).. .JQ

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3733970 N CARRY FORWARD BFM DIP 53-DIP  
DEFECT: L/H FUSELAGE SKIN HAS 2 DENTS BETWEEN FR21-FR22 AND  
STR22L-STR23L

ACTION: 31JAN CRY - FUSELAGE DENTS EVALUATED IAW SRM  
53-00-11-283-005 FOUND WITHIN L IMITS, DENT #1, A=1.743,  
X=0.873, Y=0.818, & D=0.065. DENT #2,  
ACTION: 31JAN EAT - A=2.974", X=0.915", Y=0.927", & D=0.055". &  
REQUIRES REPETITIVE INSPECTIONSAS FOLLOWS; THRESHOLD  
FROM TIME OF EMBODIMENT  
ACTION: 31JAN EAT - 60000FC/120000FH, SUBSEQUENT INSPECTIONS AND  
INSPECTION METHOD T BD IAW SRI 53-00-11-205-050.  
ACTION: 01FEB UPD - ORIGINAL SKIN THICKNESS 1.4MM  
ACTION: 02FEB PND - APPROVED TO CARRY REF SRM  
53-00-11-283-005/SRI 53-00-11-205-050 DENTS TO BE  
RE-INSPECTED FROM TIME OF ADL EMBODIMENT 60,000 FLIGHT  
CYCLES/120,000 FLIGHT HOURS WHICHEVER OCCURS FIRST,

SUBSEQUENT INSPECTIONS TBD

ACTION: 03FEB UPD - RECORDS UPDATE  
ACTION: 04FEB UPD - QC  
ACTION: 04FEB UPD - QC REVIEW  
ACTION: 03FEB UPD - T/A : 60,000 FC OR 120,000 FH  
(SUBSEQUENT INSPECTIONS : TBD).....AS/U393878

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3734203 N CARRY FORWARD BFM DIP 53-DIP  
DEFECT: L/H FUSELAGE SKIN AFT SIDE OF FR23 BETWEEN STR 24L-25L  
THERE ARE 2 DENTS.  
ACTION: 31JAN CRY - FUSELAGE DENTS NOT WITHIN STATIC PORT AREA,  
EVALAUTED DENTS MEAS URE - DENT #1  
X=2.780",Y=2.265",A=1.36 & D=0.050". DENT #2  
X=2.780",Y=2.265",A=1.36 & D=0.050". DENT #2  
ACTION: 31JAN EAT - X=0.729",Y=0.629",A=0.33 & D=0.025", BOTH  
WITH LIMITS IAW SRM 53-11-11-283-012 WHICH LEADS YOU TO  
SRM 53-00-11-283-005  
ACTION: 31JAN EAT - REQUIRED REPETITIVE INSPECTION DIP AS  
FOLLOWS; THRESHOLD FROM TI ME OF EMBODIMENT  
60000FC/120000FH, SUBSEQUENT INSPECTIONS AND  
ACTION: 31JAN EAT - INSPECTION METHOD TBD IAW SRI  
53-00-11-205-050.  
ACTION: 01FEB UPD - ORIGINAL SKIN THICKNESS 2MM.  
ACTION: 02FEB PND - APPROVED TO CARRY REF SRM  
53-00-11-283-005/SRI 53-00-11-205-050 DENTS TO BE

RE-INSPECTED FROM TIME OF ADL EMBODIMENT 60000 FLIGHT

CYCLES/120000 FLIGHT HOURS WHICHEVER OCCURS FIRST,  
SUBSEQUENT INSPECTIONS TBD

ACTION: 03FEB UPD - RECORDS UPDATE

ACTION: 03FEB UPD - QC

ACTION: 03FEB UPD - QC REVIEW

ACTION: 03FEB UPD - T/A : 60,000 FC OR 120,000 FH

SUBSEQUENT INSP : TBD.....AS/U3

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3700478 N CARRY FORWARD

BFM DIP 53-DIP

DEFECT: RH FWD FUSE HAS DENT BETWEEN FR5 & 6, BETWEEN STR21R &  
STR 22R. PER STAERO N/R 48559 BY V933687 REF  
A3NB-05-3-6040.

ACTION: 29JAN CRY - MEASURED DENT, FOUND TO BE CAT B IAW

SRM53-00-11-283-005, FOUND TO BE, A=1.025", X=1.782",  
Y=1.245", D=0.06". D/A= .0585" <0.1"

ACTION: 29JAN EAT - . SKIN THKNS= 0.047". OUT OF RIVETED AREA,  
AND AWAY FROM STATIC/ PITOT PORTS/PROBES. HFEC ACCOMP'D  
NO CRACKS OR DEFECTS NOTED IAW

ACTION: 29JAN EAT - NDT 51-00-10. PER FIG2 SHT 3 OF SRM DENT  
REQUIRES REINSP IAW S RI53-00-11-205-050 AT 60,000FC OR  
120,000FH WHICHEVER COMES FIRS

ACTION: 29JAN EAT - T FROM REPAIR EMBODIMENT.

ACTION: 02FEB PND - APPROVED TO CARRY REF SRM

53-00-11-283-005/SRI 53-00-11-205-050 DENTS TO BE  
RE-INSPECTED FROM TIME OF ADL EMBODIMENT 60000 FLIGHT  
CYCLES/120000 FLIGHT HOURS WHICHEVER OCCURS FIRST,

SUBSEQUENT INSPECTIONS TBD

ACTION: 03FEB UPD - QC

ACTION: 03FEB UPD - RECORDS UPDATE

ACTION: 03FEB UPD - QC REVIEW

ACTION: 03FEB UPD - T/A : 60,000 FC OR 120,000 FH

(SUBSEQUENT INSPECTIONS : TBD).....AS/U393878

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3732331 N CARRY FORWARD

BFM DIP 53-DIP

DEFECT: R/H FUSELAGE HAS DENT APPROX. BETWEEN FR25 & FR26 AND  
BETWEEN STR 42R AND 43R.

ACTION: 31JAN CRY - DURING C-CK IN MOBILE VT AEROSPACE FOUND  
DENT ON FUSELAGE BETWEEN FR25-FR26, STR 42-STR 43RH NOT  
WITHIN STATIC PORT AREA, EVAL

WITHIN STATIC PORT AREA, EVAL

ACTION: 31JAN EAT - UATED AREA IAW SRM 53-21-11-283-020 WHICH  
DRIVES YOU TO SRM 53-0 0-11-283-005 AND FOUND TO BE  
WITHIN LIMITS. DENT MEASURES X=1.05

ACTION: 31JAN EAT - 0", Y=1.400, A= 1.350, D=0.014". REQUIRES  
DIP REPEATITIVE INSPE CTIONS AS FOLLOWS; THRESHOLD FRFROM  
TIME OF EMBODIMENT 60000FC/

ACTION: 31JAN EAT - 120000FH, SUBSEQUENT INSPECTIONS AND  
INSPECTION METHOD TBD IAW S RI 53-00-11-205-050.

ACTION: 01FEB UPD - SKIN ORIGINAL THICKNESS IS 1.2 MM

ACTION: 02FEB PND - APPROVED TO CARRY REF SRM

53-00-11-283-005/SRI 53-00-11-205-050 DENTS TO BE  
RE-INSPECTED FROM TIME OF ADL EMBODIMENT 60000 FLIGHT

CYCLES/120000 FLIGHT HOURS WHICHEVER OCCURS FIRST,  
SUBSEQUENT INSPECTIONS TBD

ACTION: 03FEB UPD - QC

ACTION: 03FEB UPD - RECORDS UPDATE

ACTION: 03FEB UPD - QC REVIEW

ACTION: 03FEB UPD - T/A : 60,000 FC OR 120,000 FH

(SUBSEQUENT INSPECTIONS : TBD).....AS/U393878

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3732867 N CARRY FORWARD

BFM DIP 53-DIP

DEFECT: RH FUSELAGE HAS DENT ON AFT SIDE OF FR61 BETWEEN STR22R  
AND 23R.

ACTION: 31JAN CRY - FUSELAGE DENT BETWEEN FR61 & FR62 BETWEEN  
STR22R & STR23R EVALUA TED IAW SRM 53-00-11-283-005 AND

FOUND TO BE WITHIN LIMITS AND

ACTION: 31JAN EAT - REQUIRES REPETITIVE INSPECTIONS AS FOLLOWS:  
THRESHOLD FROM THE T IME OF EMBODIMENT 60000FC/120000FH,  
SUBSEQUENT INSPECTIONS

ACTION: 31JAN EAT - AND INSPECTION METHOD TBD IAW SRI  
53-00-11-205-050.

ACTION: 01FEB UPD - ORIGINAL SKIN THICKNESS IS 1.4 MM.

ACTION: 02FEB PND - APPROVED TO CARRY REF SRM  
53-00-11-283-005/SRI 53-00-11-205-050 DENTS TO BE  
RE-INSPECTED FROM TIME OF ADL EMBODIMENT 60000 FLIGHT  
CYCLES/120000 FLIGHT HOURS WHICHEVER OCCURS FIRST,  
SUBSEQUENT INSPECTIONS TBD

ACTION: 03FEB UPD - QC

ACTION: 03FEB UPD - RECORDS UPDATE

ACTION: 03FEB UPD - QC REVIEW

ACTION: 03FEB UPD - T/A : 60,000 FC OR 120,000 FH

(SUBSEQUENT INSPECTIONS : TBD).....AS/U393878

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3655343 N CARRY FORWARD

LCQ DIP 57-DIP

DEFECT: 22MAR LCQ CF -9 :R-H WING FUEL TANK OPENINGS FOR PNL  
640HB, 640JB, AND 640KB HAD CORR ON LANDINGS, CORR  
REMOVED REF SRM 57- 21-11, FLAP PEEN REF SRM51-29-11.  
THESE REPAIRS REQUIRE FOLLOWUP INSPECTIONS, REF SRI  
57-21-11-1-001-00. BY- 093796

ACTION: 22MAR DEF - :REQUIRES REINSP 9400C OR 16000T, WHECHEVER  
OCCURS FIRST. THESE ARE THE SUBEQUENT INTERVAL S DUE TO

A-C PTT IS OVER THE INITIAL LIMIT. N-R V9216I-21854. \*\*  
MF4916 ADDED TO MONITOR \*\*

ACTION: 10JAN UPD - RECORDS UPDATE...AS/V735374

ACTION: 09MAY CRY - PERFORMED GVI ON RH WING FUEL TANK OPENINGS  
FOR PNL 640HB, 640JB AND 640KB, NO NEW CORROSION FOUND  
AT THIS TIME PER A320 SRI 57- 21-11-1-001-00  
ADD EMP:V918595

ACTION: 24JAN CRY - PERFORMED GVI ON RH WING FUEL TANK OPENINGS  
640HB, 640JB, AND 64 0KB. NO NEW CORROSION FOUND @ THIS  
TIME PER A320 SRI-57-21-11-1-

ACTION: 24JAN EAT - 001-00

ACTION: 10JAN UPD - INIT: M&E DELETED PER MIGRATION(-7164)

RIR: EVERY 9400 FC OR 16000 FH....AS/V735374

ASSOCIATED CF9052 TO MF4916.

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3107662 N CARRY FORWARD

MEX DIP 32-DIP

DEFECT: THIS ITEM IS BEING CREATED DUE TO STEP 27OF ECRA 5330  
07014. "PLANNING TO CONTACT ENGINEERING AFTER 10 MONTHS  
BUT BEFORE 11 MONTHS FROM 11/14/2022 TO REMIND  
ENGINEERING TO FOLLOW UP WITH ECRA 5330-07014 PART 2  
INSPECTION REQUIREMENTS." THIS SECOND DIP CAN BE CLEARED

ONCE ENGINEERING HAS BEEN NOTIFIED.

ACTION: 17NOV CRY - DUE TO ECRA 5330-07014

ACTION: 17NOV PND - REF LP 300783 APPROVED TO CARRY REF ECRA  
5330-07014 PLANNING TO CONTACT ENGINEERING AFTER 10  
MONTHS BUT BEFORE 11 MONTHS FROM 11/14/2022 TO REMIND

ENGINEERING TO FOLLOW UP WITH ECRA 5330-07014 PART 2  
INSPECTION REQUIREMENTS. THIS SECOND DIP CAN BE CLEAR  
ONCE ENGINEERING HAS BEEN CONTACTED.

ACTION: 17NOV UPD - QC

ACTION: 17NOV UPD - RECORDS UPDATE

ACTION: 18NOV UPD - RECORDS UPDATE

ACTION: 17NOV UPD - QC REVIEW

ACTION: 18NOV UPD - T/A : PLN/ENG ( >300<330 DAYS)....PK/U394517

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3107689 N CARRY FORWARD MEX DIP 32-DIP

DEFECT: THIS LOG PAGE IS BEING CREATED DUE TO STEP 26 OF ECRA  
5330-07014. "ACCOMPLISH INITIAL AND REPETITIVE  
INSPECTIONS PER PART 2 ON OR BEFORE 12 MONTHS FROM

11/14/2022."

ACTION: 17NOV CRY - DIP IS CREATED DUE TO ECRA 5330-07014

ACTION: 17NOV PND - REF LP 3007831 RH MLG HINGE FITTING DOOR  
REPAIR, DIP APPROVED REF ECRA 5330-07014 ACCOMPLISH  
INITIAL AND REPETITIVE INSPECTION PER PART 2 ON OR  
BEFORE 12 MONTHS FROM 11/14/2022

ACTION: 17NOV UPD - QC

ACTION: 17NOV UPD - RECORDS UPDATE

ACTION: 17NOV UPD - RECORDS UPDATE

ACTION: 17NOV UPD - QC REVIEW

ACTION: 17NOV UPD - RIR : 365 DAYS....PK/U394517

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3034527 N CARRY FORWARD DEN DIP 53-DIP

DEFECT: LH MLG DOOR ACTUATOR FITTING AGT LUG BUSHING

ACTION: 08NOV CRY - ACCOMPLISH INITIAL INSPECTIONS OF LH MLG  
DOOR ACTUATOR FITTING AFT LUG FLANGED BUSHING PER PART 2  
OF THE LATEST REVISION OF ADD EMP:U041846

ACTION: 08NOV EAT - ECRA 5336-01063 ON OR BEFORE THE AIRCRAFT  
REACHES 38,062 TOTAL AIRCRAFT FLIGHT CYCLES (WITHIN  
3,350 FC AFTER REPAIR

ACTION: 08NOV EAT - EMBODIMENT). PERFORM REPEAT INSPECTIONS AT  
INTERVAL OF 3,350 FLIGHT CYCLES THEREAFTER.

ACTION: 08NOV PND - MX CONFIRMED LH MLG DOOR ACTUATOR LUG  
BUSHING WAS LOOSE, APPROVE D TO CARRY REF ECRA  
5336-01063 ACCOMPLISH INITIAL INSPECTION OF INTERIM  
REPAIR OF LH MLG DOOR ACTUATOR FITTING AFT LUG FLANGED

BUSHING PER PART 2 OF THE LATEST REVISION OF ECRA R  
BEFORE THE AIRCRAFT REACHES 38,062 TOTAL AIRCRAFT  
FLIGHTS (WITHIN 3,350 FC AFTER REPAIR EMBODIMENT)

ACTION: 08NOV UPD - CONT.... PERFORM REPEAT INSPECTIONS AT  
INTERVAL OF 3,350 FLIGHT CYCLES THEREAFTER.

ACTION: 08NOV UPD - QC

ACTION: 09NOV UPD - RECORDS UPDATE ....VC

ACTION: 09NOV UPD - RECORDS UPDATE ....VC

ACTION: 09NOV UPD - RECORDS UPDATE....VC

ACTION: 08NOV UPD - QC REVIEWED

ACTION: 09NOV UPD - INIT: 38062 TAFC

INIT WILL ITO TO RIR

RIR: 3350 FC .....VC/U392424

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7961783 N CARRY FORWARD IAH DIP 51-DIP  
DEFECT: REFERENCE L/P 7957022 RIGHT MLG GEAR AIRFRAME SEAL  
FORWARDED FOR RIGHT MAIN GEAR DOOR ON AIRFRAME SIDE TORN.  
ITEM NEEDS PLACED ON CARRY  
ACTION: 08FEB CRY - ITEM WITHIN LIMITS FOR BLADE SEAL ALLOWABLE  
LIMITS PLACED ON CARRY TO REPLACE AT NEXT HMV  
ACTION: 08FEB PND - OK TO CARRY SEAL REPLACEMENT TO NEXT HMV  
CURRENT TIME REMAINING 1095 DAYS  
ACTION: 08FEB UPD - QC REVIEWED  
ACTION: 08FEB UPD - RECORDS UPDATE...UK  
ACTION: 08FEB UPD - QC REVIEWED  
ACTION: 08FEB UPD - TA: 1095 DAYS...UK

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3655341 N CARRY FORWARD LCQ DIP 57-DIP  
DEFECT: 29JUN LCQ CF -9 :RT WING FUEL PANEL 640QB, SCREWHOLE  
FOUND MIS-DRILLED. BY- 086636 MAINT TEXT:REPAIRED 1 EA  
MISDRILLED HOLE RT WING PANEL 640QB L ANDING IAW ECRA  
5720-02416. RPR SUPPLEMENTAL INSPECTION 18772C OR 22084T  
WHICHEVER OCCURS FIRST FROM RPR EMBODIMENT WITH SUBSE  
QUENT INSP'S 3300C OR 6600T WHICHEVER OCCURS FIRST.  
INPECTIONS TO BE ACMP'D IAW ECRA 5720-02416 PART 2 - GVI  
OF TANK LANDINGS  
ACTION: 29JUN DEF - :ACCOMPLISHED BY V061619 A ND QC LC-10 ON  
TIMCO NR# 29141. 15JUL OPB INF- :MF2978 CREATED TO  
MONITOR . TOMC KRUK  
  
MONITOR . TOMC KRUK  
ACTION: 06JAN UPD - RECORDS UPDATE AT CUTOVER....TW  
ACTION: 14APR CRY - PERFORMED INSP ON640QB FUEL TANK ACCESS  
PANEL. NO NEW DAMAGED O R DEFECTS NOTED IAW EC/RA  
5720-02416. REINSPECT AT 3300FC/6600FH WICHEVER OCCURS  
FIRST. CURRENT 29,980FC/72260FH.  
ACTION: 16APR UPD - RECORDS UPDATE  
ACTION: 11DEC UPD - INSP C/W  
ACTION: 11DEC REO - REOPEN MIA U110278 11DEC20 FOR: CLOSED IN  
ERROR PLEASE CONTACT TOMC FOR CLARIFICATION.  
ACTION: 11DEC UPD - REF ECRA 5720-02416 REV A, THE RIR AT 3300FC  
OR 6600FH HAS BEEN REPLACED BY INSPECTION AT 62,528FC OR  
131,116FH.  
  
131,116FH.  
ACTION: 08JAN UPD - DIP LIMIT Y  
\*\*\*QC UPDATE\*\*\*  
ACTION: 08JAN UPD - DIP LIMIT Y  
THE REPAIR ACCOMPLISHED IN PART 1 HAS BEEN APPROVED AS  
PERMANENT PROVIDED THE STATED INSPECTION REQUIREMENTS  
ARE COMPLIED WITH  
ACTION: 18JAN UPD - DIP LIMIT Y  
QC UPDATE  
ACTION: 18JAN UPD - RECORDS UPDATE \*\*\*\*\*PER MRD DIP REV DTD  
17JAN21\*\*\*\*\*  
ACTION: 08JAN UPD - THE REPAIR TO THE FUEL TANL ACCESS PANEL HAS  
BEEN APPROVED AS CATB VIA RDAS 70579206/003/2013 ISS.B  
  
PERFORM INITIAL INSPECTION BEFORE 62,528 FC OR 131,116  
FH WHICHEVER OCCURS FIRST PER PART 2 OF ECRA  
5720-02416.CONTACT ENGINEERING AFTER A/C REACHES 57,000  
FC OR 120,000 FH BUT PRIOR TO 60,000 FC OR 129,000 FH

ACTION: 08JAN UPD - UPDATE

ACTION: 18JAN UPD - <<< QC UPDATE >>> REF. ECRA 5720-02416 REV.  
A REVISES DIP TO"THE REPAIR TO THE FUEL ACCESS PANEL  
640QB HAS BEEN APPROVED AS CAT B VIS RDAS  
70579206/003/2013 ISSUE B. PERFORM INITIAL INSP BEFOR E  
62,528 FC OR 131,116FH WHICHEVER OCCURS FIRST PER PT 2  
5720-02416. REF. NOTE TO PLANNING TO CONTACT ENGINEERING

ACTION: 18JAN UPD - \*\*\*\*\*PER MRB DIP REV DTD 17JAN21, LIMIT  
CHANGE AS FOLLOWS:\*\*\*\*\* INIT:PLN/ENG >57,000 <60,000

T AFC OR >120,000 <129,000 TAFH T/A: BEFORE 62,528 T AFC  
OR 131,116 TAFH.....LT ASSOCIATED CF9060 TO MF2978  
INIT#1: (-7162) C/W 14APR18

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3655342 N CARRY FORWARD LCQ DIP 57-DIP

DEFECT: 28JUN LCQ CF -9 :LEFT WING FUEL PANEL 540LB BTWN RIBS  
16-17 HAS 7 EA ELONGATED HOLES IN TANK LANDINGS. BY-  
086636 MAINT TEXT:RPR'D 4 HOLES IAW SRM 57-21-11, RPR'D  
3 HOLES IAW E CRA 5720-02415 REV. A. RPR REQUIRES  
INSPECTIONS IAW PART 2 OF EC RA 12100C OR 24200T  
WHICHEVER OCCURS FIRST AND SUBSEQUENT INSP ECTIONS EVERY  
3300C OR 6600T WHICHEVER OCCURS FIRST.

ACTION: 28JUN DEF - :REPAIR ACCOMPLISHED BY V0 61619 AND QC

LC-10 ON TIMCO NR# 29168. 28JUN OPB INF- :\*MF2921\*  
CREATED FOR REPETITIVE INSPECTIONS. OPBLM HILL  
28JUN2013.

ACTION: 06JAN UPD - RECORDS UPDATE AT CUTOVER.....TW

ACTION: 16APR CRY - VERIFIED LOCATION AND CONDITION OF ELONGATED  
HOLES ON LEFT WING FUEL PANEL CUTOUT 540LB IAW A320 NTM  
51-90-00. NO NEW DAMAGE NOT ED. TOTAL A/C FC 29,980,  
TOTAL A/C FH 77,260

ACTION: 17APR UPD - RECORDS UPDATE

ACTION: 11DEC UPD - INSP C/W

ACTION: 11DEC REO - REOPEN MIA U110278 11DEC20 FOR: CLOSED IN  
ERROR PLEASE CONTACT TOMC FOR CLARIFICATION.

ACTION: 11DEC UPD - INSPECTION CRITERIA HAS CHANGED REF ECRA

5720-02415 REV B.

ACTION: 08JAN UPD - DIP LIMIT Y  
\*\*\*QC UPDATE\*\*

ACTION: 13JAN UPD - RECORDS UPDATE

ACTION: 08JAN UPD - FUEL TANK ACCESS PANEL 540LB REPAIR HAS BEEN  
APPROVED AS CAT B VIA RDAS 70579287/003/2013 ISS.B THE  
THRESHOLD TO BEGIN SUPP INSP IS 46,028 FC OR 102,216 FH  
WHICHEVER OCCURS FIRST AND EVERY 4300 FC OR 7500 FH  
THEREAFTER WHICHEVER OCCURS FIRST. ACCOMPLISH INSP PER  
PART 2 OF EC5720-02415

ACTION: 13JAN UPD - \*\*\*\*\*PER MRB DIP REV DTD 08JAN21; NEW LIMITS  
AS FOLLOW: INIT: 46028 T AFC OR 102,216 TAFH  
INIT WILL AUTO ITO TO RIR -7161

RIR: 7500 FH OR 4300 FC THEREAFTER...SN

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5590306 R CARRY FORWARD MIA DIP 53-DIP

DEFECT: AFT CARGO FR 61, BETWEEN STR 38 TO STR 39 SUPPORT  
BRACKET FITTING DAMAGED.

ACTION: 09DEC UPD - REMOVED AFT CARGO FLOOR PANEL FOR ACCESS.  
REMOVED DAMAGED FITTINGS. PERFORMED ROTO TEST TO DAMAGED  
HOLE AT FR 61. NO CRACKS FOUND. REAMED HOLE TO .265".  
INSTALLED NEW FITTING. REINSTALLED AFT CARGO FLOOR

PANELS REF A320 AMM 53-42-17-000-001 -A, AMM  
53-42-17-400-001-A, SRM 51-42-11-801, 51-44-11, ADD  
EMP:V926206

ACTION: 09DEC UPD - 51-75-12-911-002, NDTM 51-10-01, RES NO.

2016-411-9. ON OR BEFORE ACCUMULATION OF 63,968 TOTAL  
AIRCRAFT FLIGHT CYCLES OR 145,809 TOTAL AIRCRAFT FLIGHT  
HOURS, WHICHEVER OCCURS FIRST, PERFORM AN INSPECTION PER  
PART 2 OF THE LATEST REVISION OF ECRA 5340-01931

ACTION: 10DEC CRY - AAR MIA ACCOMPLISHED INTERIM REPAIR TO FR 61  
WEB AT STR 37L AS P ER ECRA 5340-01627 REVD PART 1. AS  
PER ECRA 5340-01931 PART 1 ST EP 7 INITIATE A DTA DIP SO  
AS ON OR BEFORE THE ACCUMULATION

ACTION: 10DEC EAT - OF 63,968 TTL ACFT FLT CYC OR 145,809 TTL  
ACFT FLT HOURS, WHICH EVER OCCURS FIRST, PERFORM AND  
INSPECTION PER PART 2 OF THE LATE ST REVISION OF ECRA  
5340-01931. REFERENCE AAR N/R 9470333, A/C

ACTION: 10DEC EAT - PTT = 82809.14 ACFT PTC = 32468.

ACTION: 12DEC CRY - AAR MIA ACCOMPLISHED INTERIM REPAIR TO FR 61  
WEB AT STR 37L AS P ER ECRA 5340-01931 REVD PART 1. AS  
PER ECRA 5340-01931 PART 1 ST EP 7 INITIATE A DTA DIP SO  
AS ON OR BEFORE THE ACCUMULATION

ACTION: 12DEC EAT - OF 63,968 TTL ACFT FLT CYC OR 145,809 TTL  
ACFT FLT HOURS, WHICH EVER OCCURS FIRST, PERFORM AN  
INSPECTION PER PART 2 OF THE LATES T REVISION OF ECRA  
5340-01931. REF AAR N/R 9470333 FOR WORK

ACTION: 12DEC EAT - ACP'D. PTT 82809.14 PTC 32468.

ACTION: 13DEC PND - ON OR BEFORE THE ACCUMULATION OF 63,968  
TOTAL AIRCRAFT FLIGHT CYCLES OR 145,809 TOTAL  
AIRCRAFT

FLIGHT HOURS, WHICHEVER OCCURS FIRST, PERFORM  
AN INSPECTION PER PART 2 OF THE LATEST REVISION OF  
ECRA

5340-01931

ACTION: 13DEC UPD - TOMC APPROVED : QC REVIEWED.

ACTION: 14DEC UPD - RECORDS UPDATE.....SS

ACTION: 13DEC UPD - TOMC APPROVED : QC REVIEWED.

ACTION: 14DEC UPD - T/A : 145,809 TAFH OR 63,968 TAFc.....SS

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5586075 R CARRY FORWARD MIA DIP 72-DIP

DEFECT: NO. 13 FAN BLADE L/E HAS SMALL NICK 10 AND HALF INCHED  
FROM TIP

ACTION: 08DEC UPD - PERFORMED EDDY CURRENT CRACK TEST AT ENG  
NO.1 FAN BLADE NO.13, NO CRACK NOTED. SMALL INDICATION  
NOTED DUE TO NICK. REWORKED FAN BLADE NO.13, PERFORMED  
EDDY CURRENT, NO CRACK NOTED REF A320 AMM

72-00-00-200-023B AND NTM PT6 72-13-09 A320 AMM -A13.  
NOTE: PER AMM 72-31-11-300-016-A13 REQUIRED VIBROPEEN  
ATADD EMP:V926206

ACTION: 08DEC UPD - NEXT NEXT SHOP VIDIT.

ACTION: 12DEC CRY - DIP ISSUED TO HAVE FAN BLADE #13 VIBRO  
PEENED (VRS1506) AT NEXT SHOP VISIT AS PER AMM  
7231-11-300-016-A PG 17 OF 29 REF AAR N/R 9470239.

ACTION: 12DEC UPD - DIP IS ON #1 ENG FAN BLADE #13.

ACTION: 12DEC PND - ENG 1 #13 FAN BLADE WAS REPAIRED REF AMM  
72-31-11-300-016-A 13 4.U.(2)(B) VIBROPEEN "VRS1506"  
ADJACENT TO THE PART NUMBER AT NEXT SHOP VISIT IN 8277  
CYCLES



ACTION: 12DEC UPD - QC REVIEWED

ACTION: 14DEC UPD - RECORDS UPDATE.....SS

ACTION: 12DEC UPD - QC REVIEWED

ACTION: 14DEC UPD - T/A : NEXT ENGINE SHOP VISIT....SS

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4882391 N CARRY FORWARD IAH DIP 53-DIP

DEFECT: DURING INSPECTION OF EA 5330-05216 OPS 2 CENTER FUSELAGE  
FR35-36 LHS FOUND SEVERAL HOLES CRACKED

ACTION: 22APR CRY - PERFORMED INTERIM REPAIR PER ECRA 5331-02669  
PART 1 PLACED ON DIP PER ECRA PART 1 PARA C TO  
ACCOMPLISH A PERMANENT REPAIR PER PART 3 OF ECRA  
5331-02669 ON OR BEFORE OCTOBER 22,2020. ADD EMP:U177779

ACTION: 22APR EAT - PLANNING TO CONTACT ENGINEERING AFTER  
SEPTEMBER 01,2020 BUT BEFORE SEPTEMBER 22,2020 FOR THE

PERMANENT REPAIR.

ACTION: 24APR PND - APPROVED TO CARRY REF ECRA 5331-02669  
PERMANENT REPAIR TO BE ACCOMPLISHED ON OR BEFORE  
22OCT2020 PLANNING TO CONTACT ENGINEERING AFTER  
01SEPT2020 BUT BEFORE 22SEP2020 FOR THE PERMANENT  
REPAIR.

ACTION: 24APR UPD - TOMC APPROVED : QC REVIEWED.

ACTION: 24APR UPD - RECORDS UPDATE

ACTION: 12DEC UPD - DIP LIMIT Y  
QC UPDATE

ACTION: 12DEC UPD - RECORDS UPDATE

ACTION: 13DEC CRY - NO ACTION NECESSARY, THIS VISIT AIRCRAFT HAS  
32,468 T AFC AND 82,809 T AFH. PER MRB DIP REVISED

11-DEC-20, PLANNING TO CONTACT ENGINEERING FOR INITIAL  
INSPECTION AFTER 90,000 T AFC BUT BEFORE ADD EMP:V912501

ACTION: 13DEC EAT - 94,000 T AFC. SEE LP 4882391

ACTION: 24APR UPD - TOMC APPROVED : QC REVIEWED.

ACTION: 12DEC UPD - <<<QC UPDATE>>> REF. ECRA 5331-02669 REV. A  
REVISES DIP TO:"ACCO MPLISH THE INITIAL INSP AT FR35-36  
AREA UNDERNEATH AND INBOARD O F TI-DOUBLER (HOLE9,13  
THRU 28) PER PT 2 OF ECRA 5331-02669 ON O R BEFORE  
112,861 TFC OR 243,597 TFH, WCF. PLANNING TO CONTACT EN  
GINEERING AFTER 90,000TFC BUT BEFORE 94,000TFC FOR

ACTION: 12DEC UPD - \*\*\*\* PER MRB DIP REV DATED 11DEC20, LIMIT  
CHANGE AS FOLLOWS:\*\*\*\* INIT: >90,000 <94,000 T AFC  
PLN/ENG T/A: 112,861 T AFC / 243,597 T AFH

.....DB/U359554

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5513477 N CARRY FORWARD MIA DIP 53-DIP

DEFECT: NON-ROUTINE GENERATED FOR DIP TRACKING PURPOSES OF  
MODIFIED DOOR STOP FITTINGS AT FR 68 LH AND RH AS PER EA  
5340-01724 REV B OP2 STEP 5.2 REF AAR N/R 9470414

ACTION: 28NOV CRY - RE-INSPECTION OF DOOR FITTINGS AT RF 68  
LT.AND RT. HAND TO BE ACCOMPLISHED AT 70600 FC, REF. SRM  
53-41-12-205-008, ALL DOOR FITTINGS AT FR 68 LH AND RH  
WERE MODIFIED.

ACTION: 28NOV PND - OK TO CARRY PER SRM 53-41-12-205-008,  
INSPECTION REQUIRED IN 70600 F/C'S FROM REPAIR  
EMBODIMENT.

EMBODIMENT.

ACTION: 28NOV UPD - Q/C REVIEWED.

ACTION: 04DEC UPD - RECORDS UPDATE

ACTION: 28NOV UPD - Q/C REVIEWED.

ACTION: 04DEC UPD - T/A: 70,600 F/C FROM REPAIR  
EMBODIMENT.....LT/U2

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5513466 N CARRY FORWARD MIA DIP 53-DIP

DEFECT: NON-ROUTINE GENERATED FOR DIP TRACKING PURPOSES OF  
MODIFIED DOOR STOP FITTINGS AT FR 66 LH AND RH AS PER EA  
5340-01725 REV B OP01 STEP 5.2 REF AAR N/R 9470413

ACTION: 28NOV CRY - RE-INSPECTION OF DOOR STOP FITTINGS AT FR 66  
LT. AND RT. HAND TO BE ACCOMPLISHED AT 70600 FC,

REFERENCE SRM 53-41-12-205-008, ALL DOOR STOP FITTINGS  
AT FR 66 LH AND RH WERE MODIFIED.

ACTION: 28NOV UPD - ABOVE REFERENCE EA SHOULD READ EA 5340-1724  
REV B OP 01 STEP.5.2

ACTION: 28NOV CRY - RE-INSPECTION OF DOOR FITTINGS AT FR 66 LT.  
AND RT. HAND TO BE ACCOMPLISHED AT 70600 FC, REF. SRM  
53-41-12-205-008, ALL DOOR FITTINGS AT FR 66 LH AND RH  
WERE MODIFIED.

ACTION: 28NOV PND - APPROVED TO CARRY PER SRM 53-41-12-205-008,  
INSPECTION REQUIRED IN 70600 F/C'S FROM REPAIR  
EMBODIMENT.

ACTION: 28NOV UPD - QC

ACTION: 04DEC UPD - RECORDS UPDATE

ACTION: 28NOV UPD - QC REVIEWED.

ACTION: 04DEC UPD - T/A: 70600 F/C FROM REPAIR  
EMBODIMENT.....LT/U224

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4882387 N CARRY FORWARD IAH DIP 53-DIP

DEFECT: DURING INSPECTION OF EA 5330-05216 OPS 3 RHS SIDE CENTER  
FUSELAG E FR 35-36 RHS FOUND SEVERAL HOLES CRACKED

ACTION: 22APR CRY - PERFORMED INTERIM REPAIR PART 1 PER ECRA  
5331-02670 PLACED ON DIP PER ECRA PART 1 PARA C TO  
ACCOMPLISH A PERMANENT REPAIR PER PART 3 OF ECRA  
5331-02670 ON OR BEFORE OCTOBER 22,2020.

ACTION: 22APR EAT - PLANNING TO CONTACT ENGINEERING AFTER  
SEPTEMBER 01,2020 BUT BEFORE SEPTEMBER 22,2020 FOR THE

PERMANENT REPAIR

ACTION: 24APR PND - APPROVED TO CARRY REF ECRA 5331-02670  
PERMANENT REPAIR TO BE ACCOMPLISHED ON OR BEFORE  
22OCT2020 PLANNING TO CONTACT ENGINEERING AFTER  
01SEPT2020 BUT BEFORE 22SEP2020 FOR THE PERMANENT  
REPAIR.

ACTION: 24APR UPD - TOMC APPROVED : QC REVIEWED.

ACTION: 24APR UPD - RECORDS UPDATE

ACTION: 12MAY UPD - ACCOMPLISH INSPECTIONS AT FUSELAGE FR36RH  
PRESSURE PANEL HOLES #9 #13 TO #28 PER PART 2 OF ECRA  
5331-02670 ON OR BEFORE A/C REACHING 112,861 TOTAL  
FLIGHT CYCLES OR 243,597 TOTAL FLIGHT

ACTION: 12MAY EAT - HOURS WHICHEVER OCCURS FIRST.PLANNING TO

CONTACT ENGINEERING AFTER 99,000 TOTAL A/C CYCLES OR  
221,000 TOTAL A/C FLIGHT HOURS BUT BEFORE 100,000 TOTAL  
A/C FLIGHT CYCLES OR 226,000 TOTAL A/C

ACTION: 12MAY EAT - FLIGHT HOURS WHICHEVER COMES FIRST FOR THE  
INSPECTION REQUIREMENTS

ACTION: 12MAY UPD - DIP LIMIT Y  
QC UPDATE

ACTION: 13MAY UPD - RECORDS UPDATE \*\*\*\* MRB DIP REV DTD 12MAY20

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ACTION: 24APR UPD - TOMC APPROVED : QC REVIEWED.

ACTION: 12MAY UPD - <<<QC UPDATE>>> REF. ECRA 5331-02670REV. A  
REVISES DIP TO: ACCOMPLISH INSP AT FUSELAGE FR36 RH  
PRESSURE PANEL HOLES #9, #13-28 PER PT 2 ON OR BEFORE

THE A/C REACHES 112,861 TFC OR 243,597 TFH, WCF.  
PLANNING TO CONTACT ESC AFTER 99000TFC OR 221,000TFH,  
BEFORE 100,000 TFC OR 226,000 TFH, WCF, FOR INSP.

ACTION: 13MAY UPD - \*\*\* PER MRB DIP REV DTD 12MAY20; LIMITS  
CHANGE AS FOLLOWS \*\*\* INIT: PLN/ENG >99,000 <100,000  
T AFC OR >221,000 <226,000 TAFH WHICHEVER COMES FIRST  
T/A: ON OR BEFORE 112,861 T AFC OR 243,597 TAFH  
WHICHEVER COMES FIRST ...RJS/U250018

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7090792 N CARRY FORWARD DLH DIP 50-DIP

DEFECT: CRACK INDICATION FROM ROTO PROBE AT FR 35, STGR 30L,  
LOWER AFT HOLE

ACTION: 12JUN CRY - ACCOMPLISHED INTERIM REPAIR AT FR 35, STGR

30L LOWER AFT HOLE RE F ECRA 5331-0230 ACCOMPLISH A  
PERMANENT REPAIR PER PART 3 OF THE ECRA 5331-02230 ON OR  
BEFORE 8 DEC-2018

ACTION: 12JUN EAT - BUT BEFORE 08 NOV 2018 RO THE PERMENANT  
REPAIR

ACTION: 12JUN PND - APPROVED TO PLACE ON DIP REF ECRA 5331-02230  
PERMANENT REPAIR TO BE ACCOMPLISHED PER PART 3 OF ECRA  
5331-02230 PLANNING TO CONTACT ENGINEERING AFTER 08 OCT  
BEFORE 08 NOV 2018 FOR PERMANENT REPAIR.

ACTION: 12JUN UPD - THERE IS A TOTAL OF SIX HOLES LISTED ON THE  
ECRA 5331-02230. C/W ECRA FOR ALL SIX HOLES.

ACTION: 12JUN UPD - QC REVIEWED

ACTION: 13JUN UPD - RECORDS UPDATE

ACTION: 11OCT UPD - LINE PLANNING HAS CONTACTED ENGINEERING VIA  
E-MAIL.

ACTION: 07DEC UPD - REF ECRA 5331-02230A; ACC INIT INSP PER PART  
2 PRIOR TO A/C REACHING 43180 TTL FLT CYC OR 103660 TTL  
FLT HRS. REPEAT INSP EVERY 6500CYC OR 13000 FLT HRS  
WHICHEVER COMES FIRST THEREAFTER

ACTION: 07DEC UPD - RECORDS UPDATE

ACTION: 12JUN UPD - QC REVIEWED

ACTION: 07DEC UPD - REF ECRA 5331-02230A; ACC INIT INSP PER PART  
2 PRIOR TO A/C REACHING 43180 TTL FLT CYC OR 103660 TTL  
FLT HRS. REPEAT INSP EVERY 6500CYC OR 13000 FLT HRS  
WHICHEVER COMES FIRST THEREAFTER

ACTION: 07DEC UPD - \*\*\*\*\*PER MRB DIP REV DTD 07DEC18, LIMIT

CHANGE AS FOLLOWS:\*\*\*\*\* INIT: >43,180 T AFC OR 103,660  
TAFHWILL ITO TO RIR (0051) RIR: 6,500 F/C OR 13,000 F/H  
WHICHEVER COMES FIRST...LT

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7059568 N CARRY FORWARD DLH DIP 54-DIP

DEFECT: #2 ENG MOUNT STRUT HAS DENTS BETWEEN PYLON RIBS 7-8 OTB

ACTION: 08JUN CRY - REPAIRED #2 ENG MOUNT STRUT BETWEEN PYLON  
RIBS 7-8 O/B IAW ECRA #5451-01218 A PERMENANT REPAIR OS  
TO BE ACCOMPLISHED PER PART 3 OF ECRA ON OR BEFORE  
23/NOV/19 PLANNING TO CONTACT ENGINEERING

ACTION: 08JUN EAT - AFTER 03/NOV/18 BUT BEFORE 13NOV/19 FOR  
PERMANENT REPAIR.

ACTION: 08JUN UPD - CORRECT TIMES

ACTION: 08JUN PND - OK TO DIP PER ECRA. ACP PERM RPR PER ECRA ON OR BEFORE 23NOV18. PLANNING CONTACT ENGINEERING AFTER 03NOV18 BUT BEFORE 13NOV18 FOR THE PERM RPR.

ACTION: 08JUN UPD - QC REVIEWED

ACTION: 12JUN UPD - RECORDS UPDATE...MB/V740009

ACTION: 27OCT UPD - FORWARD .522 WIDTH ONE INCH AWAY FROM DENT , ,AFT .548 WIDTH ONE INCH AWAY FROM DENT NOTE:UNABLE TO MEASURE DIRECTLY ABOVE DAMAGE AREAS BECAUSE OF ROUND SURFACES

ACTION: 27OCT UPD - MEASUREMENTS TAKEN AND LISTED IN PREVIOUS UPDATE WERE THE HB MEASUREMENTS PER THE ECRA. COULD NOT TAKE PROPER HB MEASUREMENT RIG HT AT THE DENT BECAUSE OF THE REWORK.

THE REWORK.

ACTION: 27OCT UPD - PER ECS GROUP CONTACT PEIRRE SMITH, MEASUREMENTS OF HB TAKEN AND ANNOTATED IN PREVIOUS UPDATE ARE SUFFICIENT PER ECRA REQUEST

ACTION: 05NOV UPD - LINE PLANNING HAS CONTACTED ENGINEERING VIA EMAIL.

ACTION: 06NOV UPD - RECORDS UPDATE

ACTION: 20NOV UPD - ACCOMPLISH INIT INSP REQMENTS PER PART 2 OF ECRA 5451-01218 ON OR BEFORE THE ACFT REACHES 57800 TTC OR 133060 TFH, WHICHEVER COMES FIRST. ACCOMP AT INTERVALS NOT TO EXCEED 27900TFC OR 55800 THF.

ACTION: 20NOV UPD - \*QC UPDATE\*ACP INITIAL INSP IAW PT 2 OF EC5451-01218 ON/BEFORE A /C REACHES 57880 FLT CYC OR

133060 FLT HRS. ACP REPEAT INSP AT 2 7900 FLT CYC OR 55800 FLT HR INTERVALS WHICHEVER COMES FIRST.

ACTION: 23NOV UPD - RECORDS UPDATE

ACTION: 23NOV UPD - RECORDS UPDATE

ACTION: 08JUN UPD - QC REVIEWED

ACTION: 20NOV UPD - \*QC UPDATE\*ACP INITIAL INSP IAW PT 2 OF EC5451-01218 ON/BEFORE A /C REACHES 57880 FLT CYC OR 133060 FLT HRS. ACP REPEAT INSP AT 2 7900 FLT CYC OR 55800 FLT HR INTERVALS WHICHEVER COMES FIRST.

ACTION: 23NOV UPD - \*\*\*PER MRB DIP REV DATED 20NOV18; LIMITS CHANGE AS FOLLOWS:\*\*\*\* INIT: 57880 T AFC/ 133060 T AFH, FIRST OF RIR: 27900 FC / 55800 FH ...DB U359554NB

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7059465 N CARRY FORWARD DLH DIP 53-DIP

DEFECT: CORROSION ALONG STRINGER 40 BETWEEN FRAMES 32 AND 33 IN FWD CARGO COMPARTMENT BILGE AREA R/H SIDE

ACTION: 08JUN CRY - REMOVED CORR. BETWEEN FRAMES 32 AND 33 STRINGER 40R IAW A-320 SRM 51-74-00. MEASURED LIMITS AND FOUND TO BE OUT OF LIMITS IAW A- 320 SRM 53-21-13-283-001. INSTALLED REPAIRS PARTS AS PER A-320

ACTION: 08JUN EAT - SRM 53-21-13-300-004 AT STR 40R FRAME 32 TO FRAME 33 REPAIR IS CARB AND SRI REQUIREMENTS ARE 60,000F/C, 120,000 F/H WHICHEVER OCCURS FIRST. INSPECTION INTERVALS AND METHEAD OF INSPECTION

ACTION: 08JUN EAT - ARE TBD IAW A320 SRM SRI 53-21-13-205-001 TABLE 30101

TABLE 30101

ACTION: 08JUN PND - OK TO DIP PER SRM. RECHECK PER SRI 53-21-13-205-006 WITHIN 60000FC OR 120000FH FROM REPAIR WHICHEVER OCCURS FIRST.

ACTION: 08JUN UPD - QC REVIEWED  
ACTION: 12JUN UPD - RECORDS UPDATE...MB/V740009  
ACTION: 08JUN UPD - QC REVIEWED  
ACTION: 12JUN UPD - T/A: 60K FC OR 120K FH..MB/V740009  
\*\*\*\*\*  
7082037 N CARRY FORWARD DLH DIP 53-DIP  
DEFECT: CORROSION FOUND ON STRINGER BETWEEN FR 31-32 IN C1  
ACTION: 11JUN CRY - THE CORROSION ON FR 31-32IN FWD CARGO WA  
REPAIRED,HFEC,ROTOPROBE , UT AND RESTORED IAW SRM  
  
21-74-00-001,SRM 53-21-13-300-002. BLE LIMITS WERE  
NOMINAL THICKNESS OF .087. MINIMUM REMAINING  
ACTION: 11JUN EAT - THICKNESS IS .075 MAXIMUM ALLOWED REMOVED OS  
.008. THIS WILL REQUIRE INSPECTION THRESHOLD FROM TIME  
OF ADL/REPAIR EMBODIMENT IS 60000FC/120000 FH WHICH  
OCCURS FIRST. SUBSEQUENT INSPECTION  
ACTION: 11JUN EAT - TBD. REF ARI 53-21-13-205-005  
ACTION: 11JUN UPD - CORRECT SRI 53-1-13-205-005  
ACTION: 11JUN PND - CORROSION ON FRAME 31-32 IN FORWARD CARGO  
COMPARTMENT WAS REPAIRED IAW SRM 53-21-13-300-002. THIS  
ITEM REQUIRES REINSPECTION AT 60000 FLIGHT CYCLES (FC)  
OR 120000 FLIGHT HOURS (FH) WHICHEVER OCCURS FIRST FROM  
THE TIME OF REPAIR EMBODIMENT PER SRI 53-21-13-205-005.  
  
ACTION: 12JUN UPD - REVIEWED  
ACTION: 12JUN UPD - RECORDS UPDATE  
ACTION: 12JUN UPD - QC REVIEWED  
ACTION: 12JUN UPD - T/A: 120K TAFH/60K TAFH; WHICHEVER  
FIRST.....DH/V766499  
\*\*\*\*\*  
7030506 R CARRY FORWARD DLH DIP 53-DIP  
DEFECT: CORROSION FOUND ON STGR40R BETWEEN FR31-32 IN C1  
ACTION: 04JUN CRY - CORROSION ON STGR40R BETWEEN FR31-32 WAS  
REPAIRED INCLUDING HFEC , ROTO-PROB, UT & RESTOTATION OF  
SURFACE PROTECTION, ON NR SN 98 09366, REF STEPS  
6,7,8,9,10,15 & 16. ALLOWABLE LIMITS EVAL  
ACTION: 04JUN EAT - ACCOMPLISHED IAW A320 SRM 53-21-13-283-001 &  
  
BLEND WAS FOUND IN LIMITS. NOMINAL THICKNESS IS  
.063".REMAINING THICKNESS (MINIMUM) IS .049. MAXIMUM  
ALLOWED MATERIAL REMOVED IS .024.  
ACTION: 04JUN EAT - CCP ACCOMPLISHED ON TC 18-5120-1-3905. 1ST  
RECURRING INSPECTION PER A320 SRI 53-21-13-205-001 IS  
60000FC/120000FH, WHICHEVER OCCURS FIRST. SUBSEQUENT  
INSP. ARE TBD. MAX MATERIAL REMOVED .014"  
ACTION: 04JUN PND - APPROVED PER SRM MUST BE INSPECTED AT 60000  
FC / 120000 FH WHICH EVER OCCURS FIRST. SUBSEQUENT  
INSPECTIONS TO BE DETERMINED.  
ACTION: 04JUN UPD - TOMC APPROVED : QC REVIEWED  
ACTION: 05JUN UPD - RECORDS UPDATE ...MB/V740009  
ACTION: 04JUN UPD - TOMC APPROVED : QC REVIEWED  
  
ACTION: 05JUN UPD - T/A: 60K TAFH OR 120K TAFH...MB/V740009  
\*\*\*\*\*  
6824731 N CARRY FORWARD DLH DIP 53-DIP  
DEFECT: DENT IN LH LOWER FUSELAGE BETWEEN FR55 & FR56 JUST ABOVE  
STR35.  
ACTION: 07MAY CRY - CUT OUT DAMAGE & REPAIRED SKIN ON FUSELAGE  
BETWEEN FR55 & FR56 JUST ABOVE STR 35 LH IAW A320 SRM  
53-00-11-300-042. ACCOMPLISHED HFEC OF CUTOUT & ROTO  
PROBE OF OPEN HOLES, NO CRACKS FOUND. ADD EMP:U355101

ACTION: 07MAY EAT - IAW A320 NTM 51-10-01 & 51-10-08. SRI  
INSPECTION REQUIREMENTS 24 ,200FC / 48,400FH FROM REPAIR  
EMBODIMENT WITH INSPECTION INTERVALS OF 1300 FC /  
2600FH USING ULTRA SONIC & EDDY CURRENT

2600FH USING ULTRA SONIC & EDDY CURRENT

ACTION: 07MAY EAT - IAW A320 SRI 53-00-11-205-017 TABLE 30137.

ACTION: 07MAY EAT - DONE

ACTION: 01JUN PND - DIP APPROVED FOR CARRY BY TOMC PER  
SRI53-00-11-205-017 INSPECTION REQUIREMENTS 24,200FC /  
48,400FH FROM REPAIR EMBODIMENT WITH INSPECTION  
INTERVALS OF 1300 FC / 2600FH USING ULTRA SONIC & EDDY  
CURRENT

ACTION: 01JUN UPD - RECORDS UPDATE...MB/V740009

ACTION: 04JUN UPD - Q/C REVIEWED.

ACTION: 04JUN UPD - Q/C REVIEWED.

ACTION: 01JUN UPD - INIT: 24,200 FC OR 48,400 FH  
WILL ITO TO RIR -1151

RIR: 1,300 FC OR 2,600 FH...MB/V740009

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6955571 N CARRY FORWARD DLH DIP 53-DIP

DEFECT: AFT CARGO CORODED STRINGER FR 58 STR 41 RT

ACTION: 25MAY CRY - REMOVED PRODUCTION SPLICES AND 1 CLET FOR  
FOM AFTER EVALUATION FOUND STR 42R AT FR 58 OUT OF  
LIMITS, MINIMUM DISTANCE BETWEEN R EPAIR AND PRDUCTION  
SPLICES NOT OBTAINED. ROTOPROBE PERFROMED

ACTION: 25MAY EAT - NO DEFECTS NOTED CUTOUT DAMAGE SECTION OF  
STR 41R BETWEEN FR 58 TO FR 59 INSTALLED REPAIR PARTS, 1  
CLET AND PRODUCTION SPLICES A T FR 58 AND FR 59 STR 41R.  
RESTORED SURFACE PROTECTION.

ACTION: 25MAY EAT - IAW A329 SRM 53-00-13-300-001 & SRI

53-00-13-205-001 TABLE 30105 FROM TIME OF ADL/REPAIR  
EMBODIMENT FC 60000/FH 120000 SUBSEQUEN T INSP INTERVALS  
ARE TBD

ACTION: 25MAY PND - FROM TIME OF ADL/REPAIR EMBODIMENT OF  
60,000FC OR 120,000 FH, REPAIR METHOD AND INTERVAL TBD.  
REF SRI 53-00-13-205-001. CURRENT PTT IS 77260 AND PTC  
IS 29980.

ACTION: 25MAY UPD - REVIEWED

ACTION: 30MAY UPD - RECORDS UPDATE

ACTION: 25MAY UPD - QC REVIEWED

ACTION: 30MAY UPD - T/A: WITHIN 60K FC OR 120K FH FROM REPAIR  
EMBODIMENT.AB/N083207

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6955418 N CARRY FORWARD DLH DIP 53-DIP

DEFECT: CORROSION ON L2 AFT DOOR FRAME CA 1 INCH ABOVE FLOOR  
THRESHOLD A FT OF LOWER GIRT BAR FITTING AT FRAME 68

ACTION: 25MAY CRY - BLENDED CORROSION ON FR 68 L/H AT NUT PLATE  
HOLE IAW A320 SRM 51 -74-00-001 STARTING METERIAL  
THICKNESS IS .098" REMOVED ,33" MER TERIAL MIN REMAINING  
THICKNESS IS .065" REWORK IS FOUND TO BE ADD EMP:V918901

ACTION: 25MAY EAT - OUT OF LIMITS IAW A320 SRM 53-41-12-283-001,  
FIGURE 10102(SHEET 1) ACCOMPLISHED HFEC AND ROTOPROBE OF  
BLEND AREA IAW A320 NTM 51 -10-02,51-10-01. NE DEFECTS  
NOTED. ACCOMPLISHED REPAIR

ACTION: 25MAY EAT - PRINCIPLE I IAW A320 SRM 53-41-12-300-001.  
IT IS NECESSARY TO IN SPET THIS REPAIR AT DEFINED

INTERVALS 19300 FC/38600 FH SUBSEQUENT INSPECTION  
INTERVALS OF 1900 FC/38600 FH INSPECTION METHOD

ACTION: 25MAY EAT - OF DETAILED VISUAL.

ACTION: 25MAY UPD - REF SRI 53-41-12-205-002 FOR INSPECTION  
METHOD AND TIME.

ACTION: 25MAY PND - A DETAILED VISUAL INSPECTION IS REQUIRED  
FROM TIME OF ADL/REPAIR IMBODIMENT OF 19,300 FC OR  
38,600 FH'S, WHICHEVER IS ACHIEVED FIRST. CURRENT PTC IS  
29,980 AND PTT IS 77,260.

ACTION: 25MAY UPD - QC REVIEWED

ACTION: 30MAY UPD - RECORDS UPDATE

ACTION: 25MAY UPD - QC REVIEWED

ACTION: 30MAY UPD - RIR: INTERVALS OF 1900 FC/38600

FH...AB/N083207

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6712560 R CARRY FORWARD DLH DIP 53-DIP

DEFECT: REF TO AAR NR 9808365-SPEC A3NB-53-3-6331, DOT A-21-001.  
DENT ON UPPER FUSELAGE EXTERNAL SURFACE, FR30 STGR 2R  
(CROWN).

ACTION: 21APR CRY - DENT AFT OF OF FR30 AND OTBD OF STGR 2R IS  
.020" DEEP AND MATERIAL THICKNESS IS .047" DENT FALLS  
INTO ALLOWABLE PERMANENT SOFT DENT DRESS OUT AREA IAW  
A320 SRM 53-21-11-205-004 ADD EMP:V918798

ACTION: 21APR EAT - DIAGRAM 10103 SHEET 1. PERFORMED HFEC OF  
DENT. INTERNAL AND EXTERNAL, IAW A320 NTM 51-10-08, NO  
CRACKS. RE-CURRENT INSP'S REQUIRED PER SRI

53-21-11-20-004 TABLE 30107 DRESSED OUT DENT TO MAX

ACTION: 21APR EAT - DEPTH OF .007" PER A320 SRM 51-73-00, ZONE 1  
INSP THRESHOLD 60,000FC/120,000FH FROM REPAIR  
EMBODIMENT/PERMANENT SOFT DENT DRESS OUT AREA, DIAGRAM  
10103 SRI 53-21-11-283-002.

ACTION: 21APR PND - OKAY TO DIP FOR 60000FC / 120000FH REF SRI  
53-21-11-205-004

ACTION: 23APR UPD - QC REVIEWED

ACTION: 26APR UPD - RECORDS UPDATE

ACTION: 23APR UPD - QC REVIEWED

ACTION: 26APR UPD - T/A: BY 120,000 FH OR 60,000 FC...SN/V750322

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6712501 R CARRY FORWARD DLH DIP 53-DIP

DEFECT: REF TO AAR NR 98008538-SPEC A3NB-53-3-6298 R-1 DOOR AFT  
GIRT FITTING MOUNT AREA, HAS CORROSION.

ACTION: 21APR CRY - REMOVED CORROSION ON R-1 DOOR AFT GIRT BAR  
FITTING MOUNT AREA. INSTALLED REPAIR WASHERS IAW A320  
SRM 53-11-14-283-005. THIS ALLOWABLE RE-WORK MUST BE  
INSPECTED AT DEFINED INTERVALS. ADD EMP:V918713

ACTION: 21APR EAT - INSPECTION THRESHOLD: 60,000FC/FH NOT  
RELEVANT. SUBSEQUENT INSP AT INTERVALS TBD. INSP METHOD  
TBD. FROM A/C FIRST FLT. IAW A320 SRI 53-11-14-205-001  
CURRENT FC 29,980.

ACTION: 21APR UPD - UPDATE, REF TO AAR LOG PAGE 9808538.

ACTION: 21APR UPD - UPDATE: CORROSION WAS FOUND AT 3 OF THE  
FASTENER HOLES AND REQUIRED SPOT FACING TO .98 DIA. AND

.045 DEEP TO REMOVE CORROSION FWD IB HOLE, AFT IB HOLE  
AND AFT OB HOLE ACCOMPLISHED A HFEC WITH NO CRACK  
INDICATIONS. INSTALLED NEW FASTENERS, AND RE-ASSEMBLED.  
D.

ACTION: 21APR PND - OK TO DIP. REMOVED CORROSION AT DOOR R-1 AFT

GIRT BAR FITTING MOUNT AREA FW IB HOLE,AFT IB HOLE AND  
AFT OB HOLE PER SRM 53-11- 14-283-005 ACCOMPLISHED HFEC  
NO CRACK INDICATIONS. INSPECTION THRESHOLD 60000 FLIGHT  
CYCLES (FC) FROM FIRST FLIGHT. SUBSEQUENT INSPECTIONS  
TBD PER SRI 53-11-14-205-001 TABLE 30101.

ACTION: 23APR UPD - QC REVIEWED

ACTION: 26APR UPD - RECORDS UPDATE

ACTION: 23APR UPD - QC REVIEWED

ACTION: 26APR UPD - T/A: WITHIN 60,000 TAFC...SN/V750322

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6725374 R CARRY FORWARD DLH DIP 53-DIP

DEFECT: REF TO AAR NR-9808535, SPEC A3NB-53-3-6298.

L-1 DOOR FWD GIRT FITTING MOUNT AREA HAS CORROSION,  
AROUND 4 HOL ES. TWO AFT HOLES, FWD I/B AND FWD O/B  
HOLES.

ACTION: 23APR CRY - REMOVED CORROSION, AND REPAIR HOLES, THE TWO  
AFT HOLES, FWD I/B AND FWD O/B HOLES, ON THE L-1 DOOR  
FWD GIRT BAR FITTING MOUNT AR EA IAW A320 SRM  
53-11-14-283-005, ADD EMP:V918924

ACTION: 23APR EAT - REMOVED CORROSION, AND SPOT FACED HOLES,  
MINIMUM REMAINING THICK NESS AFTER SPOT FACING, IS .167,

THE MINIMUM REMAINING MUST BE G REATER THEN .1476.  
WITHIN RE-WORK LIMITS. SRM 53-11-14-283-005.

ACTION: 23APR EAT - FABRICATED REPAIR WASHERS, 4 EA, IAW SRM  
53-11-11-283-005 FIG 10 108 SH 5. INSTALLED REPAIR  
WASHERS IAW SRM 53-11-14-283-005 PG 4 . THIS REPAIR IS A  
CATAGORY "B" INSPECTION FROM FIRST FLT.

ACTION: 23APR EAT - IS 60,000FC/FH NOT RELEVANT, SUBSEQUENT  
INSPECTIONS TBD, AND INS PECTION METHOD TBD IAW SRI  
53-11-14-205-001. PERFORMED HFEC AND DVI NO CRACKS OR  
CORROSION NOTED.

ACTION: 23APR PND - OKAY TO CARRY FORWARD WITH CORROSION REMOVED  
WITHIN ALLOWABLE LIMITS AT DOOR L-1 AFT GIRT BAR FITTING  
PER SRM 53-11-14-283-005 REINSPECTION REQUIRED AT 60000

FLIGHT CYCLES (FC) FROM AIRCRAFT FIRST FLIGHT.  
SUBSEQUENT INSPECTIONS TO BE DETERMINED AT A LATER DATE.  
REF SRI 53-11-14-205-001 TABLE 30101.

ACTION: 24APR UPD - QC REVIEWED

ACTION: 26APR UPD - RECORDS UPDATE

ACTION: 24APR UPD - QC REVIEWED

ACTION: 26APR UPD - T/A: WITHIN 60,000 TAFC...SN/V750322

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3655347 N CARRY FORWARD LCQ DIP 53-DIP

DEFECT: 21MAR LCQ CF -9 :L2 DOOR CUTOOT CHAFED AT UPPER AFT  
CORNER ON EXTERIOR SKIN. BY- 08634 MAINT TEXT:BLENDDED  
AREA. FOUND MAT LOSS TO BE .017". MAX ALLOW ABLE .047"  
PER SRM53-41-11. NR #V1373I BY #308144 AND INSPECTED BY

LC03. PER SRI 53-41-11 TABLE 102 REQUIRES REINSPECTION  
AT 600 00C FROM AIRCRAFT DELIVERY. CURRTG PTC 22398.

ACTION: 21MAR DEF - :FIRST REINSPECTION DUE AT 37602C. 02NOV OPB  
INF- :SUBSEQ INSP TBD\*TOMC JO\*

ACTION: 06JAN UPD - RECORDS UPDATE AT CUTOVER...AS/V735374

ACTION: 06JAN UPD - INIT: W/I 60K TAFC

RIR: SUBSEQUENT INSP. TBD (NO M&E)...AS/V735374  
ASSOCIATED CF9049

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3655345 N CARRY FORWARD

LCQ DIP 53-DIP



DEFECT: 22MAR LCQ CF -9 :SKIN DOUBLER INSTALLED AT REMOVED L-H  
AIRP HONE ATENNA AREA. BETWEEN FR 63-64. STR 42L - 43L.  
THIS ACCOMP C OA 40795C. BY- 093796 MAINT TEXT:INSTALLED

DOUBLER RPR PER SRM53-00-11 FIG 238. REQU IRES REINSP  
PER SRI 53-00-11 TABLE 219.

ACTION: 22MAR DEF - :REQUIRES ULTRA SONIC AND EDDY CURRENT INSP  
STARTING 60,000C OR 105,000T AFER RPR INSTALLE D. CURT  
PTC 22398. PTT 59457. RPR REF PTT 4572327. 22MAR2012 .  
02NOV OPB INF- :SUBSEQ INSP TBD\*TOMC JO\*

ACTION: 06JAN UPD - RECORDS UPDATE AT CUTOVER...AS/V735374

ACTION: 06JAN UPD - INIT: W/I 60K FC (82398 TAFC) OR 105K FH  
(164457 TAFH) RIR: SUBSEQUENT INSP. TBD (NO  
M&E)...AS/V735374 ASSOCIATED CF9054

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3655344 N CARRY FORWARD LCQ DIP 53-DIP

DEFECT: 22MAR LCQ CF -9 :MJR RPR INSTALLED FR73-74, STR 31R-33R.

REF PTT 4572321. ACP AT HMV3 VISIT. THIS RPR REQUIRES  
SUBSEQUENT INSP STARTING 60000C OR 75000T AFTER  
IMBODIMENT. BY- 093796

ACTION: 22MAR DEF - :THIS RPR REQUIRES REINSP STARTING PTC  
82398C, PTT 13457. 02NOV OPB INF- :SUBSEQ INSP TBD\*TOMC  
JO\*

ACTION: 06JAN UPD - RECORDS UPDATE AT CUTOVER...AS/V735374

ACTION: 06JAN UPD - INIT: W/I 60K FC (82398 TAFC) OR 75K FH  
(134457 TAFH) RIR: SUBSEQUENT INSP. TBD (NO  
M&E)...AS/V735374 ASSOCIATED CF9053

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3655349 N CARRY FORWARD LCQ DIP 53-DIP

DEFECT: 21MAR LCQ CF -9 :EXISTING DOUBLER REPAIR AT FR75-76 STR

29R -32R. BY- 08634 MAINT TEXT:THIS ENTRY CREATED PER  
AGING AIRCRAFT SURVEY. THIS REPAIR WAS VERIFIED THAT IT  
WAS INSTALLED PER SRM53-00-11 FIG225 . UA ECRA  
5351-01083 AND TIMCO REO-L01358. HFEC OUTER ROW OF FAS  
TENERS,NO RELEVANT INDICATIONS. NR #V1561I & V9181I BY  
#306871 A ND INSPECT BY LC09. SRI REQUIRED REINSPECT AT  
60000C.

ACTION: 21MAR DEF - :PER SRI 53-00-11 TABLE 20 3, FIRST  
REINSPECTION DUE AFTER REPAIR EMBODIMENT AT 60000C OR 7  
5000T CURRENT PTC IS 22398 AND PTT IS 59457. 02NOV OPB  
INF- :SUBSEQ INSP TBD\*TOMC JO\*

ACTION: 06JAN UPD - RECORDS UPDATE AT CUTOVER...AS/V735374

ACTION: 06JAN UPD - INIT: W/I 60K FC (82398 TAFC) OR 75K FH

(134457 TAFH) RIR: SUBSEQUENT INSP. TBD (NO  
M&E)...AS/V735374 ASSOCIATED CF9051

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3655348 N CARRY FORWARD LCQ DIP 53-DIP

DEFECT: 21MAR LCQ CF -9 :MAJOR REPAIR. STR 43L AT FRAME 63 HAS  
CORR OSION. BY- 08634 MAINT TEXT:INSTALLED STRINGER  
REPAIR PER SRM 53-00-13 FIG 201. NR #'S V1355I AND  
V9140I BY #304225 AND INSPECTED BY LC02. PER SRI  
53-00-13 TABLE 202, REQUIRES REINSPECTION AT 60000C FROM  
REP AIR EMBODIMENT. CURRTG PTC 22398. CORRECT SRI TABLE  
IS 209.

ACTION: 21MAR DEF - :FIRST REINSPECT DUE AT 82398. 02NOV OPB  
INF- :SUBSEQ INSP TBD\*TOMC JO\*

ACTION: 06JAN UPD - RECORDS UPDATE AT CUTOVER...AS/V735374

ACTION: 06JAN UPD - INIT: W/I 60K FC (82398 TAFC)  
RIR: SUBSEQUENT INSP. TBD (NO M&E)...AS/V735374  
ASSOCIATED CF9050

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3655339 N CARRY FORWARD LCQ DIP 52-DIP

DEFECT: 22AUG LCQ CF -T :FWD CARGO DOOR EXTERIOR SKIN LWR AREA  
HAS LIGHTING STRIKE. BY- 150449

ACTION: 22AUG DEF - :REPAIRED LIGHTING STRIKE ON FWD CARGO DOOR  
SKIN FASTENER IAW SRM 52-00-00 FIG 213 REPAIR REQS.  
REINSPECTION AT 60000 FC IAW SRI 52-00-00 WORK PERFORMED  
ON TIMCO NR 43041 MECH 892442 INSP QC LC-81. PER FIG 213  
SHEET 2 C.IIR 52-00-00-2-003-00 & PAGES 211 212 TABLE

204. 22AUG OPB CQT- :CF9 CREATED. NO RECHECK LIMIT AVAIL  
AT TIME OF CF. AT TIME OF 1ST INSPECTION, RE-CHECK SRI  
AND APPLY APPLICABLE LIMITS. OPBLM HILL 22-AUG-2013.

ACTION: 06JAN UPD - RECORDS UPDATE AT CUTOVER...AS/V735374

ACTION: 06JAN UPD - INIT: W/I 60K FC (84288 TAFC)  
RIR: SUBSEQUENT INSP. TBD (NO M&E)...AS/V735374  
ASSOCIATED CF9062

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3655350 N CARRY FORWARD LCQ DIP 53-DIP

DEFECT: 19MAR LCQ CF -9 :MAJOR REPAIR. PRE-EXISTING DOUBLER  
REPAIR AT FR25-26 STR 42L-43L. BY- 08634 MAINT  
TEXT:VERIFIED REPAIR WAS INSTALLED PER SRM 53-21-11 FIG  
214 NR #'S V1574I AND V9223I BY #306871 AND INSPECTED BY

LC12. P ER SRI 53-21-11 TABLE 204, NEEDS REINSPECT AT  
60000C CURRTG PTC IS 22398.

ACTION: 19MAR DEF - :REINSPECT PER SRI 53-21-1 1 TABLE 204 AT  
60000C. CURRENT PTC IS 22398. 02NOV OPB INF- :SUBSEQ  
INSP TBD\*TOMC JO\*

ACTION: 06JAN UPD - RECORDS UPDATE AT CUTOVER.....TW

ACTION: 06JAN UPD - INIT: 60,0000 TAFC  
RIR: TBD  
ASSOCIATED CF9047

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3655346 N CARRY FORWARD LCQ DIP 53-DIP

DEFECT: 22MAR LCQ CF -9 :REF PTT 4572329, SKIN DOUBLER INSTALLED  
AT R-H AIRPHONE AREA, FR63-64, STR 42R-43R. REQUIRES

SUBSEQUENT IN SP REF SRI 53-00-11 TABLE 248. BY- 093796  
MAINT TEXT:THIS RPR AT SKIN LAP.

ACTION: 22MAR DEF - :REQUIRES REINSP 33300C OR 11400T AFTER  
IMBODIEMNT. CURT PTT 59457. PTC 22398. 22MAR2012. 16JAN  
WHQ INF- :WAS REPAIRED PER SRM 53- 00-11 FIG 238,  
INSPECTION REQ PER SRI 53-00-11-2-017-00 TABLE 226. AT  
56800C AFTER EMOBDYMENT AND EVERY 5200C. \*\* MF4923 ADDED  
TO MONITOR \*\*02NOV OPB INF- :SMP 60000C FROM RPR PER SRI  
53-00-11-2-017-00\*TOMC JO\*

ACTION: 06JAN UPD - RECORDS UPDATE AT CUTOVER.....TW

ACTION: 06JAN UPD - INIT: 79,198 TAFC  
(INIT WILL ITO TO RIR -9173)  
RIR: 5,200 FC

T/A: 82,398 TAFC  
ASSOCIATED CF9055 TO MF4923

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3655340 N CARRY FORWARD LCQ DIP 53-DIP

DEFECT: 21AUG LCQ CF -T :FWD RH FUSELAGE SKIN FASTENERS HAVE 7  
EACH LIGHTING STRIKES BETWEEN FRAME 09-24 AND STR 37-39.

BY- 150449

ACTION: 21AUG DEF - :REPAIRED 7 EACH LIGHTING STRIKES FWD LWR RH  
FUSELAGE SKIN FM 9-24 STR 37-39 IAW SRM 53-11 -11 FIG  
211. WORK PERFORMED ON TIMCO NR 43018 BY MX V052041 AND  
INSPECTED BY LC81. FIRST INSP AFTER REPAIR EMBODIMENT IS  
48000 FC PER SRI 53-11-11 PAGE 207 TABLE 203. 22AUG OPB  
CQT- :\*MF3119\* CREATED FOR INSPECTION REQS STARTING AT

72288 PTC. CF ITEM MUST BE ADDRESSED AT 84288 PTC \*60000  
CYC FROM RPR\* WITH STRUCTURAL MOD POINT \*SMP \*. SEE SRI  
53-11-11-2-002-00. OPBLM HILL 22-AUG-2013.

ACTION: 06JAN UPD - RECORDS UPDATE AT CUTOVER.....TW

ACTION: 06JAN UPD - INIT: 72,288 TAFC

(INIT WILL ITO TO RIR -9171)

RIR: 3,600 FC

T/A: 84,288 TAFC

ASSOCIATED CF9061 TO MF3119

END LONG TERM CF ITEMS

=====END OF HIS=====

\$B  
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\*END - DIL/LOG\*  
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\*NEXT - POSBD/NOTAM BRIEF\*  
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B

## Official Pilot Briefing

UAL430 13APR23 N423UA 20 KDEN 1715 KONT 1937  
UAL2156 13APR23 N423UA 20 KONT 2028 KDEN 2240

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Trans ID: 37157379  
Creation Time: 13.04.2023 15:40UTC

### GENERAL INFORMATION

#### DISPATCH - ARINC RADIO OP CONTACT

\*27 JAN 2023 00:00-14 JUL 2024 00:00\*  
\*\*CREW AWARENESS\*\* DUE TO DOMESTIC ARINC SYSTEM CHANGES.  
THE AUTOMATIC RADIO DIAL UP PROCEDURE USED  
BY DISPATCH TO CONNECT DIRECTLY TO AIRCRAFT ON  
PARTICULAR FREQUENCIES HAS BEEN SUSPENDED.

DISPATCH MUST NOW MANUALLY CONNECT THROUGH THE  
RADIO OPERATOR FOR ALL VHF COMM.

THIS MAY CAUSE DELAYS IN ANSWERING  
CREW CALL ME REQUESTS.

ACARS/SATCOM MAY BE MORE EFFECTIVE.

UAL 00113/23  
(23 MAR 23)

#### Single page OFP validation:

\*27 AUG 2013 18:00-01 JUN 2037 00:00\*  
Sabre release only prints Page 1 of the OFP as part of the Release Accept  
process. If needed, full copies of the OFP can be printed separately in  
addition to the full OFP supplied as part of the Briefing Package.

UAL 01420/13  
(15 JAN 22)

#### Confirm Requested Takeoff Data

\*11 MAY 2016 00:00-01 JUN 2037 00:00\*  
Crews are reminded to confirm the requested Takeoff data is correct for the  
Aircraft / Engine Type, Departure City, Runway, and Intersection (if  
applicable). If the returned data is incorrect, Ex: RWY 25R in PHX, instead of  
25R LAX. resubmit request and confirm.

UAL 00891/16  
(02 AUG 16)

#### MINTO fuel and Sabre FPM optimization

\*24 MAY 2011 18:30-01 JUN 2037 00:00\*  
When the Sabre FPM optimizes a route, there may be times when the Redispatch  
MINTO fuel will be greater than the intended destination MINTO fuel.

If on a re-dispatch flight plan, compare fuel at point of take-off to the  
higher MINTO value. If it becomes apparent the aircraft will not arrive at the  
takeoff position with the higher MINTO value, contact Dispatch if you have any  
questions concerning which MINTO is limiting.

UAL 01472/11  
(03 NOV 14)

### AEROPLANE INFORMATION

#### AIRCRAFT CATEGORY = C

N I L

#### AIRCRAFT TYPE = A320

##### Sabre FPM Take-Off Performance

\*23 FEB 2022 00:00-01 JUN 2037 00:00\*  
The Take-Off performance module will not automatically calculate a BLEEDS OFF  
take-off if the airplane is overweight to take-off with BLEEDS ON.

If the ACARS runway data returns an "overweight" message, with associated high  
temperatures, high pressure altitude, etc, re-request Take-off performance data  
with the following manually entered values :

Desired runway

Airplane TOW

BLEEDS OFF

Any other input deemed necessary by the crew (flap setting, winds, etc)

UAL 00648/22  
(23 FEB 22)

#### AIRCRAFT SUBTYPE = 20

N I L

#### AIRCRAFT REGISTRATION = N423UA

##### AMOC/5G NOTAM APPLICABILITY

\*02 AUG 2022 00:00-31 JAN 2025 00:00\*  
This aircraft is equipped with the Honeywell ALA-52B radio altimeter. NOTAMS citing 5G restrictions are not applicable for this aircraft operating in accordance with AMOC 720-23-00087 / ALA-52B - ALL RUNWAYS ARE APPROVED.

UAL 02120/22  
(31 MAR 23)

FLIGHT INFORMATION

UAL430  
N I L

UAL2156  
N I L

SERVICETYPE = J (SCHEDULED)  
N I L

FLIGHT LEG INFORMATION

KDENKONT  
CDRS

\*24 MAR 2022 09:01-15 JUN 2023 09:01\*  
DENONTE1 1000 mi. KDEN EPKEE7 DUUZE NARNE TOADD Q78 MARUE JCKIE2 KONT  
DENONTN1 874 mi. KDEN DDRTH1 DDRTH MTU BAWER Q114 NATEE JCKIE2 KONT  
DENONTS1 796 mi. KDEN SMMUR2 DAAYE PLNDL Q86 TTRUE SCBBY2 KONT  
DENONTW1 739 mi. KDEN CONNR7 WERNR ZAKRY Q114 NATEE JCKIE2 KONT

UAL 01180/22  
(12 APR 23)

KONTKDEN  
N I L

LOAD-INFO

UAL430  
N I L

UAL2156  
N I L

SPECIAL INFO ITEMS

UAL430  
N I L

UAL2156  
N I L

AERODROME INFORMATION

KDEN / DEN

\*13 APR 2023 15:10-21 APR 2023 23:59\*  
DEN TWY EC BTN TWY P AND RWY 17R/35L NORTH EDGE NUMEROUS 4IN CRACKS

RAIM (DEN)

\*13 APR 2023 05:00-14 APR 2023 11:00\*  
B777B787 KDEN RNP: 0.3 OPERATIONS / VALID FM 13/05:00Z TO 14/11:00Z  
GPS COVERAGE ACCEPTABLE FOR THIS OPERATION OVER THE NEXT 30 HOURS  
  
B757B767 KDEN RNP: 0.3 OPERATIONS / VALID FM 13/05:00Z TO 14/11:00Z  
GPS COVERAGE ACCEPTABLE FOR THIS OPERATION OVER THE NEXT 30 HOURS  
  
B737NG KDEN RNP: 0.3 OPERATIONS / VALID FM 13/05:00Z TO 14/11:00Z  
GPS COVERAGE ACCEPTABLE FOR THIS OPERATION OVER THE NEXT 30 HOURS

KDENA3039/23  
(13 APR 23)

UAL 01074/17  
(13 APR 23)

# Official Pilot Briefing

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Creation Time: 13.04.2023 15:40UTC

B737MAX KDEN RNP: 0.3 OPERATIONS / VALID FM 13/05:00Z TO 14/11:00Z GPS COVERAGE ACCEPTABLE FOR THIS OPERATION OVER THE NEXT 30 HOURS	
A319-320 KDEN RNP: 0.3 OPERATIONS / VALID FM 13/05:00Z TO 14/11:00Z GPS COVERAGE ACCEPTABLE FOR THIS OPERATION OVER THE NEXT 30 HOURS	
*13 APR 2023 15:00-01 JUN 2037 00:00* DEN IAP DENVER INTL, DENVER, CO. ILS OR LOC RWY 7, AMDT 3B... MISSED APPROACH: CLIMB TO 5900 THEN CLIMBING RIGHT TURN TO 11000 DIRECT DEN VOR/DME AND ON DEN VOR/DME R-205 TO SIGNE INT/DEN 22.26 DME AND HOLD NE, RT, 205.03 INBOUND, BJC VOR/DME OUT OF SERVICE.	KDENA3018/23 (13 APR 23)
*21 FEB 2023 13:25-01 JUN 2037 00:00* DEN IAP DENVER INTL, DENVER, CO. RNAV (GPS) Y RWY 35L, AMDT 2B... LNAV/VNAV DA 5774/HAT 340 ALL CATS, VISIBILITY RVR 2600 ALL CATS. LNAV MDA 5880/HAT 446 ALL CATS, VISIBILITY CATS C/D RVR 4000. VDP 1.12 NM TO RW35L. TEMPORARY CRANE 5563FT MSL 1838FT NW OFAPCH END RWY 35L (2021-ANM-3494-NRA).	KDENA2991/23 (12 APR 23)
*07 APR 2023 21:39-31 MAY 2023 23:59* DEN RWY 07/25 SAFETY AREA NOT STD N SIDE	KDENA2924/23 (07 APR 23)
*07 APR 2023 14:30-14 APR 2023 23:59* DEN TWY BS BTN GATE B48 AND GATE B54 IRREGULAR SFC	KDENA2921/23 (07 APR 23)
*29 MAR 2023 22:57-30 APR 2023 23:59* DEN TWY EF BTN TWY M AND TWY R8 CLSD TO ACFT WINGSPAN MORE THAN 118FT	KDENA2754/23 (29 MAR 23)
*28 MAR 2023 13:00-01 JUN 2037 00:00* DEN IAP DENVER INTL, DENVER, CO. RNAV (GPS) Y RWY 34L, AMDT 2D... LNAV MDA 5860/HAT 533 ALL CATS. VISIBILITY CAT C/D RVR 5500. TEMPORARY CRANE 4925FT MSL 2.01NM SOUTH OF RWY 34L (2022-ANM-3617-OE).	KDENA2726/23 (28 MAR 23)
*28 MAR 2023 13:00-01 JUN 2037 00:00* DEN IAP DENVER INTL, DENVER, CO. ILS OR LOC RWY 34L, AMDT 2C... S-LOC 34L MDA 5860/HAT 533 ALL CATS. VISIBILITY CAT C/D RVR 5500. TEMPORARY CRANE 4925FT MSL 2.01NM SOUTH OF RWY 34L (2022-ANM-3617-OE).	KDENA2725/23 (28 MAR 23)
*20 MAR 2023 15:30-01 OCT 2023 23:30* DEN OBST CRANE (ASN 2023-ANM-89-NRA) 395159N1044124W (0.8NM WNW DEN) 5430FT (120FT AGL) FLAGGED AND LGTD	KDENA2449/23 (20 MAR 23)
*20 MAR 2023 15:30-01 OCT 2023 23:30* DEN OBST CRANE (ASN 2023-ANM-91-NRA) 395110N1044113W (0.8NM SW DEN) 5401FT (80FT AGL) FLAGGED AND LGTD	KDENA2447/23 (20 MAR 23)
*20 MAR 2023 15:30-01 OCT 2023 23:30* DEN OBST CRANE (ASN 2023-ANM-92-NRA) 395055N1044113W (1.0NM SW DEN) 5423FT (80FT AGL) FLAGGED AND LGTD	KDENA2448/23 (20 MAR 23)
*13 MAR 2023 13:00-01 JUN 2037 00:00* DEN ODP DENVER INTL, DENVER, CO. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 3... TAKE-OFF MINIMUMS RWY 26, STANDARD WITH MINIMUM CLIMB OF 265FT PER NM TO 6000. TEMPORARY CRANE 5837FT MSL 5393FT SOUTH OF RWY 26 (2022-ANM-3832-NRA). ADD TAKEOFF OBSTACLE NOTE: RWY 26, TEMPORARY CRANE 4214FT FROM DER, 741FT LEFT OF CENTERLINE, 150FT AGL/ 5498FT MSL (2022-ANM-1330 THRU 1333-NRA). TAKE-OFF MINIMUMS RWY 25, STANDARD WITH MINIMUM CLIMB OF 290FT PER NM TO 6000. TEMPORARY CRANE 5766FT MSL 1.86NM SOUTHWEST OF RWY 25 (2022-ANM-3905-OE). ALL OTHER DATA REMAINS AS PUBLISHED.	KDENA2241/23 (12 MAR 23)
*13 MAR 2023 13:00-01 JUN 2037 00:00* DEN SID DENVER INTL, DENVER, CO. DENVER TWO DEPARTURE... PIKES TWO DEPARTURE... PLAINS ONE DEPARTURE...	KDENA2240/23 (12 MAR 23)

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ROCKIES FIVE DEPARTURE...  
YELLOWSTONE FOUR DEPARTURE...  
TAKE-OFF MINIMUMS RWY 26, STANDARD WITH MINIMUM CLIMB OF 265FT PER NM TO 6000. TEMPORARY CRANE 5837FT MSL 5393FT SOUTH OF RWY 26 (2022-ANM-3832-NRA)..  
TAKE-OFF MINIMUMS RWY 25, STANDARD WITH MINIMUM CLIMB OF 290FT PER NM TO 6000. TEMPORARY CRANE 5766FT MSL 1.86NM SOUTHWEST OF RWY 25 (2022-ANM-3905-OE).  
ALL OTHER DATA REMAINS AS PUBLISHED.

\*13 MAR 2023 13:00-01 JUN 2037 00:00\*  
DEN SID DENVER INTL, DENVER, CO.  
EPKEE SEVEN DEPARTURE (RNAV)...  
TAKE-OFF MINIMUMS RWY 25, STANDARD WITH MINIMUM CLIMB OF 290FT PER NM TO 6000. TEMPORARY CRANE 5766FT MSL 1.86NM SOUTHWEST OF RWY 25 (2022-ANM-3905-OE).

KDNA2235/23  
(12 MAR 23)

\*13 MAR 2023 13:00-01 JUN 2037 00:00\*  
DEN IAP DENVER INTL, DENVER, CO.  
DIVERSE VECTOR AREA (RADAR VECTORS) ORIG ...  
RWY 26, REQUIRES MINIMUM CLIMB OF 265FT PER NM TO 6000. TEMPORARY CRANE 5837FT MSL 5393FT SOUTH OF RWY 26 (2022-ANM-3832-NRA). RWY 25, REQUIRES MINIMUM CLIMB OF 290FT PER NM TO 6000. TEMPORARY CRANE 5766FT MSL 1.86NM SOUTHWEST OF RWY 25 (2022-ANM-3905-OE)

KDNA2239/23  
(12 MAR 23)

\*13 MAR 2023 14:00-05 JUN 2023 23:00\*  
DEN OBST CRANE (ASN 2022-ANM-3905-OE) 394934N1044543W (4.6NM WSW DEN) 5766FT (425FT AGL) FLAGGED AND LGTD

KDNA2173/23  
(08 MAR 23)

\*13 MAR 2023 12:00-01 OCT 2023 23:59\*  
D)DAILY 1200-2359  
E)DEN OBST CRANE (ASN 2021-ANM-542-NRA) 395118N1043955W (0.6NM SE DEN) 5578FT (200FT AGL) FLAGGED AND LGTD

KDNA2171/23  
(08 MAR 23)

\*21 FEB 2023 13:25-01 JUN 2037 00:00\*  
DEN IAP DENVER INTL, DENVER, CO.  
RNAV (RNP) Z RWY 35L, ORIG-C...  
RNP 0.10 DA 5710/HAT 276 ALL CATS. TEMPORARY CRANE 5563FT MSL 1838FT NW OF APCH END RWY 35L (2021-ANM-3494-NRA).

KDNA1834/23  
(21 FEB 23)

\*21 FEB 2023 13:25-01 JUN 2037 00:00\*  
DEN IAP DENVER INTL, DENVER, CO.  
RNAV (GPS) Y RWY 25, AMDT 1B...  
LNAV/VNAV DA 5774/HAT 419 ALL CATS, VIS RVR 4000 ALL CATS. LNAV MDA 5880/HAT 525 ALL CATS, VIS CATS C/D RVR 5500. VDP: 1.33 NM TO RW25. FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 6000 AND LNAV VISIBILITY TO 1 3/8 SM. TEMPORARY CRANE 5563 MSL 1.02NM SE OF APCH END RWY 25 (2021-ANM-3494-NRA).

KDNA1833/23  
(21 FEB 23)

\*21 FEB 2023 13:25-01 JUN 2037 00:00\*  
DEN IAP DENVER INTL, DENVER, CO.  
ILS OR LOC RWY 35L, AMDT 5B...  
S-LOC 35L MDA 5840/HAT 406. VISIBILITY CAT C/D RVR 4000. VDP AT I-AQD 3.20 DME? DISTANCE VDP TO THLD 1.05 NM. ADD NOTE: FOR INOPERATIVE ALSF, INCREASE S-LOC 35L VISIBILITY CAT C/D TO RVR 6000. TEMPORARY CRANE 5563FT MSL 1838FT NW OF APCH END RWY 35L (2021-ANM-3494-NRA).

KDNA1832/23  
(21 FEB 23)

\*07 FEB 2023 13:18-09 SEP 2023 23:00\*  
DEN OBST CRANE (ASN 2022-ANM-1519-OE) 394927N1044555W (4.8NM WSW DEN) 5546FT (205FT AGL) FLAGGED AND LGTD

KDNA1415/23  
(07 FEB 23)

\*05 FEB 2023 14:00-01 JUN 2037 00:00\*  
DEN IAP DENVER INTL, DENVER, CO.  
ILS OR LOC RWY 8, AMDT 5A...  
S-ILS 8?? DA 5771/HAT 417 ALL CATS. VISIBILITY ALL CATS RVR 4000. S-LOC 8 MDA 5820/HAT 466 ALL CATS. VISIBILITY CATS A/B RVR 4000, CATS C/D RVR 5000. VDP AT I-FUI 1.07 DME? DISTANCE VDP TO THLD 1.24 MILES. DISREGARD NOTE: ?? RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA. CHANGE INOP NOTE TO READ: FOR INOPERATIVE MALSR, INCREASE S-LOC 8 CAT A/B VISIBILITY TO RVR 5500 AND CAT C/D VISIBILITY TO 1 3/8. TEMPORARY CRANES UP TO 5503 MSL BEGINNING 4220FT W OF RWY 8 (2022-ANM-1330 THRU 1333-NRA).

KDNA1369/23  
(04 FEB 23)

\*05 FEB 2023 14:00-01 JUN 2037 00:00\*

KDNA1368/23  
(04 FEB 23)



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DEN IAP DENVER INTL, DENVER, CO. RNAV (GPS) Y RWY 8, AMDT 1C... LPV DA? 5771/HAT 417 ALL CATS. VISIBILITY ALL CATS RVR 4000. LNAV MDA 5820/ HAT 466 ALL CATS, VISIBILITY CATS A/B RVR 4000, CATS C/D RVR 5000. VDP 1.24 NM TO RW08. CHANGE INOP NOTE TO READ: FOR INOPERATIVE MALSR, INCREASE LNAV CAT C/D VISIBILITY TO 1 3/8 SM. DISREGARD NOTE: ?RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA. TEMPORARY CRANES UP TO 5503 MSL BEGINNING 4220FT W OF RWY 8 (2022-ANM-1330 THRU 1333-NRA).	
*01 FEB 2023 21:51-10 NOV 2023 23:00* DEN OBST CRANE (ASN 2022-ANM-1330-NRA) 395232N1044054W (0.9NM NNW DEN) 5497FT (150FT AGL) FLAGGED AND LGTD	KDENA1327/23 (01 FEB 23)
*31 JAN 2023 16:38-06 JUL 2023 23:00* D)DAILY SR-SS E)DEN OBST CRANE (ASN 2022-ANM-139-NRA) 395156N1044047W (0.4NM NW DEN) 5487FT (125FT AGL) FLAGGED AND LGTD	KDENA1263/23 (31 JAN 23)
*26 JAN 2023 20:39-25 APR 2023 23:59* DEN TWY R8 BTN TWY R AND TWY EF CLSD TO ACFT WINGSPAN MORE THAN 135FT	KDENA1052/23 (26 JAN 23)
*13 JAN 2023 14:09-12 AUG 2023 23:59* DEN OBST CRANE (ASN 2022-ANM-3819-NRA) 395112N1043955W (0.6NM SE DEN) 5475FT (100FT AGL) FLAGGED AND LGTD	KDENA0419/23 (13 JAN 23)
*13 JAN 2023 14:01-31 JUL 2023 23:59* DEN OBST CRANE (ASN 2022-ANM-3817-NRA) 395116N1043955W (0.6NM SE DEN) 5470FT (100FT AGL) FLAGGED AND LGTD	KDENA0418/23 (13 JAN 23)
*19 DEC 2022 13:18-01 JUN 2037 00:00* DEN IAP DENVER INTL, DENVER, CO. RNAV (GPS) Y RWY 17R, AMDT 1C... LPV DA 5742/HAT 350 ALL CATS, VISIBILITY ALL CATS RVR 3000. CHANGE NOTE TO READ: FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO RVR 5500, LNAV/VNAV ALL CATS VISIBILITY TO 1 1/2MILE AND LNAV CAT C/D TO 1 1/2 MILE. TEMPORARY CRANE 5602 MSL 1501FT SW OF RWY 17R (2022-ANM-3832-NRA).	KDENA0213/22 (19 DEC 22)
*19 DEC 2022 13:11-01 JUN 2037 00:00* DEN IAP DENVER INTL, DENVER, CO. ILS OR LOC RWY 17R, AMDT 3B... S-ILS 17R, DA 5719/HAT 327 ALL CATS, VISIBILITY ALL CATS RVR 2600. S-LOC 17R, MDA 5880/HAT 488 ALL CATS, VISIBILITY CATS C/D RVR 5000. VDP AT I-ACX 1.18 DME? DISTANCE TO THLD 1.35NM. FOR INOPALS, INCREASE S-ILS 17R VISIBILITY ALL CATS TO RVR 5000 AND S-LOC 17R CATS C/D VISIBILITY TO 1 3/8 SM. TEMPORARY CRANE 5602 MSL 1501FT SW OF RWY 17R (2022-ANM-3832-NRA).	KDENA0211/22 (19 DEC 22)
*19 DEC 2022 13:09-01 JUN 2037 00:00* DEN IAP DENVER INTL, DENVER, CO. RNAV (RNP) Z RWY 17R, ORIG-C... RNP 0.10 DA 5776/HAT 384 ALL CATS. VISIBILITY ALL CATS RVR 4000. FOR INOPERATIVE MALSR, INCREASE RNP 0.10 ALL CATS VISIBILITY TO 1 3/8 MILE AND RNP 0.30 ALL CATS VISIBILITY TO 1 5/8 MILE. TEMPORARY CRANE 5602 MSL 1501FT SW OF RWY 17R (2022-ANM-3832-NRA).	KDENA0210/22 (19 DEC 22)
*09 DEC 2022 21:02-01 SEP 2023 23:59* DEN OBST CRANE (ASN 2022-ANM-165-NRA) 395122N1044222W (1.5NM WSW DEN) 5382FT (80FT AGL) FLAGGED AND LGTD	KDENA9881/22 (09 DEC 22)
*04 NOV 2022 14:30-15 MAY 2023 14:30* DEN STAR DENVER INTL, DENVER, CO. LONGZ TWO ARR (RNAV) LBERT TRANSITION NA.	KDENA9007/22 (04 NOV 22)
*18 OCT 2022 13:08-01 JUN 2037 00:00* NDB IHS/IRONHORSE 335KHZ U/S	KDENA8638/22 (18 OCT 22)
*01 JUL 2022 04:01-01 JUL 2024 04:01* AP RDO ALTIMETER UNREL. AUTOLAND, HUD TO TOUCHDOWN, ENHANCED FLT VISION SYSTEMS TO TOUCHDOWN, HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE HOVER AUTOPILOT MODES AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVES 2021-23-12, 2021-23-13	KDENA5877/22 (24 JUN 22)

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*01 JUL 2022 04:01-01 JUN 2037 00:00* ILS RWY 34L (SA CAT I), AMDT 2C ... ILS RWY 34R (SA CAT I), AMDT 3A ... ILS RWY 35L (SA CAT I), AMDT 5B ... ILS RWY 35R (SA CAT I), AMDT 3A ... ILS RWY 34L (CAT II - III), AMDT 2C ... ILS RWY 34R (CAT II - III), AMDT 3A ... ILS RWY 35L (CAT II - III), AMDT 5B ... ILS RWY 35R (CAT II - III), AMDT 3A ... PROCEDURE NA EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVES 2021-23-12, 2021-23-13	KDNA5876/22 (24 JUN 22)
*18 AUG 2021 18:20-01 JUN 2037 00:00* ILS OR LOC RWY 35L, AMDT 5B... S-LOC 35L MDA 5780/HAT 346 ALL CATS.	KDNA6486/21 (18 AUG 21)

**KONT / ONT  
RAIM (ONT)**

*13 APR 2023 05:00-14 APR 2023 11:00* B777B787 KONT RNP: 0.3 OPERATIONS / VALID FM 13/05:00Z TO 14/11:00Z GPS COVERAGE ACCEPTABLE FOR THIS OPERATION OVER THE NEXT 30 HOURS  B757B767 KONT RNP: 0.3 OPERATIONS / VALID FM 13/05:00Z TO 14/11:00Z GPS COVERAGE ACCEPTABLE FOR THIS OPERATION OVER THE NEXT 30 HOURS  B737NG KONT RNP: 0.3 OPERATIONS / VALID FM 13/05:00Z TO 14/11:00Z GPS COVERAGE ACCEPTABLE FOR THIS OPERATION OVER THE NEXT 30 HOURS  B737MAX KONT RNP: 0.3 OPERATIONS / VALID FM 13/05:00Z TO 14/11:00Z GPS COVERAGE ACCEPTABLE FOR THIS OPERATION OVER THE NEXT 30 HOURS  A319-320 KONT RNP: 0.3 OPERATIONS / VALID FM 13/05:00Z TO 14/11:00Z GPS COVERAGE ACCEPTABLE FOR THIS OPERATION OVER THE NEXT 30 HOURS	UAL 00501/18 (13 APR 23)
<b>RAIM A319 A320 B737NG B737MAX B757 B767 B777 B787</b> *12 APR 2023 22:39-13 APR 2023 22:39* RAIM PREDICTION NEXT 24H FROM 2023-04-12 22:39Z  -----KONT----- KONT RNP Approach (0.3 NM) A319-320 ACCEPTABLE KONT RNP Approach (0.3 NM) B737MAX ACCEPTABLE KONT RNP Approach (0.3 NM) B737NG ACCEPTABLE KONT RNP Approach (0.3 NM) B757B767 ACCEPTABLE KONT RNP Approach (0.3 NM) B777B787 ACCEPTABLE	UAL 00513/23 (12 APR 23)
*12 APR 2023 14:03-01 JUN 2037 00:00* ONT IAP ONTARIO INTL, ONTARIO, CA. ILS OR LOC RWY 26R, AMDT 5A... S-ILS 26R DA 1186/HAT 254. DISREGARD ??RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA. NOTE: RWY 26R HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.	KONTA0645/23 (12 APR 23)
*12 APR 2023 13:55-01 JUN 2037 00:00* ONT IAP ONTARIO INTL, ONTARIO, CA. RNAV (GPS) Y RWY 26L, AMDT 2A... LNAV/VNAV DA 1267/HAT 341.	KONTA0643/23 (12 APR 23)
*12 APR 2023 13:55-01 JUN 2037 00:00* ONT IAP ONTARIO INTL, ONTARIO, CA. RNAV (GPS) Y RWY 26R, AMDT 2... LPV DA 1182/HAT 250. NOTE: RWY 26R HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.	KONTA0642/23 (12 APR 23)
*05 APR 2023 03:42-01 JUN 2037 00:00* ONT IAP ONTARIO INTL, ONTARIO, CA. ILS OR LOC RWY 26L, AMDT 8C? ILS RWY 26L (CAT II / III), AMDT 8C... MISSED APPROACH: CLIMB TO 2200 THEN CLIMBING LEFT TURN TO 4400 DIRECT PDZ VORTAC AND HOLD.	KONTA0590/23 (05 APR 23)

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*31 MAR 2023 16:24-17 MAY 2023 07:00* ONT OBST CRANE (ASN UNKNOWN) 340700N1175959W (1.7NM N ONT) UNKNOWN (120FT AGL) LGTD	KONTA0577/23 (31 MAR 23)
*23 MAR 2023 20:43-21 APR 2023 23:59* ONT NAV ILS RWY 26R U/S	KONTA0536/23 (23 MAR 23)
*23 MAR 2023 20:42-21 APR 2023 23:59* ONT NAV ILS RWY 08L U/S	KONTA0535/23 (23 MAR 23)
*15 MAR 2023 20:22-01 JUN 2037 00:00* ONT CHART ONTARIO INTL, ONTARIO, CA. ILS OR LOC RWY 26R, AMDT 5A... CORRECT PLANVIEW: CHANGE TEXT TO READ PETIS INT I-ONT 13 DME INSTEAD OF PETIS INT I-TWO 13 DME.	KONTA0496/23 (15 MAR 23)
*09 MAR 2023 18:28-17 APR 2023 23:00* ONT RWY 08L/26R CLSD	*KONTA0475/23 (09 MAR 23)
*06 MAR 2023 16:56-01 JUN 2037 00:00* ONT IAP ONTARIO INTL, ONTARIO, CA. RNAV (GPS) Y RWY 26L, AMDT 2A... RNAV (GPS) Y RWY 26R, AMDT 2... RNAV (GPS) Y RWY 8R, AMDT 2... CIRCLING CAT A/B MDA 1460/ HAA 516. TEMPORARY CRANE 1091 MSL 1.7NM SE OF ONT AIRPORT (2022-AWP-7257-OE).	KONTA0459/23 (06 MAR 23)
*06 MAR 2023 16:56-01 JUN 2037 00:00* ONT IAP ONTARIO INTL, ONTARIO, CA. RNAV (RNP) Z RWY 26L, AMDT 3... RNP 0.30 DA 1390/HAT 464 ALL CATS, VIS ALL CATS RVR 5000. TEMPORARY CRANE 1091 MSL 5343FT SE OF RWY 26L (2022-AWP-7257-OE).	KONTA0458/23 (06 MAR 23)
*06 MAR 2023 16:56-01 JUN 2037 00:00* ONT IAP ONTARIO INTL, ONTARIO, CA. RNAV (RNP) Z RWY 26R, AMDT 3... RNP 0.30 DA 1390/HAT 458 ALL CATS, VIS ALL CATS RVR 5000. TEMPORARY CRANE 1091 MSL 5786FT SE OF RWY 26R (2022-AWP-7257-OE).	KONTA0457/23 (06 MAR 23)
*06 MAR 2023 12:25-01 JUN 2037 00:00* ONT IAP ONTARIO INTL, ONTARIO, CA. RNAV (RNP) Z RWY 8R, ORIG... RNP 0.30 DA 1413/ HAT 477 ALL CATS. TEMPORARY CRANE 1213 MSL 2237FT NW OF RWY 8R (2019-AWP-838-NRA).	KONTA0453/23 (06 MAR 23)
*06 MAR 2023 12:25-01 JUN 2037 00:00* ONT IAP ONTARIO INTL, ONTARIO, CA. ILS OR LOC RWY 8L, AMDT 9B... S-ILS 8L DA 1350/ HAT 406 ALL CATS, VISIBILITY ALL CATS RVR 4000. CIRCLING CAT A/B MDA 1460/ HAA 516. DISREGARD NOTE: ?RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA. TEMPORARY CRANE 1213 MSL 1743FT NE OF RWY 8L (2019-AWP-838-NRA), TEMPORARY CRANE 1091 MSL 1.74NM SE ONT AIRPORT (2022-AWP-7257-OE).	KONTA0452/23 (06 MAR 23)
*06 MAR 2023 12:25-01 JUN 2037 00:00* ONT IAP ONTARIO INTL, ONTARIO, CA. RNAV (GPS) Y RWY 8R, AMDT 2... LNAV MDA 1520/ HAT 584 ALL CATS, VISIBILITY CAT C/D 1 3/4. CIRCLING CAT A/B MDA 1520/ HAA 576. VDP 1.62 NM TO RW8R. TEMPORARY CRANE 1213 MSL 2237FT NW OF RWY 8R (2019-AWP-838-NRA).	KONTA0451/23 (06 MAR 23)
*06 MAR 2023 12:25-01 JUN 2037 00:00* ONT IAP ONTARIO INTL, ONTARIO, CA. RNAV (GPS) Y RWY 8L, AMDT 1D... LPV DA 1350/ HAT 406 ALL CATS, VISIBILITY ALL CATS RVR 4000. LNAV MDA 1520/ HAT 576 ALL CATS, VISIBILITY CAT C/D RVR 6000. CIRCLING CAT A/B MDA 1520/ HAA 576. VDP 1.65 NM TO RW8L. TEMPORARY CRANE 1213 MSL 1743FT NE OF RWY 8L (2019-AWP-838-NRA).	KONTA0450/23 (06 MAR 23)
*21 FEB 2023 16:04-04 JUL 2023 23:59* ONT TWY P BTN RWY 08L/26R AND TWY N1 CLSD	KONTA0394/23 (21 FEB 23)
*21 FEB 2023 15:52-04 JUL 2023 23:59* ONT TWY L CLSD	KONTA0391/23 (21 FEB 23)
*21 FEB 2023 15:39-04 JUL 2023 23:59* ONT TWY N BTN TWY K AND TWY R CLSD	KONTA0390/23 (21 FEB 23)

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*02 FEB 2023 17:30-02 FEB 2024 17:29* ONT STAR ONTARIO INTL AIRPORT, ONTARIO, CA. GLRNO TWO ARRIVAL (RNAV)...ARRIVAL PROCEDURE NA	KONTA0275/23 (02 FEB 23)
*09 JAN 2023 15:00-28 APR 2023 21:00* ONT RWY 26R ALS U/S	KONTA0071/23 (09 JAN 23)
<b>Special PIC Qualification Airports (14 CFR 121.445)</b>	
*19 FEB 2021 03:00-19 FEB 2025 23:59* Ontario, CA KONT Mountainous terrain. 6/20/1990	UAL 00474/21 (05 OCT 22)
*09 MAY 2022 12:11-01 JUN 2037 00:00* /RAL/ VOR 255-265 UNUSABLE	KONTA1006/22 (09 MAY 22)
*19 JAN 2022 05:01-19 JAN 2024 05:01* AP RDO ALTIMETER UNREL. AUTOLAND, HUD TO TOUCHDOWN, ENHANCED FLT VISION SYSTEMS TO TOUCHDOWN, HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE HOVER AUTOPILOT MODES AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVES 2021-23-12, 2021-23-13 SFC/UNL	KONTA0050/22 (13 JAN 22)
*19 JAN 2022 05:00-01 JUN 2037 00:00* ILS RWY 26L (CAT II - III), AMDT 8C ... PROCEDURE NA EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVES 2021-23-12, 2021-23-13	KONTA0049/22 (13 JAN 22)

## KLAX / LAX

*13 APR 2023 12:14-01 JUN 2037 00:00* LAX ODP LOS ANGELES INTL, LOS ANGELES, CA. DIVERSE VECTOR AREA (RADAR VECTORS), AMDT 6 ... RWY 6 L/R, REQUIRES MINIMUM CLIMB OF 311FT PER NM TO 500. TEMPORARY CRANE 295 MSL 5659 FT SE OF RWY 24L (2022-AWP-12235-OE). ALL OTHER DATA REMAINS AS PUBLISHED	KLAXA1971/23 (13 APR 23)
*13 APR 2023 12:14-01 JUN 2037 00:00* LAX IAP LOS ANGELES INTL, LOS ANGELES, CA. RNAV (GPS) Y RWY 24L, AMDT 5C... LPV? DA 476/ HAT 353 ALL CATS, VISIBILITY ALL CATS RVR 4000. LNAV MDA, 560/ HAT 437 ALL CATS. VISIBILITY ALL CATS RVR 4000. DISREGARD NOTE: ?RVR 1800 AUTHORIZED WITH USE OF FD ORAP OR HUD TO DA. CHANGE NOTE TO READ: FOR INOP ALS INCREASE LPV VISIBILITY TO RVR 5500, LNAV/VNAV VISIBILITY ALL CATS TO 1 3/8 SM, AND LNAV VISIBILITY CATS A/B TO RVR 5500. TEMPORARY CRANE 249 MSL 3849FT E OF RWY 24L (2022-AWP-286-NRA), TEMPORARY CRANES UP TO 250 MSL BEGINNING 1.1NM E OF RWY 24L (2022-AWP-299/300/301-NRA), TEMPORARY CRANE 248 MSL 5612FT E OF RWY 24L (2021-AWP-523-OE), TEMPORARY CRANES 252 MSL BEGINNING 5971FT E OF RWY 24L (2022-AWP-10232/10233-OE), TEMPORARY CRANES UP TO 302 MSL BEGINNING 1.1NM E OF RWY 24L (2022-AWP-15384/15385/15386/15387-OE). TEMPORARY CRANES 255 MSL BEGINNING 3273FT E OF RWY 24L (2021-AWP-4524 THRU 4542-NRA), TEMPORARY CRANE 295 MSL 5659FT SE OF RWY 24L (2022-AWP-12235-OE).	KLAXA1972/23 (13 APR 23)
*13 APR 2023 12:14-01 JUN 2037 00:00* LAX IAP LOS ANGELES INTL, LOS ANGELES, CA. ILS OR LOC RWY 24R, AMDT 26B... S-LOC 24R MDA 560/ HAT 438 ALL CATS, VISIBILITY CAT C/D RVR 4000. SIDESTEP 24L MDA 560/ HAT 437 ALL CATS. VDP AT I-OSS 3.08 DME? DISTANCE VDP TO THLD 1.14NM. TEMPORARY CRANES UPTO 250 MSL BEGINNING 1.2NM E OF RWY 24R (2022-AWP-299/300/301-NRA), TEMPORARY CRANES 239 MSL BEGINNING 1.1NM E OF RWY 24R (2022-AWP-12021/12022-OE), TEMPORARY CRANES 237 MSL BEGINNING 1.1NM E OF RWY 24R (2022-AWP-10209/10210-OE),	KLAXA1968/23 (13 APR 23)

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TEMPORARY CRANE 250 MSL 1.2NM E OF RWY 24R (2022-AWP-12035-OE),  
TEMPORARY CRANES 252 MSL BEGINNING 5971FT E OF RWY 24L  
(2022-AWP-10232/10233-OE),  
TEMPORARY CRANES UP TO 302 MSL BEGINNING 1.2NM E OF RWY 24R  
(2022-AWP-15384/15385/15386/15387-OE),  
TEMPORARY CRANE 295 MSL 5866FT SE OF RWY 24R (2022-AWP-12235-OE).

\*13 APR 2023 12:14-01 JUN 2037 00:00\*  
LAX IAP LOS ANGELES INTL, LOS ANGELES, CA.  
ILS OR LOC RWY 24L, AMDT 27D...  
S-ILS 24L? DA 476/ HAT 353 ALL CATS, VISIBILITY ALL CATS RVR 4000.  
S-LOC 24L MDA 560/ HAT 437 ALL CATS. VISIBILITY ALL CATS RVR 4000.  
SIDESTEP 24R MDA 560/ HAT 438 ALL CATS.  
VDPNA. DISREGARD NOTE: ?RVR 1800 AUTHORIZED WITH USE OF FD OR AP  
OR HUD TO DA.  
CHANGE NOTE TO READ: FOR INOP ALS INCREASE S-ILS 24L ALL CATS  
VISIBILITY TO RVR 5500, AND S-LOC 24L CATS A/B VISIBILITY TO RVR  
5500.  
TEMPORARY CRANE 249 MSL 3849FT E OF RWY 24L (2022-AWP-286-NRA),  
TEMPORARY CRANES UP TO 250 MSL BEGINNING 1.1NM E OF RWY 24L  
(2022-AWP-299/300/301-NRA),  
TEMPORARY CRANE 248 MSL 5612FT E OF RWY 24L (2021-AWP-523-OE),  
TEMPORARY CRANES 252 MSL BEGINNING 5971FT E OF RWY 24L  
(2022-AWP-10232/10233-OE), TEMPORARY CRANES UP TO 302 MSL BEGINNING 1.1NM E OF  
RWY 24L  
(2022-AWP-15384/15385/15386/15387-OE).  
TEMPORARY CRANES 255 MSL BEGINNING 3273FT E OF RWY 24L  
(2021-AWP-4524 THRU 4542-NRA),  
TEMPORARY CRANE 295 MSL 5659FT SE OF RWY 24L (2022-AWP-12235-OE).

KLAXA1964/23  
(13 APR 23)

## RAIM (LAX)

\*13 APR 2023 05:00-14 APR 2023 11:00\*  
B777B787 KLAX RNP: 0.1 OPERATIONS / VALID FM 13/05:00Z TO 14/11:00Z  
GPS COVERAGE ACCEPTABLE FOR THIS OPERATION OVER THE NEXT 30 HOURS  
  
B737NG KLAX RNP: 0.1 OPERATIONS / VALID FM 13/05:00Z TO 14/11:00Z  
GPS COVERAGE ACCEPTABLE FOR THIS OPERATION OVER THE NEXT 30 HOURS  
  
B777B787 KLAX RNP: 0.12 OPERATIONS / VALID FM 13/05:00Z TO 14/11:00Z  
GPS COVERAGE ACCEPTABLE FOR THIS OPERATION OVER THE NEXT 30 HOURS  
  
B757B767 KLAX RNP: 0.15 OPERATIONS / VALID FM 13/05:00Z TO 14/11:00Z  
GPS COVERAGE ACCEPTABLE FOR THIS OPERATION OVER THE NEXT 30 HOURS  
  
B777B787 KLAX RNP: 0.17 OPERATIONS / VALID FM 13/05:00Z TO 14/11:00Z  
GPS COVERAGE ACCEPTABLE FOR THIS OPERATION OVER THE NEXT 30 HOURS  
  
B777B787 KLAX RNP: 0.3 OPERATIONS / VALID FM 13/05:00Z TO 14/11:00Z  
GPS COVERAGE ACCEPTABLE FOR THIS OPERATION OVER THE NEXT 30 HOURS  
  
B757B767 KLAX RNP: 0.3 OPERATIONS / VALID FM 13/05:00Z TO 14/11:00Z  
GPS COVERAGE ACCEPTABLE FOR THIS OPERATION OVER THE NEXT 30 HOURS  
  
B737NG KLAX RNP: 0.3 OPERATIONS / VALID FM 13/05:00Z TO 14/11:00Z  
GPS COVERAGE ACCEPTABLE FOR THIS OPERATION OVER THE NEXT 30 HOURS  
  
B737MAX KLAX RNP: 0.3 OPERATIONS / VALID FM 13/05:00Z TO 14/11:00Z  
GPS COVERAGE ACCEPTABLE FOR THIS OPERATION OVER THE NEXT 30 HOURS  
  
A319-320 KLAX RNP: 0.3 OPERATIONS / VALID FM 13/05:00Z TO 14/11:00Z  
GPS COVERAGE ACCEPTABLE FOR THIS OPERATION OVER THE NEXT 30 HOURS

UAL 01918/13  
(13 APR 23)

\*13 APR 2023 02:48-14 APR 2023 02:48\*  
LAX RWY 25L FICON 5/5/5 100 PCT WET OBS AT 2304130248.

KLAXA1955/23  
(13 APR 23)

\*13 APR 2023 02:47-14 APR 2023 02:47\*  
LAX RWY 25R FICON 5/5/5 100 PCT WET OBS AT 2304130247.

KLAXA1954/23  
(13 APR 23)

\*13 APR 2023 02:46-14 APR 2023 02:46\*  
LAX RWY 24L FICON 5/5/5 100 PCT WET OBS AT 2304130246.

KLAXA1953/23  
(13 APR 23)

\*13 APR 2023 02:46-14 APR 2023 02:46\*  
LAX RWY 24R FICON 5/5/5 100 PCT WET OBS AT 2304130246.

KLAXA1952/23  
(13 APR 23)

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*09 APR 2023 04:09-01 JUN 2037 00:00* LAX RWY 24R PAPI U/S	KLAXA1863/23 (09 APR 23)
*13 APR 2023 13:00-21 APR 2023 21:30* OBST CRANE (ASN 2022-AWP-12238-OE) 335651N 1182259W (1.3 NM ENE LAX) 292 FT AMSL (197 FT AGL) FLAGGED AND LGTD.	KLAXA1846/23 (07 APR 23)
*13 APR 2023 13:00-21 APR 2023 21:30* OBST CRANE (ASN 2022-AWP-12237-OE) 335651N 1182249W (1.4 NM ENE LAX) 291 FT AMSL (197 FT AGL) FLAGGED AND LGTD.	KLAXA1845/23 (07 APR 23)
*13 APR 2023 13:00-21 APR 2023 21:30* OBST CRANE (ASN 2022-AWP-12236-OE) 335654N 1182249W (1.4 NM ENE LAX) 291 FT AMSL (197 FT AGL) FLAGGED AND LGTD.	KLAXA1844/23 (07 APR 23)
*13 APR 2023 13:00-21 APR 2023 21:30* OBST CRANE (ASN 2022-AWP-12235-OE) 335654N 1182259W (1.3 NM ENE LAX) 295 FT AMSL (197 FT AGL) FLAGGED AND LGTD.	KLAXA1843/23 (07 APR 23)
*01 APR 2023 13:58-01 MAY 2023 22:00* LAX TWY Z IN PAVEMENT RWY GUARD LGT BTN RWY 06R/24L AND TWY E NOT STD	KLAXA1717/23 (01 APR 23)
*30 MAR 2023 07:39-27 MAY 2023 06:59* LAX TWY K BTN TWY D AND TWY E WIP CONST ADJ EAST SHOULDER LGTD AND BARRICADED	KLAXA1676/23 (30 MAR 23)
*30 MAR 2023 07:37-27 MAY 2023 06:59* LAX TWY D10 BTN TWY D AND TWY E WIP CONST ADJ WEST SHOULDER LGTD AND BARRICADED	KLAXA1675/23 (30 MAR 23)
*30 MAR 2023 07:01-27 MAY 2023 06:59* LAX TWY D BTN TWY K AND TWY D10 CLSD	KLAXA1663/23 (29 MAR 23)
*01 APR 2023 12:00-29 APR 2023 23:00* OBST CRANE (ASN 2022-AWP-3570-NRA) 335650N1182240W (1.5NM E LAX) 217FT (120FT AGL) FLAGGED AND LGTD DLY 1200-2300	KLAXA1613/23 (28 MAR 23)
*27 MAR 2023 13:36-01 JUN 2037 00:00* LAX IAP LOS ANGELES INTL, LOS ANGELES, CA. ILS OR LOC RWY 24L, AMDT 27D... ILS OR LOC RWY 24R, AMDT 26B... ILS RWY 24R (CAT II - III), AMDT 26B... DME REQUIRED EXCEPT FOR ACFT EQUIPPED WITH SUITABLE RNAV SYSTEM WITH GPS, FIM VOR OUT OF SERVICE.	KLAXA1594/23 (27 MAR 23)
*10 MAR 2023 14:37-01 JUN 2037 00:00* LAX IAP LOS ANGELES INTL, LOS ANGELES, CA. ILS OR LOC RWY 25L, AMDT 14D... S-LOC 25L MDA 620/HAT 516 ALL CATS, VIS CAT C/D RVR 5000. SIDESTEP 25R MDA 620/HAT 516 ALL CATS. VDP NA. TEMPORARY CRANE 310 MSL 2.0NM NE OF RWY 25L (2022-AWP-22613-OE).	KLAXA1230/23 (10 MAR 23)
*03 MAR 2023 14:00-03 JUN 2023 01:00* LAX OBST CRANE (ASN 2022-AWP-4561-NRA) 335624N1182423W (0.2NM SSE LAX) 303FT (180FT AGL) FLAGGED AND LGTD DLY 1400-0100	KLAXA1102/23 (02 MAR 23)
*03 FEB 2023 17:24-01 JUN 2037 00:00* LAX IAP LOS ANGELES INTL, LOS ANGELES, CA. RNAV (RNP) Z RWY 24L, AMDT 2B... RNP 0.30 DA 620/ HAT 497 ALL CATS. TEMPORARY CRANES UP TO 250 MSL BEGINNING 1.1NM E OF RWY 24L (2022-AWP-299/300/301-NRA), TEMPORARY CRANES UP TO 302 MSL BEGINNING 1.1NM E OF RWY24L (2022-AWP-15384/15385/15386/15387-OE).	KLAXA0640/23 (03 FEB 23)
*03 FEB 2023 17:24-01 JUN 2037 00:00* LAX IAP LOS ANGELES INTL, LOS ANGELES, CA. RNAV (RNP) Z RWY 24R, AMDT 1D... RNP 0.15 DA 531/ HAT 409 ALL CATS, VISIBILITY ALL CATS RVR 5000. RNP 0.30 DA 593/HAT 471 ALL CATS. TEMPORARY CRANE 248 MSL 5792FT E OF RWY 24R (2021-AWP-523-OE), TEMPORARY CRANESUP TO 302 MSL BEGINNING 1.2NM E OF RWY 24R (2022-AWP-15384/15385/15386/15387-OE).	KLAXA0639/23 (03 FEB 23)
*06 FEB 2023 14:00-12 MAY 2023 23:59* D)MON-SAT 1400-2359 E)OBST CRANE (ASN 2022-AWP-15385-OE) 335703N1182241W (1.6NM ENE LAX) 300FT (200FT AGL) FLAGGED AND LGTD	KLAXA0629/23 (03 FEB 23)

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*06 FEB 2023 14:00-12 MAY 2023 23:59* D)MON-SAT 1400-2359 E)LAX OBST CRANE (ASN 2022-AWP-15386-OE) 335658N1182244W (1.5NM ENE LAX) 300FT (200FT AGL) FLAGGED AND LGTD	KLAXA0628/23 (03 FEB 23)
*06 FEB 2023 14:00-12 MAY 2023 23:59* D)MON-SAT 1400-2359 E)LAX OBST CRANE (ASN 2022-AWP-15387-OE) 335658N1182241W (1.5NM ENE LAX) 300FT (200FT AGL) FLAGGED AND LGTD	KLAXA0627/23 (03 FEB 23)
*06 FEB 2023 14:00-12 MAY 2023 23:59* D)MON-SAT 1400-2359 E)LAX OBST CRANE (ASN 2022-AWP-15384-OE) 335703N1182244W (1.5NM ENE LAX) 302FT (200FT AGL) FLAGGED AND LGTD	KLAXA0626/23 (03 FEB 23)
*31 JAN 2023 18:05-01 JUN 2037 00:00* LAX IAP LOS ANGELES INTL, LOS ANGELES, CA. RNAV (RNP) Z RWY 7L, AMDT 1... RNP 0.30 DA 490/HAT 362 ALL CATS. TEMPORARY CRANE 245 MSL 3954FT S OF RWY 7L (2021-AWP-10744-OE).	KLAXA0544/23 (31 JAN 23)
<b>KLAX/LAX TAXIWAY CHARLIE-3 TO MAINTENANCE RAMP.</b>	
*05 JAN 2023 00:00-06 JUL 2023 00:00* **Crew awreness** TAXIWAY CHARLIE-3 REALIGNED WITH SLIGHT JOG ON TO MAINTENANCE RAMP DUE WIP. AAM TO BE REVISED WITH PARKING SPOT DATA.	UAL 00016/23 (05 JAN 23)
*15 NOV 2022 18:16-12 SEP 2023 06:59* LAX OBST CRANE (ASN 2022-AWP-294-NRA) 335659N1182304W (1.2NM ENE LAX) 250FT (150FT AGL) FLAGGED AND LGTD	KLAXA4732/22 (15 NOV 22)
*15 NOV 2022 18:07-12 SEP 2023 06:59* LAX OBST CRANE (ASN 2022-AWP-291-NRA) 335709N1182300W (1.4NM ENE LAX) 252FT (150FT AGL) FLAGGED AND LGTD	KLAXA4728/22 (15 NOV 22)
*15 NOV 2022 18:07-12 SEP 2023 06:59* LAX OBST CRANE (ASN 2022-AWP-290-NRA) 335709N1182306W (1.3NM ENE LAX) 253FT (150FT AGL) FLAGGED AND LGTD	KLAXA4727/22 (15 NOV 22)
*15 NOV 2022 18:05-12 SEP 2023 06:59* LAX OBST CRANE (ASN 2022-AWP-293-NRA) 335659N1182301W (1.3NM ENE LAX) 249FT (150FT AGL) FLAGGED AND LGTD	KLAXA4726/22 (15 NOV 22)
*15 NOV 2022 18:04-12 SEP 2023 06:59* LAX OBST CRANE (ASN 2022-AWP-292-NRA) 335659N1182306W (1.2NM ENE LAX) 252FT (150FT AGL) FLAGGED AND LGTD	KLAXA4725/22 (15 NOV 22)
*18 OCT 2022 18:37-01 JAN 2024 07:59* CRANE (ASN 2021-AWP-3315-NRA) 335623N1182425W (0.2NM SSE LAX) 270FT (150FT AGL) FLAGGED AND LGTD	KLAXA4272/22 (18 OCT 22)
*18 OCT 2022 18:34-01 JAN 2024 07:59* CRANE (ASN 2022-AWP-929-NRA) 335624N1182424W (0.2NM SSE LAX) 263FT (150FT AGL) FLAGGED AND LGTD	KLAXA4271/22 (18 OCT 22)
*04 OCT 2022 16:14-13 SEP 2023 19:00* CRANE (ASN 2022-AWP-289-NRA) 335656N1182305W (1.2NM ENE LAX) 250FT (150FT AGL) FLAGGED AND LGTD	KLAXA4083/22 (04 OCT 22)
*04 OCT 2022 16:13-13 SEP 2023 19:00* CRANE (ASN 2022-AWP-288-NRA) 335659N1182304W (1.2NM ENE LAX) 252FT (150FT AGL) FLAGGED AND LGTD	KLAXA4082/22 (04 OCT 22)
*04 OCT 2022 16:13-13 SEP 2023 19:00* CRANE (ASN 2022-AWP-287-NRA) 335656N1182319W (1.0NM ENE LAX) 251FT (150FT AGL) FLAGGED AND LGTD	KLAXA4081/22 (04 OCT 22)
*04 OCT 2022 16:12-13 SEP 2023 19:00* CRANE (ASN 2022-AWP-286-NRA) 335659N1182319W (1.0NM ENE LAX) 249FT (150FT AGL) FLAGGED AND LGTD	KLAXA4080/22 (04 OCT 22)
*08 AUG 2022 13:00-22 DEC 2023 23:00* D)MON-FRI 1300-2300 E)CRANE (ASN 2022-AWP-12035-OE) 335705N1182238W (1.6NM ENE LAX) 250FT (150FT AGL) FLAGGED AND LGTD	KLAXA2956/22 (05 AUG 22)

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*08 AUG 2022 13:00-22 DEC 2023 23:00* D)MON-FRI 1300-2300 E)CRANE (ASN 2022-AWP-12036-OE) 335656N1182246W (1.5NM ENE LAX) 250FT (150FT AGL) FLAGGED AND LGTD	KLAXA2957/22 (05 AUG 22)
*08 AUG 2022 13:00-22 DEC 2023 23:00* D)MON-FRI 1300-2300 E)CRANE (ASN 2022-AWP-10233-OE) 335656N1182238W (1.6NM ENE LAX) 252FT (150FT AGL) FLAGGED AND LGTD	KLAXA2955/22 (05 AUG 22)
*08 AUG 2022 13:00-22 DEC 2023 23:00* D)MON-FRI 1300-2300 E)CRANE (ASN 2022-AWP-10232-OE) 335705N1182246W (1.5NM ENE LAX) 252FT (150FT AGL) FLAGGED AND LGTD	KLAXA2954/22 (05 AUG 22)
*08 AUG 2022 13:00-22 DEC 2023 23:00* D)MON-FRI 1300-2300 E)CRANE (ASN 2022-AWP-12022-OE) 335705N1182246W (1.5NM ENE LAX) 239FT (137FT AGL) FLAGGED AND LGTD	KLAXA2953/22 (05 AUG 22)
*08 AUG 2022 13:00-22 DEC 2023 23:00* D)MON-FRI 1300-2300 E)CRANE (ASN 2022-AWP-12021-OE) 335710N1182238W (1.6NM ENE LAX) 239FT (137FT AGL) FLAGGED AND LGTD	KLAXA2952/22 (05 AUG 22)
*08 AUG 2022 13:00-22 DEC 2023 23:00* D)MON-FRI 1300-2300 E)CRANE (ASN 2022-AWP-10209-OE) 335710N1182246W (1.5NM ENE LAX) 237FT (137FT AGL) FLAGGED AND LGTD	KLAXA2950/22 (05 AUG 22)
*08 AUG 2022 13:00-22 DEC 2023 23:00* D)MON-FRI 1300-2300 E)CRANE (ASN 2022-AWP-10210-OE) 335705N1182238W (1.6NM ENE LAX) 237FT (137FT AGL) FLAGGED AND LGTD	KLAXA2951/22 (05 AUG 22)
*16 JUN 2022 13:00-05 AUG 2023 01:30* D)THU FRI MON TUE WED 1300-0130 E)CRANE (ASN 2022-AWP-2063-NRA) 335703N1182612W (1.5NM WNW LAX) 156FT (50FT AGL) FLAGGED AND LGTD	KLAXA2286/22 (14 JUN 22)
*16 JUN 2022 13:00-05 AUG 2023 01:30* D)THU FRI MON TUE WED 1300-0130 E)CRANE (ASN 2022-AWP-2062-NRA) 335704N1182610W (1.5NM WNW LAX) 156FT (50FT AGL) FLAGGED AND LGTD	KLAXA2285/22 (14 JUN 22)
*10 JUN 2022 13:00-04 AUG 2023 01:30* D)MON-FRI 1300-0130 E)CRANE (ASN 2022-AWP-2233-NRA) 335702N1182609W (1.5NM WNW LAX) 150FT (40FT AGL) FLAGGED AND LGTD	KLAXA2251/22 (09 JUN 22)
*10 JUN 2022 13:00-04 AUG 2023 01:30* D)MON-FRI 1300-0130 E)CRANE (ASN 2022-AWP-2232-NRA) 335703N1182609W (1.5NM WNW LAX) 150FT (40FT AGL) FLAGGED AND LGTD	KLAXA2250/22 (09 JUN 22)
*01 JUN 2022 19:28-04 JUN 2024 07:00* CRANE (ASN 2022-AWP-1090-NRA) 335659N1182319W (1.0NM ENE LAX) 219FT (120FT AGL) FLAGGED AND LGTD	KLAXA2161/22 (01 JUN 22)
*01 JUN 2022 19:27-04 JUN 2024 07:00* CRANE (ASN 2022-AWP-1089-NRA) 335656N1182319W (1.0NM ENE LAX) 219FT (120FT AGL) FLAGGED AND LGTD	KLAXA2160/22 (01 JUN 22)
*01 JUN 2022 19:26-04 JUN 2024 07:00* CRANE (ASN 2022-AWP-1088-NRA) 335656N1182325W (1.0NM ENE LAX) 217FT (120FT AGL) FLAGGED AND LGTD	KLAXA2159/22 (01 JUN 22)
*01 JUN 2022 19:00-04 JUN 2024 07:00* CRANE (ASN 2022-AWP-1087-NRA) 335659N1182325W (1.0NM ENE LAX) 216FT (120FT AGL) FLAGGED AND LGTD	KLAXA2158/22 (01 JUN 22)
*01 JUN 2022 13:00-05 AUG 2023 01:30* D)WED THU FRI MON TUE 1300-0130 E)CRANE (ASN 2021-AWP-3221-NRA) 335704N1182614W (1.6NM WNW LAX) 208FT (103FT AGL) FLAGGED AND LGTD	KLAXA2137/22 (01 JUN 22)
*01 JUN 2022 13:00-05 AUG 2023 01:30* D)WED THU FRI MON TUE 1300-0130 E)CRANE (ASN 2022-AWP-2053-NRA) 335704N1182618W (1.6NM WNW	KLAXA2136/22 (01 JUN 22)



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LAX) 198FT (103FT AGL) FLAGGED AND LGTD	
*01 JUN 2022 13:00-05 AUG 2023 01:30* D)WED THU FRI MON TUE 1300-0130 E)CRANE (ASN 2022-AWP-2052-NRA) 335704N1182615W (1.6NM WNW LAX) 198FT (103FT AGL) FLAGGED AND LGTD	KLAXA2135/22 (01 JUN 22)
*23 MAY 2022 07:01-10 SEP 2023 07:00* CRANE (ASN 2022-AWP-268-NRA) 335642N1182325W (0.9NM E LAX) 251FT (150FT AGL) FLAGGED AND LGTD	KLAXA2021/22 (20 MAY 22)
*23 MAY 2022 07:01-10 SEP 2023 07:00* CRANE (ASN 2022-AWP-265-NRA) 335645N1182324W (0.9NM ENE LAX) 251FT (150FT AGL) FLAGGED AND LGTD	KLAXA2020/22 (20 MAY 22)
*23 MAY 2022 07:01-10 SEP 2023 07:00* CRANE (ASN 2022-AWP-262-NRA) 335646N1182333W (0.8NM ENE LAX) 253FT (150FT AGL) FLAGGED AND LGTD	KLAXA2019/22 (20 MAY 22)
*23 MAY 2022 07:01-10 SEP 2023 07:00* CRANE (ASN 2022-AWP-258-NRA) 335643N1182335W (0.8NM ENE LAX) 252FT (150FT AGL) FLAGGED AND LGTD	KLAXA2018/22 (20 MAY 22)
*07 APR 2022 21:05-01 JUL 2023 06:59* CRANE (ASN 2021-AWP-4539-NRA) 335658N1182327W (0.9NM ENE LAX) 254FT (150FT AGL) FLAGGED AND LGTD	KLAXA1352/22 (07 APR 22)
*07 APR 2022 21:05-01 JUL 2023 06:59* CRANE (ASN 2021-AWP-4538-NRA) 335658N1182329W (0.9NM ENE LAX) 254FT (150FT AGL) FLAGGED AND LGTD	KLAXA1353/22 (07 APR 22)
*07 APR 2022 21:04-01 JUL 2023 06:59* CRANE (ASN 2021-AWP-4524-NRA) 335658N1182325W (1.0NM ENE LAX) 249FT (150FT AGL) FLAGGED AND LGTD	KLAXA1351/22 (07 APR 22)
*14 APR 2022 07:01-10 OCT 2023 06:59* CRANE (ASN 2022-AWP-301-NRA) 335706N1182227W (1.8NM ENE LAX) 248FT (150FT AGL) FLAGGED AND LGTD	KLAXA1348/22 (07 APR 22)
*14 APR 2022 07:01-10 OCT 2023 06:59* CRANE (ASN 2022-AWP-300-NRA) 335706N1182237W (1.6NM ENE LAX) 250FT (150FT AGL) FLAGGED AND LGTD	KLAXA1347/22 (07 APR 22)
*14 APR 2022 07:01-10 OCT 2023 06:59* CRANE (ASN 2022-AWP-299-NRA) 335704N1182237W (1.6NM ENE LAX) 249FT (150FT AGL) FLAGGED AND LGTD	KLAXA1346/22 (07 APR 22)
*14 APR 2022 07:01-12 SEP 2023 06:59* CRANE (ASN 2022-AWP-277-NRA) 335654N1182332W (0.9NM ENE LAX) 254FT (150FT AGL) FLAGGED AND LGTD	KLAXA1343/22 (07 APR 22)
*14 APR 2022 07:01-12 SEP 2023 06:59* CRANE (ASN 2022-AWP-278-NRA) 335654N1182329W (0.9NM ENE LAX) 254FT (150FT AGL) FLAGGED AND LGTD	KLAXA1341/22 (07 APR 22)
*08 APR 2022 07:01-06 AUG 2023 06:59* CRANE (ASN 2022-AWP-68-NRA) 335656N1182247W (1.5NM ENE LAX) 247FT (150FT AGL) FLAGGED AND LGTD	KLAXA1270/22 (04 APR 22)
*08 APR 2022 07:01-06 AUG 2023 06:59* CRANE (ASN 2022-AWP-69-NRA) 335656N1182237W (1.6NM ENE LAX) 247FT (150FT AGL) FLAGGED AND LGTD	KLAXA1268/22 (04 APR 22)
*08 APR 2022 07:01-06 AUG 2023 06:59* CRANE (ASN 2022-AWP-70-NRA) 335704N1182237W (1.6NM ENE LAX) 249FT (150FT AGL) FLAGGED AND LGTD	KLAXA1267/22 (04 APR 22)
*08 APR 2022 07:01-06 AUG 2023 06:59* CRANE (ASN 2022-AWP-67-NRA) 335700N1182248W (1.5NM ENE LAX) 249FT (150FT AGL) FLAGGED AND LGTD	KLAXA1266/22 (04 APR 22)
*08 APR 2022 07:01-05 SEP 2023 06:59* CRANE (ASN 2022-AWP-253-NRA) 335637N1182347W (0.6NM E LAX) 274FT (150FT AGL) FLAGGED AND LGTD	KLAXA1264/22 (04 APR 22)
*08 APR 2022 07:01-05 SEP 2023 06:59* CRANE (ASN 2022-AWP-251-NRA) 335639N1182333W (0.8NM E LAX) 251FT (150FT AGL) FLAGGED AND LGTD	KLAXA1263/22 (04 APR 22)
*08 APR 2022 07:01-05 SEP 2023 06:59* CRANE (ASN 2022-AWP-250-NRA) 335643N1182335W (0.8NM ENE	KLAXA1262/22 (04 APR 22)

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LAX) 252FT (150FT AGL) FLAGGED AND LGTD	
*08 APR 2022 07:01-05 SEP 2023 06:59* CRANE (ASN 2022-AWP-245-NRA) 335640N1182354W (0.5NM ENE LAX) 255FT (150FT AGL) FLAGGED AND LGTD	KLAXA1261/22 (04 APR 22)
*08 APR 2022 07:01-05 SEP 2023 06:59* CRANE (ASN 2022-AWP-244-NRA) 335639N1182355W (0.5NM E LAX) 254FT (150FT AGL) FLAGGED AND LGTD	KLAXA1258/22 (04 APR 22)
*08 APR 2022 07:01-05 SEP 2023 06:59* CRANE (ASN 2022-AWP-242-NRA) 335638N1182403W (0.4NM ENE LAX) 255FT (150FT AGL) FLAGGED AND LGTD	KLAXA1255/22 (04 APR 22)
*08 APR 2022 07:01-05 SEP 2023 06:59* CRANE (ASN 2022-AWP-243-NRA) 335643N1182353W (0.5NM ENE LAX) 255FT (150FT AGL) FLAGGED AND LGTD	KLAXA1256/22 (04 APR 22)
*08 APR 2022 07:01-05 SEP 2023 06:59* CRANE (ASN 2022-AWP-241-NRA) 335643N1182404W (0.4NM ENE LAX) 253FT (150FT AGL) FLAGGED AND LGTD	KLAXA1254/22 (04 APR 22)
*08 APR 2022 07:01-05 SEP 2023 06:59* CRANE (ASN 2022-AWP-240-NRA) 335638N1182403W (0.4NM ENE LAX) 254FT (150FT AGL) FLAGGED AND LGTD	KLAXA1251/22 (04 APR 22)
*08 APR 2022 07:01-05 SEP 2023 06:59* CRANE (ASN 2022-AWP-239-NRA) 335643N1182404W (0.4NM ENE LAX) 253FT (150FT AGL) FLAGGED AND LGTD	KLAXA1250/22 (04 APR 22)
*08 APR 2022 07:01-05 SEP 2023 06:59* CRANE (ASN 2022-AWP-238-NRA) 335638N1182417W (0.2NM ENE LAX) 256FT (150FT AGL) FLAGGED AND LGTD	KLAXA1249/22 (04 APR 22)
*08 APR 2022 07:01-05 SEP 2023 06:59* CRANE (ASN 2022-AWP-237-NRA) 335641N1182418W (0.2NM NE LAX) 255FT (150FT AGL) FLAGGED AND LGTD	KLAXA1248/22 (04 APR 22)
*08 APR 2022 07:01-29 JUL 2023 06:59* CRANE (ASN 2022-AWP-236-NRA) 335633N1182428W (0.0NM ENE LAX) 255FT (150FT AGL) FLAGGED AND LGTD	KLAXA1245/22 (04 APR 22)
*08 APR 2022 07:01-29 JUL 2023 06:59* CRANE (ASN 2022-AWP-235-NRA) 335634N1182416W (0.2NM E LAX) 254FT (150FT AGL) FLAGGED AND LGTD	KLAXA1244/22 (04 APR 22)
*08 APR 2022 07:01-29 JUL 2023 06:59* CRANE (ASN 2022-AWP-234-NRA) 335642N1182418W (0.2NM NE LAX) 254FT (150FT AGL) FLAGGED AND LGTD	KLAXA1243/22 (04 APR 22)
*08 APR 2022 07:01-29 JUL 2023 06:59* CRANE (ASN 2022-AWP-233-NRA) 335640N1182429W (0.1NM NE LAX) 255FT (150FT AGL) FLAGGED AND LGTD	KLAXA1242/22 (04 APR 22)
*04 FEB 2022 15:33-10 JUL 2023 23:00* RWY 24L PAPI U/S	KLAXA0445/22 (04 FEB 22)
*04 FEB 2022 02:34-01 JUL 2023 06:59* CRANE (ASN 2021-AWP-4540-NRA) 335659N1182327W (0.9NM ENE LAX) 254FT (150FT AGL) FLAGGED AND LGTD	KLAXA0434/22 (04 FEB 22)
*19 JAN 2022 05:01-19 JAN 2024 05:01* AP RDO ALTIMETER UNREL. AUTOLAND, HUD TO TOUCHDOWN, ENHANCED FLT VISION SYSTEMS TO TOUCHDOWN, HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE HOVER AUTOPILOT MODES AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVES 2021-23-12, 2021-23-13	KLAXA0073/22 (13 JAN 22)

## KLSV / LSV

*12 APR 2023 06:30-18 APR 2023 13:00* RWY 03R/21L CLSD FOR MAINTENANCE, 12 APRIL 0630Z-1600Z (2330-0900L), 13 APRIL 0600Z-1555Z (2300L-0855L), 14 APRIL 0630Z (2330L) - 18 APRIL 1300Z (0600L). 12 APR 06:30 2023 UNTIL 18 APR 13:00 2023. CREATED: 11 APR 17:26 2023	KLSVM0207/23 (11 APR 23)
*11 APR 2023 13:45-14 APR 2023 20:00*	KLSVV0012/23 (11 APR 23)

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[US DOD PROCEDURAL NOTAM] STANDARD INSTRUMENT DEPARTURE (SID) CHANGED : DREAM SIX DEPARTURE, RWY 3L/R (AMDT 5 29MAR18)): BLD TACAN AZIMUTH U/S, AVAILABLE FOR A/C VOR EQUIPPED ONLY. FOR A/C NOT VOR EQUIPPED, EXPECT RADAR VECTORS.. 11 APR 13:45 2023 UNTIL 14 APR 20:00 2023. CREATED: 11 APR 13:45 2023	
*11 APR 2023 14:00-27 APR 2023 23:00* [US DOD PROCEDURAL NOTAM] STANDARD INSTRUMENT DEPARTURE (SID) NOT AUTHORIZED : MORMON MESA SEVEN DEPARTURE, (AMDT 6, 26MAR20): MMM NAV VORTAC U/S.. 11 APR 14:00 2023 UNTIL 27 APR 23:00 2023. CREATED: 11 APR 13:27 2023	KLSVV0008/23 (11 APR 23)
*05 APR 2023 07:01-03 JUL 2023 23:59* REVTMENT 9-10 AND 24-25 STADIUM OBSTRUCTION LIGHT OTS. 05 APR 07:01 2023 UNTIL 03 JUL 23:59 2023. CREATED: 05 APR 07:01 2023	KLSVM0192/23 (05 APR 23)
*24 MAR 2023 16:02-31 MAY 2023 23:59* RUNWAY 21R/03L 7/3 DISTANCE REMAINING MARKER (DRM) AT THE NORTH END ON THE EAST SIDE IS MISSING.. 24 MAR 16:02 2023 UNTIL 31 MAY 23:59 2023. CREATED: 24 MAR 16:02 2023	KLSVM0178/23 (24 MAR 23)
*20 MAR 2023 16:06-16 JUN 2023 05:00* DUE TO POTENTIAL 5G INTERFERENCE, RADIO ALTIMETER MAY BE UNUSABLE. REFER TO 5G & 150; RADIO ALTIMETER TAB ON DAIP FOR MORE INFORMATION AND REPORTING INSTRUCTIONS.. 20 MAR 16:06 2023 UNTIL 16 JUN 05:00 2023. CREATED: 20 MAR 16:06 2023	KCNFX0023/23 (20 MAR 23)
*01 MAR 2023 10:04-05 MAY 2023 23:59* TWY E LOCATION SIGN ADJACENT TO RWY 21L DAMAGED. 01 MAR 10:04 2023 UNTIL 05 MAY 23:59 2023. CREATED: 01 MAR 10:05 2023	KLSVM0114/23 (01 MAR 23)
*01 MAR 2023 10:00-04 MAY 2023 23:59* RWY 21R SOUTH WINDCONE OBSTRUCTION LIGHT OTS. 01 MAR 10:00 2023 UNTIL 04 MAY 23:59 2023. CREATED: 01 MAR 10:00 2023	KLSVM0113/23 (01 MAR 23)
*01 MAR 2023 10:00-04 MAY 2023 23:59* RWY 21R NORTH WINDCONE OBSTRUCTION LIGHT OTS. 01 MAR 10:00 2023 UNTIL 04 MAY 23:59 2023. CREATED: 01 MAR 10:00 2023	KLSVM0112/23 (01 MAR 23)
*27 FEB 2023 16:42-30 APR 2023 23:59* AERODROME LIMITED TA SUPPORT, EXPECT DELAYS. LIMITED TA OPERATING HOURS; MONDAY-FRIDAY 1600Z-0400Z (0800L-2000L). NO TA SUPPORT ON WEEKENDS WITHOUT PRIOR COORDINATION/APPROVAL.. 27 FEB 16:42 2023 UNTIL 30 APR 23:59 2023. CREATED: 27 FEB 16:42 2023	KLSVM0108/23 (27 FEB 23)
*16 FEB 2023 19:06-12 MAY 2023 23:59* OBST CRANE 361226.06N/1150310.86W (1.14NM S APCH END RWY 03R) 2013 FT (202' AGL), MONDAY-FRIDAY, SR-SS.. 16 FEB 19:06 2023 UNTIL 12 MAY 23:59 2023. CREATED: 16 FEB 19:06 2023	KLSVM0075/23 (16 FEB 23)
*02 FEB 2023 20:46-30 APR 2023 23:59* ALL EXERCISE ACFT AND ANY C-130 OR LARGER ACFT MUST CONTACT NELLIS SUPPORT CENTER FOR PPR CORDINATION AT DSN: 702-652-5250, MON-FRI (0730L- 1630L). NON-EXERCISE ACFT SMALLER THAN C-130 MUST CONTACT AM FOR PPR CORDINATION AT DSN: 702-652-4601. PPR CORDINATION NO EARLIER THAN 7 DAYS PRIOR TO AND NO LESS THAN 24 HOURS PRIOR TO SCHEDULED ARRIVAL.. 02 FEB 20:46 2023 UNTIL 30 APR 23:59 2023. CREATED: 02 FEB 20:46 2023	KLSVL0001/23 (02 FEB 23)
<b>AMOC/5G NOTAM APPLICABILITY</b> *06 AUG 2022 00:00-07 AUG 2024 00:00* KLSV/LSV NELLIS AFB NOTAMS citing 5G restrictions are applicable for the following aircraft operating to the indicated runway(s):  BOEING AIRCRAFT COLLINS LRA-900 NO RUNWAYS APPROVED. NO AMOCS APPROVED. REFERENCE NOTAM UAL 02124/22 or NOTAM UAL 02137/22 (B777 ONLY) FOR CURRENT AMOCS (For changes to this NOTAM contact the MDO)	UAL 02141/22 (06 AUG 22)
<b>Rwy 03R-21L S end arresting gear is assumed up</b> *05 MAY 2018 00:00-01 JUN 2037 00:00* Rwy 03R-21L S end arresting gear is up. S end 1226 ft of Rwy 03R-21L is N/A for takeoff and landing calculations.	*UAL 0086C/18 (05 MAY 18)

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United Instructions: When arresting gear is in the rigged position on the S end of Rwy 03R-21L, N 8825 ft is available for takeoff and landing. Rigged gear may be crossed at speeds of 25kts or less. Performance data is based on the airplane not crossing the gear during landing or RTO. (OPBEG - Huang - 04MAY2018).

## Rwy 03R-21L N end arresting gear is assumed up

\*05 MAY 2018 00:00-01 JUN 2037 00:00\*

Rwy 03R-21L N end arresting gear is up. N end 1200 ft of Rwy 03R-21L is N/A for takeoff and landing calculations.

\*UAL 0086B/18  
(05 MAY 18)

United Instructions: When arresting gear is in the rigged position on the N end of Rwy 03R-21L, S 8851 ft is available for takeoff and landing. Rigged gear may be crossed at speeds of 25kts or less. Performance data is based on the airplane not crossing the gear during landing or RTO. (OPBEG - Huang - 04MAY2018).

## Rwy 03L-21R S end arresting gear is assumed up

\*05 MAY 2018 00:00-01 JUN 2037 00:00\*

Rwy 03L-21R S end arresting gear is up. S end 1211 ft of Rwy 03L-21R is N/A for takeoff and landing calculations.

\*UAL 0086A/18  
(05 MAY 18)

United Instructions: When arresting gear is in the rigged position on the S end of Rwy 03L-21R, N 8909 ft is available for takeoff and landing. Rigged gear may be crossed at speeds of 25kts or less. Performance data is based on the airplane not crossing the gear during landing or RTO. (OPBEG - Huang - 04MAY2018).

## Rwy 03L-21R N end arresting gear is assumed up

\*05 MAY 2018 00:00-01 JUN 2037 00:00\*

Rwy 03L-21R N end arresting gear is up. N end 1451 ft of Rwy 03L-21R is N/A for takeoff and landing calculations.

\*UAL 00869/18  
(05 MAY 18)

United Instructions: When arresting gear is in the rigged position on the N end of Rwy 03L-21R, S 8669 ft is available for takeoff and landing. Rigged gear may be crossed at speeds of 25kts or less. Performance data is based on the airplane not crossing the gear during landing or RTO. (OPBEG - Huang - 04MAY2018).

## KDRO / DRO

### RAIM A319-320 B737NG B737MAX

\*12 APR 2023 22:14-13 APR 2023 22:14\*

RAIM PREDICTION NEXT 24H FROM 2023-04-12 22:14Z

UAL 00512/23  
(12 APR 23)

-----KDRO-----  
KDRO RNP Approach (0.3 NM) A319-320 ACCEPTABLE  
KDRO RNP Approach (0.3 NM) B737MAX ACCEPTABLE  
KDRO RNP Approach (0.3 NM) B737NG ACCEPTABLE

## Special PIC Qualification Airports (14 CFR 121.445)

\*18 FEB 2021 00:00-19 FEB 2025 00:00\*

Durango, CO KDRO  
High terrain; no radar.  
6/20/1990

per modi flanagan

UAL 00379/21  
(05 OCT 22)

\*01 OCT 2022 04:01-01 OCT 2024 04:01\*

AP RDO ALTIMETER UNREL. AUTOLAND, HUD TO TOUCHDOWN,  
ENHANCED FLT VISION SYSTEMS TO TOUCHDOWN, HEL OPS REQUIRING RDO  
ALTIMETER DATA TO INCLUDE HOVER AUTOPILOT MODES AND CAT  
A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING  
APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND  
INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVES 2021-23-12, 2021-23-13

KDROA0728/22  
(24 SEP 22)

## KCOS / COS

\*11 APR 2023 03:18-24 APR 2023 00:01\*

KCOSL0014/23  
(11 APR 23)

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AERODROME ALL PETERSON SPACE FORCE BASE AIRCRAFT LAVATORY SERVICING  
UNAVAILABLE. 11 APR 03:18 2023 UNTIL 24 APR 00:01 2023. CREATED: 11 APR 03:18  
2023

\*05 APR 2023 19:13-01 JUN 2037 00:00\*  
COS IAP CITY OF COLORADO SPRINGS MUNI,  
COLORADO SPRINGS, CO.  
ILS OR LOC RWY 35R, AMDT 2A...  
RNAV (GPS) RWY 31, AMDT 2A...  
RNAV (GPS) Y RWY 35L, AMDT 1B...  
RNAV (GPS) Y RWY 35R, AMDT 4A...  
CIRCLING CAT D MDA 7280/HAA 1093. TEMPORARY CRANE 6927FT MSL 3.82NM NORTHWEST OF  
RWY 17R (2021-ANM-7424-OE).

KCOSA1709/23  
(05 APR 23)

\*06 APR 2023 12:00-01 JUN 2037 00:00\*  
COS IAP CITY OF COLORADO SPRINGS MUNI,  
COLORADO SPRINGS, CO.  
ILS OR LOC RWY 35L, AMDT 40...  
NDB RWY 35L, AMDT 28...  
CIRCLING CAT C MDA 7040/HAA 853. CIRCLING CAT D MDA 7280/HAA 1093.  
VISIBILITY 2 1/2 CAT C. TEMPORARY CRANE 6927FT MSL 3.82NM NORTHWEST  
OF RWY 35L (2021-ANM-7424-OE). TEMPORARY CRANE 6679FT MSL 2.98NM  
NORTHWEST OF RWY 35L (2022-ANM-8052-OE).

KCOSA1706/23  
(05 APR 23)

\*21 FEB 2023 13:12-01 JUN 2037 00:00\*  
COS IAP CITY OF COLORADO SPRINGS MUNI,  
COLORADO SPRINGS, CO.  
VOR RWY 17L, ORIG...  
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI  
ANGLE 3.00/TCH 57).  
THIS IS VOR RWY 17L, ORIG-A.

KCOSA1277/23  
(21 FEB 23)

\*21 FEB 2023 13:11-01 JUN 2037 00:00\*  
COS IAP CITY OF COLORADO SPRINGS MUNI,  
COLORADO SPRINGS, CO.  
RNAV (RNP) Z RWY 17L, AMDT 2A...  
DELETE PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI  
ANGLE 3.00/TCH 53). DELETE NOTE: GPS REQUIRED. CHART PBN  
REQUIREMENTS NOTE: RNP AR APCH - GPS. CHANGE NOTE TO READ: FOR  
UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -21C OR ABOVE  
44C.  
THIS IS RNAV (RNP) Z RWY 17L, AMDT 2B.

KCOSA1275/23  
(21 FEB 23)

\*21 FEB 2023 13:09-01 JUN 2037 00:00\*  
COS IAP CITY OF COLORADO SPRINGS MUNI,  
COLORADO SPRINGS, CO.  
RNAV (RNP) Z RWY 17R, AMDT 1A...  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI  
ANGLE 3.00/TCH 49). DELETE NOTE: GPS REQUIRED. CHART PBN  
REQUIREMENTS NOTE: RNP AR APCH - GPS. CHANGE NOTE TO READ: FOR  
UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -21C OR ABOVE  
45C.  
THIS IS RNAV (RNP) Z RWY 17R, AMDT 1B.

KCOSA1273/23  
(21 FEB 23)

\*21 FEB 2023 13:05-01 JUN 2037 00:00\*  
COS IAP CITY OF COLORADO SPRINGS MUNI,  
COLORADO SPRINGS, CO.  
ILS OR LOC RWY 17L, AMDT 3C...  
ILS RWY 17L (SA CAT I II), AMDT 3C... BR  
DELETE PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI  
ANGLE 3.00/TCH 53). DELETE PROFILE NOTE: LOC ONLY. DELETE ASTERISK  
FROM VDP I-LPI 4.8. DELETE ASTERISK FROM 7540 AT HUMPE INT.  
THIS IS ILS OR LOC RWY 17L, AMDT 3D...ILS RWY 17L (SA CAT I II),  
AMDT 3D.

KCOSA1271/23  
(21 FEB 23)

\*21 FEB 2023 13:05-01 JUN 2037 00:00\*  
COS IAP CITY OF COLORADO SPRINGS MUNI,  
COLORADO SPRINGS, CO.  
RNAV (GPS) Y RWY 17L, AMDT 3B...  
DELETE PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI  
ANGLE 3.00/TCH 53). DELETE NOTE: DME/DME RNP-0.3 NA. CHART PBN  
REQUIREMENTS NOTE: RNP APCH - GPS. CHANGE NOTE TO READ: FOR  
UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C OR ABOVE  
44C. DELETE PROFILE NOTE: LNAV ONLY. DELETE ASTERISK FROM VDP 2.4

KCOSA1269/23  
(21 FEB 23)

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NM TO RW17L. DELETE ASTERISK FROM 7580 AT JESLO. THIS IS RNAV (GPS) Y RWY 17L, AMDT 3C.	
*21 FEB 2023 13:05-01 JUN 2037 00:00* COS IAP CITY OF COLORADO SPRINGS MUNI, COLORADO SPRINGS, CO. RNAV (GPS) Y RWY 17R, AMDT 3A... CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE 3.00/TCH 49). DELETE PROFILE NOTE: LNAV ONLY. DELETE ASTERISK FROM VDP 1.4 NM TO RW17R.DELETE ASTERISK FROM 6860 AT LAXLY. DELETE ASTERISK FROM 7240 AT KAGHU. DELETE ASTERISK FROM 7760 AT JIBIS. DELETE NOTE: DME/DME RNP-0.3 NA. CHART PBN REQUIREMENTS NOTE: RNP APCH - GPS. DELETE ALERT AREAS A-639A/B. CHANGE NOTE TO READ: FOR UNCOMPENSATEDBARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C OR ABOVE 54C. THIS IS RNAV (GPS) Y RWY 17R, AMDT 3B.	KCOSA1270/23 (21 FEB 23)
*09 FEB 2023 16:47-01 JUN 2037 00:00* COS IAP CITY OF COLORADO SPRINGS MUNI, COLORADO SPRINGS, CO. ILS RWY 35L CAT I, AMDT 40 ... ILS RWY 35R CAT I, AMDT 2A ... NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 6400 MSL.	KCOSA0955/23 (09 FEB 23)
*09 FEB 2023 16:45-01 JUN 2037 00:00* COS IAP CITY OF COLORADO SPRINGS MUNI, COLORADO SPRINGS, CO. ILS RWY 35L (SA CAT II), AMDT 40 ... PROCEDURE NA.	KCOSA0952/23 (09 FEB 23)
*17 NOV 2022 15:52-01 JUN 2037 00:00* COS IAP CITY OF COLORADO SPRINGS MUNI, COLORADO SPRINGS, CO. ILS OR LOC RWY 17L, AMDT 3C... HUMPE FIX MINIMUMS, CIRCLING CAT D MDA 7280/HAA 1093. TEMPORARY CRANE 6927FT MSL 3.82NM NORTHWEST OF RWY 17R (2021-ANM-7424-OE).	KCOSA3916/22 (17 NOV 22)
*17 NOV 2022 15:52-01 JUN 2037 00:00* COS IAP CITY OF COLORADO SPRINGS MUNI, COLORADO SPRINGS, CO. RNAV (GPS) Y RWY 17R, AMDT 3A... LPV DA NA. CIRCLING CAT D MDA 7280/HAA 1093. TEMPORARY CRANE 6927FT MSL 3.82NM NORTHWEST OF RWY 17R (2021-ANM-7424-OE).	KCOSA3915/22 (17 NOV 22)
*01 JUL 2022 04:01-01 JUL 2024 04:01* AP RDO ALTIMETER UNREL. AUTOLAND, HUD TO TOUCHDOWN, ENHANCED FLT VISION SYSTEMS TO TOUCHDOWN, HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE HOVER AUTOPILOT MODES AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVES 2021-23-12, 2021-23-13	KCOSA2770/22 (24 JUN 22)
*01 JUL 2022 04:01-01 JUN 2037 00:00* ILS RWY 17L (SA CAT I - II), AMDT 3C ... ILS RWY 35L (SA CAT II), AMDT 40 ... PROCEDURE NA EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVES 2021-23-12, 2021-23-13	KCOSA2769/22 (24 JUN 22)

## ENROUTE INFORMATION

### NAM / NORTH AMERICA

N I L

### USA / UNITED STATES

N I L

### KZDV / DENVER

*11 APR 2023 17:36-01 JUN 2037 00:00* ZDV KS..ROUTE ZDV ZKC. V17 GARDEN CITY (GCK) VORTAC, KS TO COFFE, KS MOCA 4700.	KZDVA0234/23 (11 APR 23)
*09 APR 2023 06:00-01 JUN 2037 00:00*	KZDVA0230/23 (09 APR 23)

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ZDV AIRSPACE FLT INFO SERVICE BCST (FIS-B) SERVICES MAY  
NOT BE AVBL WI AN AREA DEFINED AS 71NM RADIUS OF 431010N1061027W. AP  
AIRSPACE AFFECTED MAY INCLUDE BYG, CPR, DGW, HAD.  
9000FT AMSL-13000FT AMSL

## KUSA Enroute CPDLC available 24/7 in centers below

*28 MAR 2023 00:00-14 JUL 2025 00:00* KUSA Enroute CPDLC available 24/7 in the following ARTCCs: ZTL, ZOA, ZMP, ZKC, ZID, ZDC, ZMA ZAU, ZSE , ZLC , & ZDV. (ZDV added 27Mar23)	UAL 00515/23 (28 MAR 23)
*01 APR 2023 04:01-01 APR 2025 04:01* ZDV AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 374022N1111536W (PGA358045.4) TO 355340N1101148W (TBC089053.9) TO 354536N1114008W (GCN102026.1) TO 354600N1115028W (GCN113018.9) TO 362507N1113009W (TBC313021.1) TO 372445N1115249W (BCE114026.1) TO POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13	KZDVA0196/23 (25 MAR 23)
*01 APR 2023 04:01-01 APR 2025 04:01* ZDV AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 19.1NM RADIUS OF 420109N1003400W (TDD063007.2) SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13	KZDVA0195/23 (25 MAR 23)
*01 APR 2023 04:01-01 APR 2025 04:01* ZDV AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 375956N1013641W (GCK266042.2) TO 381135N1012923W (GCK284039.7) TO 381326N1011102W (GCK299028.4) TO POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13	KZDVA0194/23 (25 MAR 23)
*01 APR 2023 04:01-01 APR 2025 04:01* ZDV AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 390000N0994208W (HYS285021.9) TO 393950N0994831W (HLC030031.1) TO 395137N0990032W (TKO266034.7) TO 392747N0984825W (TKO221032.6) TO POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13	KZDVA0193/23 (25 MAR 23)
*01 APR 2023 04:01-01 APR 2025 04:01* ZDV AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 22.6NM RADIUS OF 375949N1033824W (PUB107041.3) SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13	KZDVA0192/23 (25 MAR 23)
*01 APR 2023 04:01-01 APR 2025 04:01* ZDV AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 441754N1023545W (RAP030026.4) TO 433349N1030022W (RAP166024.8) TO 434336N1040217W (RAP239046.9) TO 442027N1045408W (GCC082027.5) TO 445528N1042202W (GCC046061.0) TO POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13	KZDVA0191/23 (25 MAR 23)
*01 APR 2023 04:01-01 APR 2025 04:01*	KZDVA0190/23 (25 MAR 23)

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ZDV AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
432543N1022208W (RAP126043.1) TO 425028N1015743W (AIA027060.1) TO  
422609N1030751W (TST120010.9) TO 425531N1033657W (TST316025.8) TO  
POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATATO INCLUDE  
OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR  
AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT  
AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF  
COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS  
DIRECTIVE 2021-23-13

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZDV AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
385759N1095904W (HVE030047.0) TO 385232N1090342W (JNC214016.7) TO  
380915N1090450W (DVC327021.9) TO 381550N1095850W (HVE090035.1) TO  
POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATATO INCLUDE  
OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR  
AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT  
AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF  
COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS  
DIRECTIVE 2021-23-13

KZDVA0189/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZDV AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
405309N1011459W (LBF236024.8) TO 413236N1010745W (TDD206032.1) TO  
410209N0990202W (GRI269032.7) TO 401637N0990253W (HSI228034.4) TO  
400806N0990322W (HSI219040.2) TO 395923N0992127W (TKO273051.7) TO  
395435N1011656W (MCK233036.2) TO POINT OF ORIGIN SFC-5000FT AGL. HEL  
OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS,  
HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE  
CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED  
ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS  
SEE AIRWORTHINESS DIRECTIVE 2021-23-13

KZDVA0188/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZDV AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
412142N1025736W (SNY351016.0) TO 412414N1011930W (LBF298033.7) TO  
404137N1013721W (HCT284035.0) TO 393655N1024340W (TXC090023.1) TO  
395751N1033305W (AKO223020.6) TO 404058N1034515W (GLL060038.0) TO  
POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATA  
TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR  
AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT  
AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO  
5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS  
DIRECTIVE 2021-23-13

KZDVA0187/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZDV AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 21NM RADIUS  
OF 441603N1052952W (GCC149005.2) SFC-5000FT AGL. HEL OPS REQUIRING  
RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER  
AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS  
TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE  
METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE  
AIRWORTHINESS DIRECTIVE 2021-23-13

KZDVA0186/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZDV AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 17.8NM  
RADIUS OF 414638N1071439W (CKW070015.2) SFC-5000FT AGL. HEL OPS  
REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS,  
HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE  
CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED  
ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS  
SEE AIRWORTHINESS DIRECTIVE 2021-23-13

KZDVA0185/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZDV AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
412353N1060237W (LAR270015.0) TO 422107N1051004W (IIP160019.6) TO  
422344N1022905W (AIA024024.9) TO 415206N1022934W (AIA118017.9) TO  
414333N1031248W (BFF117015.7) TO 405339N1042356W (GLL004024.5) TO  
392035N1030903W (TXC160021.5) TO 375626N1042619W (PUB173021.2) TO  
381052N1080610W (ETL029011.2) TO 390253N1090328W (JNC252012.4) TO  
395042N1082447W (EKR224026.1) TO 400449N1061329W (RLG051011.0) TO  
POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATA  
TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR

KZDVA0184/23  
(25 MAR 23)



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AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT  
AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF  
COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS  
DIRECTIVE 2021-23-13

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZDV AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
360012N1082349W (GUP022039.2) TO 354740N1093934W (GUP283042.9) TO  
361039N1094428W (GUP301059.7) TO 362628N1083919W (RSK222032.6) TO  
POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATATO INCLUDE  
OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR  
AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT  
AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF  
COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS  
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KZDVA0183/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZDV AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
431004N1053459W (DDY069030.8) TO 423540N1051956W (IIP212006.8) TO  
422724N1065652W (DDY206048.2) TO 431333N1065419W (DDY275028.7) TO  
POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATATO INCLUDE  
OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR  
AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT  
AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF  
COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS  
DIRECTIVE 2021-23-13

KZDVA0182/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZDV AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 18NM RADIUS  
OF 391820N1021523W (GLD247026.7) SFC-5000FT AGL. HEL OPS REQUIRING  
RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER  
AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS  
TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE  
METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE  
AIRWORTHINESS DIRECTIVE 2021-23-13

KZDVA0180/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZDV AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
420412N0990510W (ONL207029.9) TO 420012N0990123W (ONL198031.8) TO  
412628N0990142W (CUZ087029.8) TO 410856N0993017W (CUZ150021.8) TO  
412152N1002341W (LBF029024.7) TO 420247N0992446W (CUZ012036.0) TO  
POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATA  
TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR  
AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT  
AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO  
5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS  
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KZDVA0181/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZDV AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
373945N1080401W (ETL146024.4) TO 373323N1063122W (ALS277035.9) TO  
364037N1061105W (TAS274014.0) TO 361133N1072844W (RSK124044.8) TO  
360632N1075320W (RSK151039.7) TO 364005N1084552W (RSK248032.4) TO  
POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATA  
TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR  
AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT  
AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO  
5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS  
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KZDVA0179/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZDV AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
441819N1012717W (PHP019017.4) TO 434419N1012421W (PHP138022.2) TO  
432332N1013618W (PHP164040.1) TO 433615N1023028W (RAP122031.3) TO  
441225N1022006W (PHP275030.3) TO POINT OF ORIGIN SFC-5000FT AGL. HEL OPS  
REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS,  
HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE  
CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED  
ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS  
SEE AIRWORTHINESS DIRECTIVE 2021-23-13

KZDVA0178/23  
(25 MAR 23)

\*23 FEB 2023 12:25-01 JUN 2037 00:00\*

ZDV KS..ROUTE ZDV.  
V216 HILL CITY (HLC) VORTAC, KS R-234 TO ORION INT, KS MOCA 4500.

KZDVA0110/23  
(23 FEB 23)

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*23 FEB 2023 12:27-01 JUN 2037 00:00* ZDV KS..ROUTE ZDV ZKC. V132 RANSO INT, KS TO ORION INT, KS MOCA 4500.	KZDVA0112/23 (23 FEB 23)
*22 FEB 2023 21:48-01 JUN 2037 00:00* ZDV ROUTE ZDV ZLA. V208 GRAND CANYON (GCN) VOR/DME, AZ TO TUBA CITY (TBC) VORTAC, AZ MEA 9700.	KZDVA0107/23 (22 FEB 23)
*22 FEB 2023 21:48-01 JUN 2037 00:00* ZDV ROUTE ZDV ZLA. V210 GRAND CANYON (GCN) VOR/DME, AZ TO TUBA CITY (TBC) VORTAC, AZ MOCA 9700.	KZDVA0108/23 (22 FEB 23)
*01 FEB 2023 20:04-01 JUN 2037 00:00* ZDV ROUTE ZDV ZMP. V148, V80 NORTH PLATTE (LBF) VOR/DME, NE TO O'NEILL (ONL) VORTAC, NE MEA 7000 EXCEPT FOR ACFT EQUIPPED WITH SUITABLE RNAV SYSTEM WITH GPS.	KZDVA0078/23 (01 FEB 23)
*04 OCT 2022 18:44-01 JUN 2037 00:00* V235 OILLY, WY MCA 11200 SOUTHWESTBOUND.	KZDVA0294/22 (04 OCT 22)
*04 OCT 2022 18:44-01 JUN 2037 00:00* V235 BORGG, WY TO OILLY, WY MEA 11500.	KZDVA0293/22 (04 OCT 22)
*08 OCT 2021 13:37-01 JUN 2037 00:00* ROUTE ZDV. V368 RATTLESNAKE (RSK) VORTAC, NM TO BRAZO INT, NM MEA 14000. RSK VORTAC UNSAT SIGNAL AT 13000.	*KZDVA0343/21 (08 OCT 21)
*01 JUN 2021 15:02-01 JUN 2037 00:00* ROUTE ZDV. V108 TRUEL, CO TO RED TABLE (DBL) VOR/DME, CO MOCA 14000.	KZDVA0189/21 (01 JUN 21)
*19 MAY 2021 18:33-01 JUN 2037 00:00* ZDV UT..ROUTE ZDV ZLC. J196 BRYCE CANYON (BCE) VORTAC, UT TO RIFMN, UT MEA 36000. BCE VORTAC R-033 D160 36000-45000.	KZDVA0170/21 (19 MAY 21)

### KZLC / SALT LAKE CITY

*12 APR 2023 14:00-01 JUN 2037 00:00* ZLC AIRSPACE ADS-B, AUTO DEPENDENT SURVEILLANCE REBROADCAST (ADS-R), TFC INFO SERVICE BCST (TIS-B), FLT INFO SERVICE BCST (FIS-B) SERVICES MAY NOT BE AVBL WI AN AREA DEFINED AS 178NM RADIUS OF 410406N1125108W. AP AIRSPACE AFFECTED MAY INCLUDE AFO, 1U7, LGU, BMC, EVW, FBR, 40U, 33U, RKS,. 7000FT AMSL/UNL	KZLCA0299/23 (12 APR 23)
*09 APR 2023 06:00-01 JUN 2037 00:00* ZLC AIRSPACE FLT INFO SERVICE BCST (FIS-B) SERVICES MAY NOT BE AVBL WI AN AREA DEFINED AS 71NM RADIUS OF 431010N1061027W. AP AIRSPACE AFFECTED MAY INCLUDE BYG, CPR, DGW, HAD. 9000FT AMSL-13000FT AMSL	KZLCA0298/23 (09 APR 23)
*08 APR 2023 06:00-01 JUN 2037 00:00* ZLC AIRSPACE ADS-B, AUTO DEPENDENT SURVEILLANCE REBROADCAST (ADS-R), TFC INFO SERVICE BCST (TIS-B) SERVICES MAY NOT BE AVBL WI AN AREA DEFINED AS 131NM RADIUS OF 435554N1153059W. AP AIRSPACE AFFECTED MAY INCLUDE BOI, BKE, MAN, EUL, U62, U82. 3000FT AMSL-13000FT	KZLCA0295/23 (08 APR 23)

### KUSA Enroute CPDLC available 24/7 in centers below

*28 MAR 2023 00:00-14 JUL 2025 00:00* KUSA Enroute CPDLC available 24/7 in the following ARTCCs: ZTL, ZOA, ZMP, ZKC, ZID, ZDC, ZMA ZAU, ZSE , ZLC , & ZDV. (ZDV added 27Mar23)	UAL 00515/23 (28 MAR 23)
*01 APR 2023 04:01-01 APR 2025 04:01* ZLC AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 465216N1052534W (MLS027036.5) TO 490050N1040527W (ISN336047.6) TO 490025N1031027W (ISN019050.7) TO 460414N1030854W (DIK184049.9) TO POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATATO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF	KZLCA0259/23 (25 MAR 23)

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COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13	
*01 APR 2023 04:01-01 APR 2025 04:01* ZLC AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 430553N1131725W (PIH279031.2) TO 421501N1131622W (BYI109032.9) TO 421335N1145710W (TWF216025.6) TO 425922N1150348W (TWF303039.7) TO POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATATO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13	KZLCA0258/23 (25 MAR 23)
*01 APR 2023 04:01-01 APR 2025 04:01* ZLC AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 382033N1171651W (TPH311022.1) TO 381902N1165356W (TPH003018.3) TO 375259N1165016W (TPH117012.8) TO 375304N1170546W (TPH182009.3) TO 380503N1171604W (TPH269011.5) TO POINT OF ORIGIN SFC-5000FT AGL. HELOPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13	KZLCA0257/23 (25 MAR 23)
*01 APR 2023 04:01-01 APR 2025 04:01* ZLC AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 421251N1163616W (REO093060.4) TO 421741N1154204W (TWF241054.9) TO 403505N1150125W (LWL167033.7) TO 401657N1155921W (BQU183030.5) TO 404314N1161350W (BQU247021.5) TO POINT OF ORIGIN SFC-5000FT AGL. HELOPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13	KZLCA0256/23 (25 MAR 23)
*01 APR 2023 04:01-01 APR 2025 04:01* ZLC AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 18.1NM RADIUS OF 444753N1065722W (SHR111005.2) SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13	KZLCA0255/23 (25 MAR 23)
*01 APR 2023 04:01-01 APR 2025 04:01* ZLC AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 391356N1102022W (PUC125029.4) TO 382237N1120646W (MLF072042.4) TO 394402N1142705W (ELY021032.0) TO 410951N1143134W (LWL070020.4) TO 421427N1124929W (MLD262016.8) TO 421331N1114237W (LHO013029.2) TO 412321N1103101W (FBR265004.2) TO POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13	KZLCA0254/23 (25 MAR 23)
*01 APR 2023 04:01-01 APR 2025 04:01* ZLC AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 24NM RADIUS OF 413256N1092101W (OCS248015.3) SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13	KZLCA0253/23 (25 MAR 23)
*01 APR 2023 04:01-01 APR 2025 04:01* ZLC AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 451935N1174439W (BKE345029.3) TO 451934N1155313W (DNJ003036.2) TO 450037N1153037W (DNJ044033.0) TO 443032N1155309W (DNJ119020.7) TO 445925N1181543W (BKE275021.3) TO POINT OF ORIGIN SFC-5000FT AGL. HELOPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED	KZLCA0252/23 (25 MAR 23)

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\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZLC AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 28.1NM  
RADIUS OF 425733N1083802W (RIW221010.1) SFC-5000FT AGL. HEL OPS  
REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS,  
HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE  
CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED  
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KZLCA0251/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZLC AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
481603N1145959W (FCA258033.1) TO 485357N1143229W (FCA323043.6) TO  
483948N1133505W (FCA023035.8) TO 485656N1125437W (CTB299032.2) TO  
483347N1115611W (CTB073016.2) TO 473155N1103705W (GTF065032.6) TO  
470007N1111312W (GTF148028.0) TO 481942N1132250W (FCA060032.5) TO  
453043N1133445W (LKT023036.4) TO 454141N1143136W (LKT322044.5) TO  
470723N1143757W (MSO287025.9) TO 470130N1145959W (MLP119037.0) TO  
474519N1150000W (MLP040031.7) TO POINT OF ORIGIN SFC-5000FTAGL. HEL  
OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS,  
HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE  
CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED  
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KZLCA0250/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZLC AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 19.2NM  
RADIUS OF 432957N1105115W (JAC203009.1) SFC-5000FT AGL. HEL OPS  
REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS,  
HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE  
CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED  
ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS  
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KZLCA0248/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZLC AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
423925N1130634W (PIH221023.9) TO 440510N1122459W (DBS254008.9) TO  
441026N1112205W (DBS067036.6) TO 421901N1112827W (LHO023039.5) TO  
POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATATO INCLUDE  
OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR  
AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT  
AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF  
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ZLC AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
470156N1115838W (HLN346025.6) TO 465414N1112817W (HLN036026.7) TO  
453536N1095523W (LVM092022.8) TO 440854N1111141W (JAC315037.5) TO  
454130N1125815W (CPN189022.5) TO 462849N1130056W (CPN322029.1) TO  
POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATA  
TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR  
AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT  
AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OFCOMPLIANCE DUE TO  
5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS  
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KZLCA0247/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZLC AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
485254N1101038W (HVR306026.1) TO 484937N1082013W (HVR057059.3) TO  
481014N1081858W (HVR094062.1) TO 481014N1100704W (HVR196026.2) TO  
POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATATO INCLUDE  
OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR  
AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT  
AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF  
COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS  
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KZLCA0246/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZLC AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 20.3NM  
RADIUS OF 475859N1062837W (GGW143015.2) SFC-5000FT AGL. HEL OPS  
REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS,

KZLCA0245/23  
(25 MAR 23)

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HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZLC AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 18.1NM RADIUS OF 391332N1145206W (ELY178004.5) SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13

KZLCA0244/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZLC AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 18.7NM RADIUS OF 455352N1043306W (MLS107065.2) SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13

KZLCA0243/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZLC AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 372739N1122930W (BCE198016.4) TO 374805N1122856W (BCE294010.8) TO 380825N1113014W (HVE232041.4) TO 374342N1110756W (HVE191046.1) TO 372437N1115245W (BCE114026.3) TO POINT OF ORIGIN SFC-5000FT AGL. HELOPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13

KZLCA0242/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZLC AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 442819N1165622W (DNJ222036.0) TO 435438N1154108W (BOI028030.7) TO 430518N1150519W (TWF306045.1) TO 424405N1152941W (TWF271047.0) TO 425638N1165027W (BOI201046.3) TO 440519N1173725W (BKE150045.8) TO POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13

KZLCA0241/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZLC AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 473645N1093140W (LWT350033.7) TO 473852N1082714W (LWT037058.9) TO 455658N1075126W (BIL061033.2) TO 441208N1084159W (COD142027.6) TO 441257N1093155W (COD211034.4) TO 470915N1095508W (LWT281014.1) TO POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13

KZLCA0240/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZLC AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 415528N1180446W (SDO338031.1) TO 415630N1171957W (SDO026045.0) TO 403356N1163350W (BAM078016.3) TO 401953N1180935W (LLC041022.8) TO 402747N1182508W (LLC004021.5) TO POINT OF ORIGIN SFC-5000FT AGL. HELOPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13

KZLCA0239/23  
(25 MAR 23)

\*22 MAR 2023 12:00-01 JUN 2037 00:00\*

ZLC COM DOMESTIC CPDLC AVBL ON KUSA

KZLCA0235/23  
(21 MAR 23)

\*19 MAR 2023 12:00-01 JUN 2037 00:00\*

ZLC AIRSPACE ADS-B, AUTO DEPENDENT SURVEILLANCE

KZLCA0227/23  
(19 MAR 23)

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REBROADCAST (ADS-R), TFC INFO SERVICE BCST (TIS-B), FLT INFO SERVICE BCST (FIS-B) SERVICES MAY NOT BE AVBL WI AN AREA DEFINED AS 131NM RADIUS OF 410749N1130319W. AP AIRSPACE AFFECTED MAY INCLUDE BMC, LGU, MLD. 7000FT AMSL-12000FT	
*14 DEC 2022 14:15-01 JUN 2037 00:00* ZLC ROUTE ZLC. V269 BURLEY (BYI) VOR/DME, ID TO POCATELLO (PIH) VOR/DME, ID MEA 8600.	KZLCA0702/22 (14 DEC 22)
*08 DEC 2022 16:39-01 JUN 2037 00:00* ZLC OR..ROUTE ZLC. V269 WILDHORSE (ILR) VOR/DME, OR R-040 TO FONNA, OR DME NOT AVAILABLE AT FONNA FROM ILR. ILR DME UNUSABLE AT FONNA.	KZLCA0699/22 (08 DEC 22)
*04 OCT 2022 18:44-01 JUN 2037 00:00* V235 OILLY, WY MCA 11200 SOUTHWESTBOUND.	KZLCA0519/22 (04 OCT 22)
*04 OCT 2022 18:44-01 JUN 2037 00:00* V235 BORGG, WY TO OILLY, WY MEA 11500.	KZLCA0518/22 (04 OCT 22)
*23 SEP 2022 13:59-01 JUN 2037 00:00* ZLC ZSE. V520 NEZ PERCE (MQG) VOR/DME, ID MCA 10000 EASTBOUND. V520 NEZ PERCE (MQG) VOR/DME, ID TO ZATIP, ID MEA 12000 EASTBOUND, 6900 WESTBOUND. V520 ZATIP, ID TO SALMON (LKT) VOR/DME, ID MEA 12000.	KZLCA0486/22 (23 SEP 22)
*20 SEP 2022 13:45-01 JUN 2037 00:00* ROUTE ZLC ZSE. J70 MULLAN PASS (MLP) VOR/DME, ID TO LEWISTOWN (LWT) VOR/DME, MT MEA 22000. LWT VOR/DME RESTRICTION.	KZLCA0479/22 (20 SEP 22)
*20 SEP 2022 13:45-01 JUN 2037 00:00* ROUTE ZLC ZMP. J70 LEWISTOWN (LWT) VOR/DME, MT TO DICKINSON (DIK) VORTAC, ND MEA 21000. LWT VOR/DME RESTRICTION.	KZLCA0478/22 (20 SEP 22)
*20 SEP 2022 13:45-01 JUN 2037 00:00* ROUTE ZLC ZSE. J70 MULLAN PASS (MLP) VOR/DME, ID TO LEWISTOWN (LWT) VOR/DME, MT MEA 22000. LWT VOR/DME RESTRICTION.	KZLCA0477/22 (20 SEP 22)
*20 SEP 2022 13:45-01 JUN 2037 00:00* ROUTE ZLC. V120 ESTRO INT, MT TO MILES CITY (MLS) VOR/DME, MT MEA 11000. LWT VOR/DME RESTRICTION.	KZLCA0475/22 (20 SEP 22)
*19 SEP 2022 14:42-01 JUN 2037 00:00* V120 LEWISTOWN (LWT) VOR/DME, MT R-089 TO COP NA FROM 72 NM TO COP EXCEPT FOR ACFT EQUIPPED WITH SUITABLE RNAV SYSTEM WITH GPS. LWT VOR R-089 UNUSABLE BEYOND 72 NM.	KZLCA0469/22 (19 SEP 22)
*19 SEP 2022 14:42-01 JUN 2037 00:00* J70 LEWISTOWN (LWT) VOR/DME, MT R-075 TO COP NA FROM 123 NM TO COP EXCEPT FOR ACFT EQUIPPED WITH SUITABLE RNAV SYSTEM WITH GPS. LWT VOR R-075 UNUSABLE BEYOND 123 NM.	KZLCA0470/22 (19 SEP 22)
*15 JUL 2022 12:21-01 JUN 2037 00:00* ROUTE ZLC. V293 BULLION (BQU) VOR/DME, NV TO ELY (ELY) VOR/DME, NV MEA 16000.	KZLCA0349/22 (15 JUL 22)
*01 JUN 2021 14:30-01 JUN 2037 00:00* ROUTE ZLC. V330 NEEDS, WY FIX NA. RIW VOR/DME FIX RESTRICTED.	KZLCA0240/21 (01 JUN 21)
*19 MAY 2021 18:33-01 JUN 2037 00:00* ZLC UT..ROUTE ZLC ZDV. J196 BRYCE CANYON (BCE) VORTAC, UT TO RIFMN, UT MEA 36000. BCE VORTAC R-033 D160 36000-45000.	KZLCA0218/21 (19 MAY 21)
<b>HILL AFB RESTRICTED AREAS</b>	

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\*28 JUN 2012 00:00-01 JUN 2037 00:00\*  
HILL AFB RESTRICTED AREAS  
Active H24  
R-6402A SFC-FL580  
R-6402B SFC-FL580  
R-6404A SFC-FL580  
R-6404C SFC-FL280  
R-6405 SFC-FL580  
R-6406A SFC-FL580  
R-6406B SFC-FL580  
R-6407 SFC-FL580

\*UAL 01439/12  
(30 SEP 16)

## KZLA / LOS ANGELES

\*13 APR 2023 13:45-13 APR 2023 23:00\*  
ZLA W289S ACT  
F)SFC G)FL420

\*KZLAA1148/23  
(12 APR 23)

\*13 APR 2023 13:45-13 APR 2023 23:00\*  
ZLA W289E ACT  
F)SFC G)FL280

\*KZLAA1147/23  
(12 APR 23)

\*13 APR 2023 13:45-13 APR 2023 23:00\*  
ZLA W289W ACT  
F)SFC G)FL420

\*KZLAA1145/23  
(12 APR 23)

\*13 APR 2023 13:45-13 APR 2023 23:00\*  
ZLA W532E ACT  
F)SFC G)FL420

\*KZLAA1144/23  
(12 APR 23)

\*13 APR 2023 13:45-13 APR 2023 23:00\*  
ZLA W532N ACT  
F)SFC G)FL420

\*KZLAA1143/23  
(12 APR 23)

\*13 APR 2023 13:45-13 APR 2023 23:00\*  
ZLA W532S ACT  
F)SFC G)FL420

\*KZLAA1142/23  
(12 APR 23)

\*13 APR 2023 13:45-13 APR 2023 23:00\*  
ZLA W537 ACT  
F)SFC G)FL420

\*KZLAA1141/23  
(12 APR 23)

\*13 APR 2023 13:00-14 APR 2023 08:11\*  
ZLA W291E ACT  
F)SFC G)FL800

\*KZLAA1140/23  
(12 APR 23)

\*13 APR 2023 14:00-13 APR 2023 23:00\*  
ZLA AIRSPACE DCC WHIP 23-6 STNR ALT RESERVATION WI AN  
AREA DEFINED AS 331300N1222400W TO 325400N1233300W TO  
351100N1252400W TO 362000N1242000W TO POINT OF ORIGIN  
F)SFC G)FL400

\*KZLAA1117/23  
(11 APR 23)

\*04 APR 2023 15:58-01 JUN 2037 00:00\*  
ZLA CA..ROUTE ZLA.  
V388 PARADISE (PDZ) VORTAC, CA TO ACINS, CA MEA 5300 WESTBOUND.

KZLAA1073/23  
(04 APR 23)

\*02 APR 2023 20:00-01 JUN 2037 00:00\*  
ZLA AIRSPACE ADS-B, AUTO DEPENDENT SURVEILLANCE  
SERVICES MAY NOT BE AVBL WI AN AREA DEFINED AS  
47NM RADIUS OF 335405N1195544W. AP AIRSPACE AFFECTED MAY INCLUDE  
CMA, NTD, OXR, SBA. F) 3000FT G) 4000FT.

KZLAA1025/23  
(02 APR 23)

\*02 APR 2023 18:45-01 JUN 2037 00:00\*  
ZLA AIRSPACE ADS-B, AUTO DEPENDENT SURVEILLANCE  
REBROADCAST (ADS-R), TFC INFO SERVICE BCST (TIS-B), FLT INFO  
SERVICE BCST (FIS-B) SERVICES MAY NOT BE AVBL WI AN AREA DEFINED AS  
169NM RADIUS OF 372018N1231949W. AP AIRSPACE AFFECTED MAY INCLUDE  
DVO, MRY, OAR, STS. F) 3000FT G) UNL.

KZLAA1023/23  
(02 APR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*  
ZLA AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
320727N1180424W (MZB213058.4) TO 342308N1204245W (GVO238032.0) TO  
351911N1212223W (MQO262030.3) TO 354530N1200823W (AVE294010.3) TO  
353822N1193033W (EHF281022.2) TO 360804N1191028W (TTE315015.2) TO  
360723N1183502W (TTE043024.7) TO 371138N1183335W (FRA067049.8) TO  
371209N1180420W (OAL180050.2) TO 360634N1173330W (BTY208057.0) TO  
373800N1133827W (EHK235028.7) TO 371516N1125130W (EHK147033.5) TO

KZLAA0940/23  
(25 MAR 23)

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360637N1135752W (PGS310035.6) TO 350948N1130802W (PGS129034.2) TO 344029N1140011W (EED088023.9) TO 321405N1135943W (BZA122044.4) TO 322908N1144942W (BZA200020.4) TO 324244N1144347W (BZA228007.2) TO 323134N1170708W (TIJ252008.5) TO POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZLA AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 375300N1170544W (TPH181009.3) TO 375258N1165456W (TPH131010.5) TO 374614N1170538W (TPH173015.9) TO POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13

KZLAA0939/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZLA AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 354439N1115108W (GCN117019.3) TO 355027N1121913W (GCN215011.1) TO 370814N1114629W (PGA295020.0) TO 362505N1113014W (TBC313021.1) TO POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATATO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13

KZLAA0938/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

RDO ALTIMETER UNREL WI AN AREA DEFINED AS 372731N1122917W (BCE197016.4) TO 372437N1115245W (BCE115026.2) TO 371419N1114841W (PGA304025.4) TO 371051N1122658W (BCE178031.3) TO POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13

KZLAA0937/23  
(25 MAR 23)

\*22 FEB 2023 21:48-01 JUN 2037 00:00\*

ZLA ROUTE ZLA ZDV.  
V210 GRAND CANYON (GCN) VOR/DME, AZ TO TUBA CITY (TBC) VORTAC, AZ MOCA 9700.

KZLAA0623/23  
(22 FEB 23)

\*22 FEB 2023 21:48-01 JUN 2037 00:00\*

ZLA ROUTE ZLA ZDV.  
V208 GRAND CANYON (GCN) VOR/DME, AZ TO TUBA CITY (TBC) VORTAC, AZ MEA 9700.

KZLAA0622/23  
(22 FEB 23)

\*22 FEB 2023 21:48-01 JUN 2037 00:00\*

ZLA ROUTE ZLA.  
V208, V458 VISTA, CA TO JULIAN (JLI) VORTAC, CA MEA 7800.

KZLAA0621/23  
(22 FEB 23)

\*17 JAN 2023 16:39-01 JUN 2037 00:00\*

ZLA CA..ROUTE ZLA.  
V137 PALMDALE (PMD) VORTAC, CA TO VICKY, CA MOCA 6500.

KZLAA0095/23  
(17 JAN 23)

\*13 JAN 2023 14:58-01 JUN 2037 00:00\*

ZLA CA..ROUTE ZLA.  
V458, V66 HEEDS INT, CA DISREGARD BLH R-180 AT HEEDS. DME REQUIRED EXCEPT FOR ACFT EQUIPPED WITH SUITABLE RNAV SYSTEM WITH GPS.  
BLH VORTAC R-180 UNUSABLE AT HEEDS.

KZLAA0078/23  
(13 JAN 23)

\*17 NOV 2009 00:00-01 JUN 2037 00:00\*

ACTIVE ZLA RESTRICTED AREAS

\*UAL 00245/09  
(20 JAN 22)

AREA: NAME: LIMITS:

R2306A/B/C/D YUMA, AZ SFC-UNL  
R2307 YUMA, AZ SFC-UNL  
R2308A/B/C/D YUMA, AZ SFC-UNL  
R2501N/E/S/W BULLION MTNS SFC-FL235



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R2502N/E FT IRWIN, CA SFC-UNL  
R2503C C. PENDLETON SFC-FL270  
R2505 CHINA LAKE SFC-UNL  
R2507N/S/E CHOCOLATE MTS SFC-FL400  
R2508 COMPLEX, CA SFC-UNL  
R2510B EL CENTRO, CA SFC-FL400  
R2512 HOLTVILLE, CA SFC-FL230  
R2515 MUROC LK, CA SFC-UNL  
R2524 TRONA, CA SFC-UNL  
R4806E/W LAS VEGAS SFC-UNL  
R4807A/B TONOPAH, NV SFC-UNL  
R4808N/S LAS VEGAS SFC-UNL  
R4809 TONOPAH, NV SFC-UNL

PER FAA ORDER JO 7400.8  
FOR SUA GRAPHIC SEE:  
<http://sua.faa.gov/sua/siteFrame.app>

\*26 AUG 2021 13:18-01 JUN 2037 00:00\*  
ROUTE ZLA.  
V460, V514, V66 MISSION BAY (MZB) VORTAC, CA TO CANNO, CA MEA 8400  
EASTBOUND.  
PGY VOR UNUSABLE 000 - 020 BYD 10.0NM.

KZLAA2586/21  
(26 AUG 21)

\*11 JUN 2021 14:47-01 JUN 2037 00:00\*  
ROUTE ZLA.  
V518 TWINE, CA TO PALMDALE (PMD) VORTAC, CA MEA 7400.

KZLAA1764/21  
(11 JUN 21)

\*26 APR 2021 19:35-01 JUN 2037 00:00\*  
ROUTE ZLA.  
V386 SAUGS, CA TO PALMDALE (PMD) VORTAC, CA MEA 7400.

KZLAA1172/21  
(26 APR 21)

## Restricted area R-2301W

\*05 NOV 2012 00:00-01 JUN 2037 00:00\*  
R-2301W Ajo East, AZ  
Active H24  
SFC-FL800

\*UAL 01765/12  
(30 SEP 16)

## DESERT MOA - DIRECT ROUTING UNAVBL

\*10 NOV 2013 00:00-01 JUN 2037 00:00\*  
DUE TO SPECIAL MILITARY OPERATIONS SOUTH OF J58-80 AND WEST OF J9-107 DIRECT  
ROUTINGS NORMALLY UNAVAILABLE. (PER DOD/DAFIF CHARTS)

\*UAL 01694/13  
(10 NOV 13)

## KZAB / ALBUQUERQUE

\*08 APR 2023 12:30-01 JUN 2037 00:00\*  
ZAB AIRSPACE ADS-B, AUTO DEPENDENT SURVEILLANCE  
REBROADCAST (ADS-R), TFC INFO SERVICE BCST (TIS-B) SERVICES MAY NOT  
BE AVBL WI AN AREA DEFINED AS 65NM RADIUS OF 345738N1010444W. AP  
AIRSPACE AFFECTED MAY INCLUDE AMA, BGD, CDS, PPA, T45, E34, F21,  
I06.  
4000FT AMSL/5000FT AMSL

KZABA0243/23  
(08 APR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*  
ZAB AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
314041N1053830W (HUP284015.1) TO 312857N1050414W (SFL165016.0) TO  
311420N1042127W (PEQ240042.5) TO 303340N1043427W (MRF285035.7) TO  
304531N1050814W (HUP154050.2) TO 304953N1051831W (HUP163044.4) TO  
311736N1055623W (HUP228033.3) TO POINT OF ORIGIN SFC-5000FT AGL. HEL  
OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS,  
HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE  
CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED  
ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS  
SEE AIRWORTHINESS DIRECTIVE 2021-23-13

KZABA0218/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*  
ZAB AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
312006N1090831W (DUG096025.0) TO 311935N1104029W (OLS109010.4) TO  
315527N1123041W (GBN158062.5) TO 323835N1123007W (GBN141020.7) TO  
325357N1102323W (TUS017055.1) TO POINT OF ORIGIN SFC-5000FT AGL. HELOPS  
REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS,  
HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE  
CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED

KZABA0217/23  
(25 MAR 23)

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ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS  
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\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZAB AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
334315N1110406W (IWA036038.5) TO 344714N1125215W (DRK271019.9) TO  
352350N1115935W (FLG300021.7) TO 354601N1115027W (GCN113018.8) TO  
354159N1101426W (INW021047.0) TO 360138N1081449W (RSK175043.9) TO  
352004N1071159W (ABQ300025.7) TO 345043N1071443W (ABQ228024.2) TO  
344939N1083320W (ZUN092030.6) TO 332515N1085207W (SVC310059.0) TO  
332705N1100247W (SJN206073.7) TO POINT OF ORIGIN SFC-5000FT AGL. HEL  
OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS,  
HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE  
CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED  
ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS  
SEE AIRWORTHINESS DIRECTIVE 2021-23-13

KZABA0216/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZAB AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 18NM RADIUS  
OF 324948N1094216W (SSO314040.4) SFC-5000FT AGL. HEL OPS REQUIRING  
RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER  
AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS  
TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE  
METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE  
AIRWORTHINESS DIRECTIVE 2021-23-13

KZABA0215/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZAB AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
335825N1140001W (PKE088034.8) TO 343945N1140052W (EED090023.5) TO  
350319N1132001W (IGM098032.0) TO 334339N1110459W (IWA035038.2) TO  
325011N1105619W (TUS346044.5) TO 323236N1131935W (GBN219041.2) TO  
340303N1131229W (BXK318040.7) TO POINT OF ORIGIN SFC-5000FT AGL. HEL  
OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS,  
HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE  
CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED  
ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS  
SEE AIRWORTHINESS DIRECTIVE 2021-23-13

KZABA0214/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZAB AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
345353N1001714W (CDS350031.8) TO 342836N1004506W (CDS276023.8) TO  
343553N1015923W (PVW331032.3) TO 343254N1021921W (TXO072025.8) TO  
341912N1024727W (TXO156010.8) TO 340026N1030755W (TXO195032.7) TO  
341948N1034248W (TXO246044.4) TO 364014N1030420W (DHT312043.1) TO  
361603N1010928W (MMB256062.0) TO 354955N0995955W (MMB181031.3) TO  
POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATA  
TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR  
AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT  
AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF  
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KZABA0213/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZAB AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 17.8NM  
RADIUS OF 321225N1085849W (SSO092014.8) SFC-5000FT AGL. HEL OPS  
REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS,  
HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE  
CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED  
ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS  
SEE AIRWORTHINESS DIRECTIVE 2021-23-13

KZABA0212/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZAB AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
335730N1135948W (PKE089035.2) TO 335406N1135301W (PKE092041.5) TO  
333402N1134237W (BXK265044.9) TO 332227N1135939W (BLH095040.7) TO  
POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE  
OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR  
AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT  
AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF  
COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS  
DIRECTIVE 2021-23-13

KZABA0211/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZAB AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS

KZABA0210/23  
(25 MAR 23)

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311712N1021000W (MAF167043.4) TO 303652N1022003W (FST110038.8) TO 303941N1041541W (MRF313027.0) TO 320155N1034752W (CNM110025.6) TO 313836N1031937W (INK186014.5) TO POINT OF ORIGIN SFC-5000FT AGL. HELOPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZAB AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 314655N1075219W (CUS250015.3) TO 325740N1084208W (SVC293033.5) TO 334849N1062955W (ONM140035.4) TO 323853N1050918W (PIO035010.4) TO 311855N1055708W (HUP231033.2) TO 312810N1061310W (ELP159021.0) TO 314434N1062329W (ELP220007.1) TO 314502N1062923W (ELP238011.3) TO 314707N1063159W (ELP250013.0) TO POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13

KZABA0209/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZAB AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 334703N1040841W (CME029035.9) TO 323914N1035254W (CNM024029.6) TO 322757N1035534W (CNM038019.7) TO 320354N1034837W (CNM106024.1) TO 315702N1043151W (CNM208024.0) TO 334047N1050334W (CME301030.1) TO POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13

KZABA0208/23  
(25 MAR 23)

\*01 APR 2023 04:01-01 APR 2025 04:01\*

ZAB AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 344940N1053315W (CNX359028.3) TO 342002N1070334W (ONM256011.9) TO 351948N1071203W (ABQ299025.5) TO 360611N1075447W (RSK153039.8) TO 361155N1072808W (RSK123044.9) TO 364237N1060501W (TAS293010.5) TO 364305N1055146W (TAS005006.9) TO 363911N1044257W (CIM025012.3) TO POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND CAT A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13

KZABA0207/23  
(25 MAR 23)

\*23 FEB 2023 13:19-01 JUN 2037 00:00\*

ZAB AZ..ROUTE ZAB.  
V190 GRINE, AZ TO PEAKS, AZ MOCA 7200.

KZABA0133/23  
(23 FEB 23)

\*13 JAN 2023 14:55-01 JUN 2037 00:00\*

ZAB TX..ROUTE ZAB.  
V402 SIDER INT, TX MRA AT SIDER 7000 EXCEPT FOR DME EQUIPPED AIRCRAFT.  
DHT VOR R-146 UNUSABLE BELOW 7000.

KZABA0029/23  
(13 JAN 23)

\*13 JAN 2023 14:55-01 JUN 2037 00:00\*

ZAB TX..ROUTE ZAB.  
V12 VEGGE, TX MRA AT VEGGE 7000 EXCEPT FOR DME EQUIPPED AIRCRAFT.  
DHT VOR R-159 UNUSABLE BELOW 7000.

KZABA0028/23  
(13 JAN 23)

\*04 JAN 2023 18:45-01 JUN 2037 00:00\*

ZAB AZ..ROUTE ZAB.  
T306 BUCKEYE (BXX) VORTAC, AZ TO PERKY, AZ MEA 5300.  
T306 PERKY, AZ TO PHOENIX (PXR) VORTAC, AZ MEA 4400.

KZABA0016/23  
(04 JAN 23)

\*04 JAN 2023 18:45-01 JUN 2037 00:00\*

ZAB AZ..ROUTE ZAB.  
V16 BUCKEYE (BXX) VORTAC, AZ TO PERKY, AZ MEA 5300.  
V16 PERKY, AZ TO PHOENIX (PXR) VORTAC, AZ MEA 4400.

KZABA0017/23  
(04 JAN 23)

\*18 OCT 2022 12:08-01 JUN 2037 00:00\*

ZAB NM..ROUTE ZAB.  
V264 TUCUMCARI (TCC) VORTAC, NM R-233 TO CORONA (CNX) VORTAC, NM

KZABA0498/22  
(18 OCT 22)

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R-051 MOCA 9200.	
*01 JUL 2022 13:48-01 JUN 2037 00:00* ROUTE ZAB. V263 ALBUQUERQUE (ABQ) VORTAC, NM TO SANTA FE (SAF) VORTAC, NM MEA 9400. V62 ZIASE, NM TO SANTA FE (SAF) VORTAC, NM MEA 9400.	KZABA0285/22 (01 JUL 22)
*04 AUG 2021 19:29-01 JUN 2037 00:00* ROUTE ZAB. V528 PAYSO, AZ TO ST JOHNS (SJN) VORTAC, AZ MOCA 9900.	KZABA0346/21 (04 AUG 21)
*07 JUN 2021 13:30-01 JUN 2037 00:00* J184 DEMING (DMN) VORTAC, NM R-274 TO BUCKEYE (BXK) VORTAC, AZ R-090 NA EXCEPT FOR ACFT EQUIPPED WITH SUITABLE RNAV SYSTEM WITH GPS. DMN VORTAC AND BXK VORTAC UNUSABLE AT CHANGE OVER POINT.	KZABA0245/21 (07 JUN 21)
*03 MAY 2021 14:43-01 JUN 2037 00:00* V395 U.S. BORDER TO NOGALES (OLS) VOR/DME, AZ MOCA 6700.	KZABA0186/21 (03 MAY 21)
<b>Restricted area R-2301E</b>	
*05 NOV 2012 00:00-01 JUN 2037 00:00* R-2301E Ajo East, AZ Closed daily 1230-0800Z. Other times by NOTAM. SFC-FL800	*UAL 01764/12 (30 SEP 16)
<b>white sands restricted area</b>	
*28 DEC 2015 08:00-01 JUN 2037 00:00* R-5103A/B/C R-5107A/B/C/D/E/F/G/H/J/K R-5109A/B R-5111A/B/C R-5113 R-5119	*UAL 01626/12 (30 SEP 16)

**UAL430 13APR23/1715 KDEN/KONT**

N I L

**UAL2156 13APR23/2028 KONT/KDEN**

N I L