

COMP.BY+TIME: marekan / 29-07-2019 / 06:57:24Z

FLT : CSA631 PLN PAX : 167 PLN CARGO: \*PT-CARGO Kg DATE: 29.07.2019
AC/REG : B738 /OKTST PERF COEF: 4 CREW: \*PT-CCPL WX VALIDITY: 07290710
AC CONF: \*PT-ACC PANTRY : \*PT-PTRY

CAPT : ..... F/O: ..... CTOT INFO: ..... TOTAL PERS: .....

ADEP : BRUSSELS NATION EBBR/BRU 07:10Z RW25R.SOPOK6Z.SOPOK
ADES : PRAGUE/RUZYNE LKPR/PRG 08:25Z LOMKI.LOMKI7S.RW24
ALTN1: PARDUBICE LKPD/PED
ALTN2: /
ERA : /

ADEP ALTN: / ADEP STAND: .....

VERT.PROF: EBBR/FL350/

Table with columns: TRIP, TIME, FUEL, GND DIST, AIR DIST, WCOMP, WDIR, ISA DEV, DOW/DOI. Rows include trip details, fuel consumption, and distance metrics.

ADEP OFF BLOCK ..... TAKEOFF .....
ADES IN BLOCK ..... LANDING .....
BLOCK TIME ..... FLT TIME ..... FUEL REM .....

FL.PLANNING NOTICE:

TNKRG INFO: GAIN 41\$/TON \*PT-UPLIFTPNLTY

TRIP FUEL MODIFICATIONS: STATISTICAL EXTRA FUEL: FUEL INFO ADEP:
ZFW +/- 1000KG 32 Kg NO. OF FLTS : 102 \*PT-FPRICEDEP
TRIP FUEL FOR +2000FT 3202 Kg 95% STAT : -69 FUEL INFO ADES:
TRIP FUEL FOR -2000FT 3220 Kg 99% STAT : -22 \*PT-FPRICEDES
REMARK :

ADEP ATIS: .....

RTE: EBBR SOPOK UY863 ETENO Y863 RUDUS UL984 KOMIB DCT TONSU Z35
LOMKI

ATC CLRN: .....

RWY: ..... F: ..... DER: ..... ASS.TMP= ..... N1= ..... V1= ..... VR= ..... V2= .....

RWY: ..... F: ..... DER: ..... ASS.TMP= ..... N1= ..... V1= ..... VR= ..... V2= .....

ENG-OUT PROC.: .....

RVSM: ALTITUDE CAPT ..... F/O ..... ALTIMETERS: STBY .....
FL ..... CAPT ..... F/O ..... STBY .....

ETOPS CROSSFEED CHECK: PRE-DEPARTURE: TIME ..... STATUS .....  
 (ETOPS FLIGHTS ONLY) LAST HOUR OF CRUISE FLIGHT: TIME ..... STATUS .....

AWY	COORD	WPT	/NAME	TM	MT	DIST	W/	TAS	FL	FU	FOB
G.MORA FIR	N50:54.1 E004:29.1	EBBR 184ft	BRUSSELS NATION	1:15	450					aFU	5384 aFOB
SOP06Z 34 EBBU	N50:15.2 E005:46.4	SOPOK .....	SOPOK .....	14 1:01	127 129	85 365	216/ 014	353 360	CLB 11	1364	4213 4019
UY863 43 EBBU	N50:10.9 E006:11.5	ETENO .....	FIR ETENO .....	3 0:58	103 105	16 349	216/ 014	353 360	CLB 11	1584	3993 3799
Y863 43 EDUU	N50:12.6 E006:38.6	OGLOR .....	OGLOR .....	3 0:55	082 084	18 331	216/ 014	353 360	CLB 11	1832	3745 3551
Y863 43 EDUU	N50:13.3 E006:50.9	ROPUV .....	ROPUV .....	1 0:54	083 085	8 323	216/ 014	353 360	CLB 11	1942	3635 3441
Y863 43	N50:13.1 E006:55.6	-TOC- .....	.....	0 0:54	093 092	3 320	292/ 033	452 483	350 6	1984	3593 3399
Y863 43 EDUU	N50:11.8 E007:19.7	EMGOD .....	EMGOD .....	2 0:52	093 092	15 305	292/ 033	452 483	350 6	2057	3519 3325
Y863 37 EDUU	N50:04.4 E007:54.4	UBIDU .....	UBIDU .....	3 0:49	106 107	24 281	260/ 021	452 470	350 6	2178	3398 3204
Y863 43 EDUU	N50:02.9 E008:04.7	RUDUS .....	RUDUS .....	1 0:48	101 102	6 275	260/ 021	452 471	350 6	2209	3368 3174
UL984 43 EDUU	N50:03.2 E008:38.2	FFM 114.20	FRANKFURT MAIN	3 0:45	087 087	22 253	260/ 021	452 473	350 6	2319	3258 3064
UL984 43 EDUU	N50:03.4 E008:48.0	BOMBI .....	BOMBI .....	1 0:44	086 086	6 247	260/ 021	451 472	350 6	2349	3228 3034
UL984 48 EDUU	N50:03.8 E009:11.4	ESATI .....	ESATI .....	2 0:42	085 085	15 232	260/ 021	451 472	350 6	2424	3153 2959
UL984 48 EDUU	N50:04.0 E009:29.2	LOHRE .....	LOHRE .....	2 0:40	086 088	12 220	204/ 015	450 456	350 5	2486	3090 2896
UL984 48 EDUU	N50:04.2 E009:47.0	OSBIT .....	OSBIT .....	1 0:39	086 088	11 209	204/ 015	450 456	350 5	2543	3034 2840
UL984 48 EDUU	N50:04.4 E010:05.9	RASPU .....	RASPU .....	2 0:37	086 088	12 197	204/ 015	450 456	350 5	2605	2972 2778

AWY	COORD	WPT	/NAME	TM	MT	DIST	W/	TAS	FL	FU	FOB
G.MORA		FREQ	CT	AT	TTGO	MH	DTGO	V	GS	+ISA	mFOB
FIR										aFU	aFOB
UL984	N50:04.4	KOMIB	KOMIB		1	087	6	204/	450	350	2941
48	E010:14.6		....	....	0:36	089	191	015	456	5	2747
EDUU											
DCT	N49:58.2	TONSU	TONSU		5	096	38	204/	450	350	2744
48	E011:13.5		....	....	0:31	098	153	015	454	5	2550
EDUU											
Z35	N49:57.4	BAROB	BAROB		2	090	15	094/	448	350	2665
41	E011:37.0		....	....	0:29	090	138	004	444	4	2471
EDUU											
Z35	N49:56.8	RONIG	RONIG		2	090	12	094/	448	350	2602
41	E011:55.9		....	....	0:27	090	126	004	444	4	2408
EDUU											
Z35	N49:56.4	-TOD-			3	088	12	094/	448	350	2530
48	E012:14.6		....	....	0:24	088	114	004	444	4	2336
Z35	N49:56.2	ODOMO	FIR ODOMO		0	088	4	068/	202	DSC	2527
48	E012:20.6		....	....	0:24	088	110	008	191	11	2333
EDUU											
Z35	N49:54.6	LOMKI	LOMKI		8	088	35	068/	202	DSC	2422
58	E013:14.5		....	....	0:16	087	75	008	191	11	2228
LKAA											
LOMKI7	N50:06.0	LKPR			16	069	75	068/	202		2197
58	E014:15.6	1234ft	....	....	0:00	069	0	008	191	11	2003

ADES ATIS: .....

ROUTE TO ALTERNATE:

Alternate LKPD BEKVI

DCT	N50:04.4	BEKVI	STAR WAYPOINT		7	091	28	076/	322	90	1889
47	E014:43.3		....	....				012	311	10	1695
LKAA											
STAR	N50:03.5	GOLIN	STAR WAYPOINT		3	091	10	076/	322	90	1779
47	E014:59.1		....	....				012	311	10	1585
LKAA											
STAR	N50:00.7	PK	PARDUBICE		8	091	32	076/	322	DSC	1427
73	E015:48.8	432.00	....	....				012	311	10	1233
LKAA											
STAR	N50:00.8	RW27	STAR WAYPOINT		0	269	2	076/	322	DSC	1405
73	E015:45.4		....	....				012	333	10	1211
LKAA											

AWY	COORD	WPT	/NAME	TM	MT	DIST	W/	TAS	FL	FU	FOB	
G.MORA		FREQ	CT	AT	TTGO	MH	DTGO	V	GS	+ISA	mFOB	
FIR										aFU	aFOB	
DCT	N50:00.8	LKPD	PARDUBICE		1	269	1	076/	322	DSC	4183	1394
73	E015:44.3		....	....				012	333	10		1200

ICAO	NAME	WIND	FL	NM	MT	TIME	FUEL	---	BLOCK---
EDDC	DRS DRESDEN	70/ 10	160	90	339	0:22	1003	2:07	5678
LKTB	BRQ BRNO/TURANY	86/ 7	230	135	116	0:30	1330	2:15	6005
LKMT	OSR OSTRAVA/MOSNOV	108/ 4	310	176	094	0:36	1649	2:21	6324
EPWR	WRO WROCLAW/STRACHO	86/ 8	250	142	054	0:31	1389	2:16	6064
EDDN	NUE NURNBERG	69/ 8	260	153	251	0:33	1469	2:18	6144 ERA
LZIB	BTS BRATISLAVA/M.R.	122/ 7	330	189	130	0:37	1748	2:22	6423

FIR: EET/EDUU0017 LKAA0053

ENROUTE WINDS

IDENT	FL 260		FL 300		FL 340		FL 380		FL 410	
	W/V	TMP	W/V	TMP	W/V	TMP	W/V	TMP	W/V	TMP
SOPOK	260/015	-26	312/014	-35	292/031	-45	288/034	-51	289/028	-54
ETENO	260/015	-26	312/014	-35	292/031	-45	288/034	-51	289/028	-54
OGLOR	260/015	-26	312/014	-35	292/031	-45	288/034	-51	289/028	-54
ROPUV	260/015	-26	312/014	-35	292/031	-45	288/034	-51	289/028	-54
-TOC-	260/015	-26	312/014	-35	292/031	-45	288/034	-51	289/028	-54
EMGOD	260/015	-26	312/014	-35	292/031	-45	288/034	-51	289/028	-54
UBIDU	215/011	-26	222/010	-36	260/015	-46	314/026	-52	307/022	-53
RUDUS	215/011	-26	222/010	-36	260/015	-46	314/026	-52	307/022	-53
FFM	215/011	-26	222/010	-36	260/015	-46	314/026	-52	307/022	-53
BOMBI	215/011	-26	222/010	-36	260/015	-46	314/026	-52	307/022	-53
ESATI	215/011	-26	222/010	-36	260/015	-46	314/026	-52	307/022	-53
LOHRE	187/009	-25	176/013	-36	204/016	-47	252/015	-53	278/012	-54
OSBIT	187/009	-25	176/013	-36	204/016	-47	252/015	-53	278/012	-54
RASPU	187/009	-25	176/013	-36	204/016	-47	252/015	-53	278/012	-54
KOMIB	187/009	-25	176/013	-36	204/016	-47	252/015	-53	278/012	-54
TONSU	118/006	-26	096/007	-36	094/004	-47	228/003	-53	256/005	-54
BAROB	118/006	-26	096/007	-36	094/004	-47	228/003	-53	256/005	-54
RONIG	118/006	-26	096/007	-36	094/004	-47	228/003	-53	256/005	-54
-TOD-	118/006	-26	096/007	-36	094/004	-47	228/003	-53	256/005	-54
ODOMO	118/006	-26	096/007	-36	094/004	-47	228/003	-53	256/005	-54
LOMKI	069/008	-26	052/010	-36	050/010	-47	076/006	-53	011/005	-54

ATC FPL:

(FPL-CSA631-IS  
 -B738/M-SDFGILORVWXYZ/LB1  
 -EBBR0710  
 -N0452F350 SOPOK UY863 ETENO Y863 RUDUS UL984 KOMIB DCT  
 TONSU Z35 LOMKI  
 -LKPR0115 LKPD  
 -PBN/A1B1D101S2 COM/ACASII DOF/190729 REG/OKTST  
 EET/EDUU0017 LKAA0053 SEL/GLCJ CODE/49D403 RVR/550 OPR/CSA  
 ORGN/LKPRTVSX PER/C RMK/CALLSIGN CSA LINES, OCC CTC  
 00420220116089  
 -E/0210 P/169 R/UYE J/L  
 A/WHITE  
 C/)

BRIEFING PACKAGE



29-jul-2019 04:14:47 UTC

OK631 29JUL2019 EBBR-LKPR B738 OKTST RELEASE 0315 29JUL19
OFF 4 BRUSSELS/BRUSSE-PRAGUE/RUZYNE
WX PROG 2906 2909 OBS 2818 2818

OK631 B737-800 EBBR/BRU LKPR/PRG CRZ SYS CI20
29JUL2019 OKTST 0710/0724 0832/0838 GND DIST 435
CTOT:..... STA 0835 AIR DIST 426

MAXIMUM TOM 78999 LAM 66360 ZFM 62731 AVGE WIND 272/008
ESTIMATED TOM 64528 LAM 61478 ZFM 58977 AVGE W/C P008
AVG ISA P009

PAX 167

ALTN LKPD TKOF ALTN .....

TO DEST LKPR

FUEL TIME
TRIP 3050 0108
MINCONT 194 0005
ALTN 1167 0026 LKPD
FRSV 1140 0030

ADDT 0 0000
TOF 5551 0209
TAXI 193
FOB 5744
CMD EXTRA .....
BLOCK .....

NO TANKERING RECOMMENDED
LOSS FOR EXTRA FUEL: 0 USD/TO

ZFM 59977: PLN TOF 5613 /TRIP 3079 5 MIN HOLD LKPR: 202 EXTRA
ZFM 57977: PLN TOF 5489 /TRIP 3019 (INCL. 12 TRANSP)

STATISTICAL EXTRA FUEL
NO EXTRA FUEL DATA FOR THIS FLIGHT AVAILABLE

REMARKS:

MEL-CDL DESCRIPTION
20-NSRIL-A-3 N/A
25-NSRIL-B-2 N/A
33-NSRIL-A-1 N/A

**BRIEFING PACKAGE**



29-jul-2019 04:14:47 UTC

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PREP BY NIKOLA TADIAL

COMMANDER SIGN

TEL:+420 220 104 110

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BRIEFING PACKAGE



29-jul-2019 04:14:47 UTC

ROUTING:

EBBR/25R SOPOK8C SOPOK UY863 ETENO Y863 RUDUS UL984 KOMIB DCT TONSU  
Z35 LOMKI LKPR/24

ALTN LKPD

TKOF ALTN .....

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TO DEST LKPR

	FUEL	TIME	
TRIP	3050	0108	
MINCONT	194	0005	
ALTN	1167	0026	LKPD
FRSV	1140	0030	

ADDT	0	0000
TOF	5551	0209
TAXI	193	
FOB	5744	

ZFW CORR	PS 1000	PLNTOF	PS 62
	MS 1000	PLNTOF	MS 62

ONE FL BELOW		
TRIP	PS 28	TIME PS 0001

BRIEFING PACKAGE



29-jul-2019 04:14:47 UTC

FROM: EBBR ELEV +110 TO: LKPR ELEV +1158 ALTN: LKPD ELEV +731

FLT: OK 631 ATC C/S: CSA631

COST INDEX 20 AVGE FF 2694
LVLS: 350 AVGE ISA DEV P009
TEMP TOC -45 AVGE WIND 272/008
AVGE W/C P008

ROUTE ID: BRUPRG1

EBBR/25R SOPOK8C SOPOK UY863 ETENO Y863 RUDUS UL984 KOMIB DCT TONSU
Z35 LOMKI LKPR/24

ALTN LKPD TKOF ALTN .....

ATIS:

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RVSM: ALT SYS LEFT: STBY: RIGHT:

ALT SYS LEFT: STBY: RIGHT:

RUNWAY ..... DRY/WET/ADV WIND ..... FLAP .....

PACKS ON/OFF QNH ..... V1 .....

ANTI-ICE ON/OFF BLEED ..... VR .....

MALFUNCTIONS ..... TECH ..... V2 .....

THRUST FULL/DERATE.... / AST.... LIMTOM ..... EPR/N1 .....

DEPARTURE ATC CLEARANCE:

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TIME FOR:

EBBR LKPR
STD 0710 STA 0835
ETD 0710 ETA 0838
ETOT 0724 ELDT 0832
CTOT ...

ACTUAL:

.... / .... . .... / ....



## BRIEFING PACKAGE



29-jul-2019 04:14:47 UTC

AWY POSITION	TRK DST	TAS G/S	VAR SPD	MORA	AFL FL	TEMP W/V	W/C TROP	TIME TOT	PLANDTO ETO/ATO	EFOB AFUREM	BURN ABURN
TAXI EBBR/25R	146				110				.... / ....	5551	193
SOPOK8C SOPOK	103 69		02E 280	32	... CLB	M10	P000 41	13 0013	.... / ....	4250	1494
UY863 -ETENO	082 17		02E 280	34	... CLB	M35	P016 26/017 41	02 0015	.... / ....	4095	1649
Y863 OGLOR	083 17		02E 280	34	... CLB	M42	P027 28/028 41	02 0017	.... / ....	3950	1794
Y863 TOC	083 6		02E 280		... 350	M45	P031 29/034 41	01 0018	.... / ....	3906	1838
Y863 ROPUV	093 2	449 481	02E 764	33	... 350	M46	P032 29/035 41	00 0018	.... / ....	3900	1844
Y863 EMGOD	106 19	449 480	02E 764	34	... 350	M46	P031 29/033 41	02 0020	.... / ....	3809	1935
Y863 UBIDU	101 23	449 479	02E 764	32	... 350	M46	P030 30/031 41	03 0023	.... / ....	3693	2051
Y863 RUDUS	086 7	449 477	02E 764	32	... 350	M46	P028 30/029 40	01 0024	.... / ....	3659	2085
UL984 FFM	086 22	449 473	03E 765	40	... 350	M47	P024 30/027 40	03 0027	.... / ....	3550	2194
UL984 BOMBI	086 6	449 472	03E 765	30	... 350	M47	P023 29/026 39	01 0028	.... / ....	3519	2225
UL984 ESATI	086 15	449 471	03E 765	29	... 350	M47	P022 28/023 39	01 0029	.... / ....	3443	2301
UL984 LOHRE	086 11	447 467	03E 765	30	... 350	M48	P020 27/020 39	02 0031	.... / ....	3385	2359
UL984 OSBIT	086 11	447 465	03E 766	30	... 350	M48	P018 25/018 39	01 0032	.... / ....	3326	2418
UL984 RASPU	087 12	447 463	03E 766	29	... 350	M48	P016 24/018 39	02 0034	.... / ....	3264	2480
UL984 KOMIB	096 6	447 461	03E 766	28	... 350	M49	P014 23/017 39	01 0035	.... / ....	3236	2508
DCT TONSU	089 38	447 454	03E 767	30	... 350	M49	P006 22/012 38	05 0040	.... / ....	3035	2709

BRIEFING PACKAGE



29-jul-2019 04:14:47 UTC

AWY POSITION	TRK DST	TAS G/S	VAR SPD	MORA	AFL FL	TEMP W/V	W/C TROP	TIME TOT	PLANDTO ETO/ATO	EFOB AFUREM	BURN ABURN
Z35 BAROB	090 15	449 451	03E 768	44	... 350	M49 20/006	P002 38	02 0042	..../....	2956	2788
Z35 RONIG	088 12	449 451	04E 768	45	... 350	M49 22/002	P002 38	01 0043	..../....	2892	2852
Z35 TOD	088 9	449 450	04E 768		... DSC	M49 34/002	P001 38	02 0045	..../....	2843	2901
Z35 ODOMO	089 7		04E 280	45	... DSC	M45 00/003	M000 38	01 0046	..../....	2833	2911
Z35 -LOMKI	089 35		04E 280	43	... DSC	M27 05/006	M005 39	05 0051	..../....	2800	2944
LOMKI7S LKPR/24			04E 280	38	... P6		M004 39	17 0108	..../....	2501	3243

ATIS  
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ALTERNATE ROUTE TO:								FRSV	1140	
APT	TRK	DST	VIA				FL	WC	TIME	FUEL
LKPD	091	97	DCT	BEKVI			90	M006	0026	1167
EDDC	330	126	VENOX	Y621	GARKI	DCT	180	P001	0028	1294
LKTB	131	211	VOZ	Z30	VLM	L726	230	M004	0042	1897
LKMT	105	243	VOZ	P27	BODAL	T709	250	M004	0047	2082

POSITION	COORD	100	170	230	320	340	360	380
TOC	N5013.1 E00647.3	P04 18/011	M08 20/011	M19 22/013	M40 29/023	M44 29/032	M48 29/035	M50 29/034
ROPUV	N5013.3 E00650.9	P04 18/011	M08 20/011	M19 22/013	M40 29/023	M44 29/032	M48 29/035	M50 29/034
EMGOD	N5011.8 E00719.7	P04 17/009	M08 20/009	M20 21/013	M40 30/022	M44 30/030	M48 30/034	M51 30/033
UBIDU	N5004.4 E00754.4	P04 16/008	M08 20/007	M19 21/012	M40 29/020	M44 30/028	M48 30/031	M51 31/032

**BRIEFING PACKAGE**



29-jul-2019 04:14:47 UTC

POSITION	COORD	100	170	230	320	340	360	380
RUDUS	N5002.9 E00804.7	P04 16/007	M08 20/006	M19 21/012	M40 29/020	M45 29/027	M48 30/030	M51 31/032
FFM	N5003.2 E00838.2	P04 15/007	M08 19/005	M19 21/011	M40 27/019	M45 28/025	M49 30/027	M52 31/031
BOMBI	N5003.4 E00848.0	P04 15/007	M08 19/005	M19 21/011	M41 27/019	M45 28/024	M49 30/026	M52 31/030
ESATI	N5003.8 E00911.4	P04 14/005	M08 19/006	M19 21/010	M41 25/016	M45 26/019	M49 29/022	M52 31/027
LOHRE	N5004.0 E00929.2	P04 12/004	M08 18/006	M19 21/010	M41 23/016	M46 24/017	M50 28/020	M52 30/025
OSBIT	N5004.2 E00947.0	P05 10/004	M08 18/006	M18 22/009	M41 21/017	M46 22/018	M50 27/018	M53 29/024
RASPU	N5004.4 E01005.9	P05 09/004	M08 18/006	M18 22/008	M41 20/018	M47 21/019	M51 26/017	M53 29/022
KOMIB	N5004.4 E01014.6	P05 10/004	M08 18/006	M18 22/007	M41 20/017	M47 21/017	M51 25/016	M54 28/020
TONSU	N4958.2 E01113.6	P05 13/006	M08 15/005	M18 29/002	M41 21/007	M46 20/007	M52 20/009	M56 24/011
BAROB	N4957.4 E01137.0	P05 12/006	M08 14/005	M18 35/001	M41 22/003	M46 21/003	M52 21/005	M56 25/008
RONIG	N4956.8 E01156.0	P05 12/007	M08 12/005	M18 04/002	M41 34/002	M46 31/001	M52 25/002	M56 27/006
TOD	N4956.5 E01210.4	P05 11/007	M08 11/005	M18 05/003	M41 00/004	M46 01/003	M51 32/003	M56 29/005

ROUTE INFO:

GND DIST        805 KM            435 MILES  
 FL                10668 M            35000 FEET  
 SPEED            891 KM/H          481 KTS  
 OAT               -46 C  
 TIME DIFF      LT = UTC +2



29-jul-2019 04:14:47 UTC

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FF EUCHZMFP EUCBZMFP  
290317 LKPRCSAO  
(FPL-CSA631-IS  
-B738/M-SDFGHIJ1LORVWXY/HB1  
-EBBR0710  
-N0448F350 SOPOK8C SOPOK UY863 ETENO Y863 RUDUS UL984 KOMIB DCT  
TONSU Z35 LOMKI  
-LKPR0058 LKPD  
-PBN/A1B1D1L1O1S2 DOF/190729 REG/OKTST EET/EBUR0007 EDUU0014  
LKAA0046 SEL/GLCJ CODE/49D403 OPR/CSA PER/C RVR/550 RMK/TCAS)