

**486**

November 2019

# Scramble



***3rd CAB deploys to Europe  
Canadian Sea Kings  
Mexico 2019  
China at 70***



**D U T C H   A V I A T I O N   S O C I E T Y**



Indonesia Air Asia took delivery of this A320 PK-AZN on 5 September 2019. It is the former 9M-AQU of AirAsia. They have repainted it in a special livery of Dnars Indonesia, an Indonesian skincare line. (Denpasar-Ngurah Rai, 16 October 2019, Pascal Simon)



Since the beginning of October Etihad B787 A6-BLF is wearing the Choose China livery. Frank Schuchardt made this picture on 12 October 2019 at Frankfurt.



At the day of the premiere of the animation movie Shaun the Sheep - UFO Alarm Sunexpress, revealed their logo jet TC-SNU. It seems that this livery will be removed in the beginning of 2020. So if you want to make a picture, you need to hurry up. (Munich, 20 October 2019)

## Editorial

Due to some missing sections this issue of Scramble contains less pages than what you are used to from us, but we make up with a few nice articles.

First up is an overview of Canadian Sea Kings followed by a report on the Mexican 2019 Parade. We have a 'colourful' (literal!) report on the celebrations of seventy years Republic of China plus yet another massive troop movement from CONUS to Europe, to support Operation Atlantic Resolve, with 3rd CAB arriving in Zeebrugge from where they will be dispersed over Europe.

For the last time we will announce the next edition of the Aviation Day, which will take place on 30 November at Skydeck, Teuge airport. The Aviation Day 2019 will feature the Scramble Air Fete and the National Spotters Championships (NSK). More information about this event can be found in the advertisement in this number after the Dustpan & Brush section. Next month we will be able to announce the winner of the coveted trophy!

We will soon start preparations for new editions of the Scramble World Airlines Fleets, Scramble Military Serials Europe and Scramble Military Transports. For this we are looking for pictures to illustrate them. Obviously we like stunning front covers, which is a portrait-style photo at high resolution, which should be able to accommodate the Scramble logo and publication title below the subject. This leads to a minimum size requirement of 2100x3000 pixels. It is best to study a few Scramble front covers to see what we need.

## Cover Photo



*This Scramble edition features an article on the arrival in Europe of the 3rd Combat Aviation Brigade (CAB) and the return of the 1st CAB back to the USA. Many helicopters arrived at Eindhoven on the way to the Rotterdam Harbour, like this CH-47F 15-08194 of 2-1st AVN (Co.B). (Eindhoven, 15 October 2019, Detlev Schigt)*

## Important dates

Scramble 487	
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<b>SMS North America 2019-2020</b>	<b>183</b> pages
<b>Scramble Military Transports 2017</b>	<b>87</b> pages

# Movements Netherlands



In May 2019 Delta Air Lines took delivery of its first A330-900. It is one of 37 A330neos the airline has on order. From July 2020 the type is expected on the regular service to Amsterdam. N403DX on this photo was delivered in August 2019 and operated its first revenue service on the day this photo was taken. (Amsterdam - Schiphol, 15 September 2019, Ramon Kok)

## Amsterdam - Schiphol

		September 2019	
01.9H-GPS	Ce560XL	Luxwing	LWG204/294
9H-JLK	Falcon 7X	TAG Aviation Malta	05 TEU11
9H-VFF	CL-605	VistaJet Malta	VJT551
CS-EJE	Ce560XLS	EJME (Portugal)	f/v JME387Y
D-BOOK	Falcon 2000LX	Bertelsmann	02 BFD01K/65H
D-CEFO	Ce560XLS+	Air Hamburg	AHO371M
D-CHLR	EMB505	Atlas Air Service	dep ATL9K
D-CSCA	Ce525B	Silver Cloud Air	02 SCR378
D-IOHL	Ce525A	Excellent Air	02 ECA3C
D-ISAR	Raytheon 390	Euroflug Frenzel	02
G-OCAK	Global XRS	Gama Aviation	dep GMA301
LX-ONE	Lj45	Lux. Air Ambulance	02 LRQ550
LX-VMF	Ce560XL	Luxaviation	04 LXA15P
N1DM	G280	Macneil Aviation	f/v 06
N173NY	G550	Clay Lacy Aviation	
OE-HIL	CL-350	Avcon Jet	f/v AOJ75L
OO-XLS	Ce560XLS+	Air Service Liège	dep
OY-RSE	PC-12/47E	Air Alsie	02
SX-KAT	A320-232	Orange2fly	f/v OTF519P/TRA5427
VH-PPJ	Do328-110	AeroRescue/EASP Air	02
VP-BCL	CRJ702	Consolidated Contractors	03
YU-FNR	Ce525	Eagle Express	EES300
02.2-ZEUZ	Beech C90A	Zeusch Aviation	dep
4X-ECF	B777-258ER	EI AI	ELY337/8
D-BOOK	Falcon 2000LX	Bertelsmann	BFD65T
D-CAPO	Lj35A	Jet Executive	JEI414
EC-LRM	A320-232	Gowair (a/w)	f/v JAF074P/TFL593
I-CRFX	ERJ135BJ	Sirio	04 SIO410
LX-EVM	Falcon 2000LX	Global Jet Luxembourg	SVW29VM
M-NTOS	Ce525C	Selementos	03
N1SF	G550	Gulf States Toyota	f/v 03
N650FX	G650	Flexjet	f/v 03
N910RW	TBM-910	Redwood	04
N890DA	G550	Craig Protein Division	f/v 05
OE-FUX	Ce525A	Bairline	
OO-XLS	Ce560XLS+	Air Service Liège	04
SP-AST	Ce525	Aircraft Mgmt & Cons.	dep AMQ9T
SX-KAT	A320-232	Orange2fly	TRA5428/5311/2/079
03.2-ZEUZ	Beech C90A	Zeusch Aviation	04
2-JSEG	Eclipse 500	Classic LP	04
D-BERT	Falcon 2000LX	Bertelsmann	04 BFD03T/04T
D-IMHA	Ce525A	MHS Aviation	MHV52A
D-INNN	DA62		f/v
EC-LRM	A320-232	Gowair (a/w)	TFL594/533
EC-LRM	A320-232	Gowair (a/w)	04 TFL534/725
EK32008	A320-211	Atlantis Europ. Airways	f/v TAR880/1
G-ZVIP	Beech 200	Capital Air Ambulance	EGL23
HL8275	B777-3B5ER	Korean Air	f/v KAL925/6
LX-FPF	Ce525B	Flying Group Lux.	FYL51F/42F
LX-ONE	Lj45	Lux. Air Ambulance	LRQ565
M-INER	Global 6000	ICC Aviation	
N508CK	G500	Talon Air	dep TFF158
N534RV	BAe125-800XP	REVA Air Ambulance	f/v
N733MA	B737-81Q	TUI Netherlands	dep TRA051

OE-FCO	Ce510	GlobeAir	GAC405P/Q
OE-FZB	Ce510	GlobeAir	GAC301J/189L
OE-GFC	IAI1125SPX	Tyrol Air Amb.	f/v 04 TYW686/2
OE-HMR	Falcon 2000LX	MHS Aviation	04 MHV20X
OK-VPI	G550	ABS Jets	04 ABP922/1
OM-CJI	Ce525	ATF Aviation	f/v
SP-KCK	Ce525A	Jet Story	JDI40D
T7-BRE	CL-604	ACASS Canada	f/v 04
04.4X-ECB	B777-258ER	EI AI	ELY337/8
D-CAWX	Ce680	Aerowest	
EC-LRM	A320-232	Gowair (a/w)	TFL726/175
EC-LRM	A320-232	Gowair (a/w)	05 TFL176/965
G-NEOV	A321-251NX	British Airways	f/v BAW442/3
LX-FPF	Ce525B	Flying Group Lux.	FYL53F/14F
N930SA	TBM-930	Spectrum Medical Aviation	
SP-KCK	Ce525A	Jet Story	JDI40D
SP-TTA	Beech 400A	Smart Jet	f/v
05.D-AAHB	Global Express	MHS Aviation	09 MHV1B
D-AGBE	Falcon 7X	Volkswagen	08 WGT5E
D-BUBI	CL-300	Windrose Air	QGA864N/865N
D-CAWX	Ce680	Aerowest	06
D-CDIM	Lj35A	Jet Eexecutive	06 JEI545/555
D-CLIF	EMB505	Spree Flug	06
D-ITRA	Ce525	Transavia Flug	
EC-LRM	A320-232	Gowair (a/w)	TFL966/625
I-CNDG	Ce560XLS+	Sardinian Sky Service	08 SSR250
LX-LAA	Lj45	Lux. Air Ambulance	LRQ573
LX-LOE	Hawker 4000	Flying Group Luxembourg	06
LY-KLJ	B737-524	KlasJet	KLJ1092/3
M-OBIL	Ce525C	Ulla Popken Fashion	06
N1FE	Global 6000	FedEx Express	06
N129NS	G-IVSP	Global Air Charters	06 GJE1209
N607CV	G550	Covidien	
N685UA	B767-3CBER	United Airlines	f/v UAL2822/3
N900FH	TBM-900		06 2x
OE-FOG	Ce510	GlobeAir	f/v GAC580V/479W
OE-FRM	Ce510	GlobeAir	06 GAC419Z/308A
OO-XLS	Ce560XLS+	Air Service Liège	06
YU-SVL	Ce560XLS	Prince Aviation	PNC1VL
06.4X-EDB	B787-9	EI AI	f/v ELY337/8
A6-EPW	B777-31HER	Emirates	f/v UAE145/6
D-ALOA	ERJ135BJ	Air Hamburg	AHO376F/630P
D-ALOA	ERJ135BJ	Air Hamburg	07 AHO630P/652D
D-ISGD	Beech C90GTi		f/v
D-ISJP	Ce525A	Excellent Air	08 ECA1C/14E
EC-LRM	A320-232	Gowair (a/w)	TFL626/719/20/241
G-JZBF	B737-800	Jet2	div EXS109/109D
HL8210	B777-3B5ER	Korean Air	f/v KAL925/6
LX-LAR	Lj35A	Lux. Air Ambulance	LRQ578
N29DE	Cirrus SF50	Deny Airlines	dep
N487DT	Raytheon 390	Ady Associates WTR	f/v
N900FH	TBM-900		
OE-FHA	Ce510	GlobeAir	07 GAC308B/703F
OE-FUX	Ce525A	Bairline	
OO-JLO	B737-8K5	TUI Belgium	TFL076P/619
07.D-IOHL	Ce525A	Excellent Air	ECA3C
EC-LRM	A320-232	Gowair (a/w)	TFL242/251/2/RAM685

G-HCSA	Ce525A	Bookajet	dep BOO915	OO-TUV	B737-86J	TUI Belgium	TFL648/223
LX-VMF	Ce560XL	Luxaviation	08 LXA15P	PR-ZIQ	ERJ195E2STD	Embraer	f/v 12
M-IFFY	Ce510	Xead Aviation	08	SP-LSC	B787-9	LOT	f/v LOT267/8
M-SPEC	Beech 350	Specsavers Aviation	SSZ9A/B	11. V-11	G-IV	334sq	NAF11
OO-JLO	B737-8K5	TUI Belgium	TFL620/217/792/619	2-ZEUZ	Beech C90A	Zeusch Aviation	14
PH-DWA	ERJ145LR	Air Charters Eur.	f/v 08 JNL329/555	4X-EDK	B787-9	EI AI	f/v ELY337/246
SP-KPG	Saab 340A	Sprint Air	SRN219/220	D-CAPO	Lj35A	Jet Executive	JEI434
YR-FKB	Fokker 100	Carpatair	CTN450/1	D-IEKU	Ce525A	Excellent Air	13 ECA2C
YU-PMK	Ce560XLS+	Air Pink		D-IHEB	Ce525	Silver Cloud Air	SCR064
YU-PNK	Ce560XLS+	Air Pink	08	D-IOHL	Ce525A	Excellent Air	ECA3C
08.9H-ILV	CL-850	VistaJet Malta	09 VJT624	EJ-CORE	ERJ135BJ	Gain Jet Ireland	f/v 13 GJI65R
9H-JLK	Falcon 7X	TAG Aviation Malta	TEU11	G-HCSA	Ce525A	Bookajet	14 BOO918
D-BLUE	Falcon 2000LX	ACM Air Charter	09 BVR222	LN-RMA	Beech B200GT	Rema 1000	f/v 13 RTG6030
D-BUBI	CL-300	Windrose Air	13 QGA745M/747M	LX-JFA	PC-12/47E	Jetfly Aviation	12 JFA06E/88G
D-CDAS	EMB505	DAS Private Jets		N450FJ	N450FJ	G450	13
D-CHIP	Ce525B	Eisele Flugdienst	EFD3P	OE-FHA	Ce510	GlobeAir	GAC735B/583W
D-CJMK	Ce560XLS+	Air Hamburg	AHO460F	OK-REQ	A319-112	Eurowings	CSA2180/1
D-ICBA	Ce525A	ProAir	09	OO-TUV	B737-86J	TUI Belgium	TFL224/091P
EC-LRM	A320-232	Gowair (a/w)	RA684/5	TC-ODC	A320-233	Onur Air	f/v OHY851/2
F-GZTA	B737-33VQC	ASL Airlines France	FPO831F/831	YU-TBA	Ce560XLS+	Swisslion	f/v 12
LY-PGC	B737-4S3	Getjet Airlines	TFL094P/165	12. V-11	G-IV	334sq	NAF11
LY-PGC	B737-4S3	Getjet Airlines	09 TFL166/095P	D-AFAB	CL-604	FAI rent-a-jet	f/v 14 IFA1450
M-INER	Global 6000	ICC Aviation	09	D-CEHM	Ce560XLS+	Silver Cloud Air	SCR021
M-SETT	Global 5000	Lodging 2020	10	D-CHDC	Ce680	Heidelberg Cement	
N29DE	Cirrus SF50	Deny Airlines	12	G-UZLB	A320-251N	easyJet	f/v EZY8875/6
OE-FKF	Ce525A	Fly Tyrol	FTY9	G-YEOM	PA-31-350	Strata Aviation Services	
OE-IFB	B747-4B5ERF	ASL Airlines Belg.	13 TAY914E	I-EPAM	BAe125-750	Eurofly Service	
OK-SEM	Ce680	Travel Service	09 TVS9J/10J	OK-JRS	Ce680	Smartwings	f/v TVS66J/67J
OO-CEJ	Ce525	Air Service Liège	11	OO-KIN	Ce680	Flying Group	FGY81N/22N
OO-JLO	B737-8K5	TUI Belgium	TFL620/245/6/091P	PR-ZIQ	ERJ195E2STD	Embraer	
OO-XLS	Ce560XLS+	Air Service Liège	13	YR-TRC	CL-300	Toyo Aviation	13 TOY221/2
OY-RUU	A321-231	Norwegian (a/w)	f/v IBK3540/1	13. 4X-ECE	B777-258ER	EI AI	ELY337/8
SP-KPG	Saab 340A	Sprint Air	SRN221/2	9H-FOM	EMB500	Luxwing	14 LWG502/592
09.4X-ECE	B777-258ER	EI AI	ELY337/8	9H-JLK	Falcon 7X	TAG Aviation Malta	17 TEU11
EC-LRM	A320-232	Gowair (a/w)	RAM684/8669	D-ACJJ	ERJ190LR	WDL Aviation	ADR434/5
EC-LRM	A320-232	Gowair (a/w)	RAM668/6885	D-AGBA	Falcon 8X	Volkswagen	16 WGT1A
G-HCSA	Ce525A	Bookajet	11 BOO915/8	D-COCA	Beech 1900D	Private Wings	14 PWF102247A
N515TJ	Beech 400A	Blackburn Int'l	18	G-UZLG	A320-251N	easyJet	f/v EZY6921/2
N910RW	TBM-910	Redwood	10	HB-LUT	P180	Greenwings	15
OE-FRM	Ce510	GlobeAir	10 GAC846Y/351T	LV-GQE	Global 5000	Consultatio Inversora	f/v 16
OE-IIS	G-V	Luxaviation Germany	10 LXG99S	N29DE	Cirrus SF50	Deny Airlines	29
OO-TUV	B737-86J	TUI Belgium	10 JAF912/TFL647	N188J	Global 5000	Exec Jet Management	EJM188
T7-AVD	Global 6000	FTC Aviation	f/v	N604AK	CL-604	Executive Jet Management	04
10.2-ZEUZ	Beech C90A	Zeusch Aviation	11	OE-FIT	Ce510	GlobeAir	GAC250J/149J
D-AHOS	ERJ135BJ	Air Hamburg	11 AHO695L/644J	OO-JAH	B737-8K5	TUI Belgium	14 JAF074P/TFL277
D-BOBI	Falcon 2000LX	BASF	11	OO-JAY	B737-8K5	TUI Belgium	JAF953F/TFL90G
G-THFC	ERJ135BJ	London Exec Aviation	11 LNX54TC	SE-ROF	A320-251N	Scandinavian	f/v SAS1555/6
LX-JFG	PC-24	Jetfly Aviation	f/v JFA66F/10A	YL-LDC	A321-211	Smartlynx (n/t)	14 TRA076/5955
LY-KLJ	B737-524	KlasJet	KLJ1095/6	14. D-AHOI	ERJ135BJ	Air Hamburg	15 AHO513N
N70PS	Global Express	Worldwide Jet Charter	11	D-CSCE	EMB505	Luxaviation Germany	LXG55CE
OE-FFB	Ce510	GlobeAir	GAC703G/371F	D-IEMO	Raytheon 390	Projet	
OE-FFB	Ce510	GlobeAir	11 GAC371G/540T	D-IKBO	Ce525A	Silver Cloud Air	SCR357
OE-FRM	Ce510	GlobeAir	11 GAC351U/637E	F-HTVN	B737-8GJ	Transavia France	f/v TVF4010/1
OE-HRS	CL-350	Avcon Jet	11 AOJ78R	N898S	G650ER	Rachakarn Co	f/v 16
OO-DTE	EC120B	Heliventure		OE-GBD	IAI1125SPX	Tyrol Air Ambulance	TYW432/3



This former Jet Airways Boeing 737 was added to the LOT fleet as recent as 19 September 2019. Micha Liewers caught SP-LWG on camera on 23 September 2019 when the aircraft visited Amsterdam - Schiphol airport.



Embraers 'Profit Hunter' was unveiled at the 2019 Paris Air Show. After Paris the ERJ195-E2 embarked on a world tour with China as its first stop. PR-ZIQ arrived in Europe mid August 2019. (Amsterdam - Schiphol, 12 September 2019, Robert Eikelenboom)

OE-GGG	Ce560XLS+	Jetfly Airline	16	N8X	Falcon 8X	Dassault Falcon Jet	f/v 19
OE-HNB	CL-300	Int'l Jet Management	f/v 17 IJM071	N250LG	Falcon 7X	Liberty Global	20
OO-JAH	B737-8K5	TUI Belgium	TFL278/JAF073P	N487DT	Raytheon 390	Ady Associates WTR	
OO-XLS	Ce560XLS+	Air Service Liège	20	N900FH	TBM-900		2x
T7-VAS	CL-605	ExecuJet Middle East	f/v 15	N1130B	Falcon 900LX	The Boler Company	18
YL-LDC	A321-211	Smartlynx (n/t)	15 TRA5956/075	OE-FNP	Ce510	GlobeAir	18 GAC687F/576G
15.2-ZEuz	Beech C90A	Zeusch Aviation	17	OE-GCA	Ce560XL	Goldeck Flug	18 GDK17CA/18CA
9H-FHB	A320-214	Freebird Europe	f/v TRA072/5807	SE-RFH	Ce680	EFS	18 EUW9319
9H-FHB	A320-214	Freebird Europe	TRA5808/6117	SP-OSA	Ce680	Jet Story	18 JDI91Z
9H-NEC	A320-251N	Air Malta	f/v AMC394/5	YU-TBA	Ce560XLS+	Swisslion	18
9H-VCC	CL-350	VistaJet Malta	16 VJT426	YU-SVL	Ce560XLS	Prince Aviation	PNC1VL
A6-ETL	B777-3FXER	Ettihad Airways	f/v ETD77/8	18.4X-ECE	B777-258ER	EI AI	ELY337/8
CS-EME	Falcon 900EX	Masterjet	16 LMJ430E	9H-JLK	Falcon 7X	TAG Aviation Malta	20 TEU11
D-BOOK	Falcon 2000LX	Bertelsmann	16 BFD65H	9H-OJJ	CL-650	ElitAvia Malta	20 EAU48J
D-CFHZ	EMB505	DAS Private Jets		D-AMGL	BAe146-200A	WDL Aviation	AFR1436/7
D-CITA	Lj60	FAI rent-a-jet	16 IFA1461/1444	D-CEHM	Ce560XLS+	Silver Cloud Air	19 SCR021
D-COCA	Beech 1900D	Private Wings	PWF247B/103	D-INOB	Ce525A	Atlas Air Service	ATL3Z
D-CSUN	Ce560XLS+	Air Hamburg	AHO422A	D-ISCH	Ce525A	G Schubert	
D-IDAS	EMB500	DAS Private Jets		EC-LRM	A320-232	Gowair (a/w)	TFL622/243
D-IJLJ	Ce525	ProAir		EC-LRM	A320-232	Gowair (a/w)	19 TFL244/JAF331P
D-ITIP	Ce525	Star Wings	STQ222	F-HBPE	ERJ145LR	Pan Européenne	19 EUP421
EC-LRM	A320-232	Gowair (a/w)	TFL076P/245	HB-JUF	G650	Swiss Jet	20 SJT931/951
EC-LRM	A320-232	Gowair (a/w)	TFL246/1297	LX-EAA	Lj45	Lux. Air Ambulance	LRQ632
G-HCSA	Ce525A	Bookajet	20 BOO914	LX-VMF	Ce560XL	Luxaviation	19 LXA15P
LX-VMF	Ce560XL	Luxaviation	15 LXA15P	N880PC	Falcon 2000EX	Promega	19
N339JM	G550	J Aircraft	f/v 16	N892CH	G550	Crown Holdings	19
N403DX	A330-941N	Delta Air Lines	f/v DAL72/3	OE-FHK	Ce510	GlobeAir	GAC047J/K
N903G	G450	Owens-Illinois General	16	OE-FNP	Ce510	GlobeAir	19 GAC576H/554G
OK-XLS	Ce560XLS+	Silesia Air	SUA751/2	OO-SKS	Ce560XLS	Avelag Aviation	f/v AAB605
OO-KIN	Ce680	Flying Group	FYG63N/84N	T7-MND	Ce525	Luxaviation Germany	19
YR-TRC	CL-300	Toyo Aviation	TOY223A/222	VQ-BHU	B737-8LJ	Aeroflot	f/v AFL2694/5
16.4X-ECE	B777-258ER	EI AI	ELY337/8	19.9H-VCE	CL-350	VistaJet Malta	VJT474
9H-FHB	A320-214	Freebird Europe	TRA6118/071	D-CHRA	Ce525C	Eisele Flugdienst	20 EFD4A
9H-VCC	CL-350	VistaJet Malta	17 VJT426	D-IFHD	Ce525	Eisele Flugdienst	20 EFD2D
CS-TFQ	Lj45	Airjetsul	AJU451	EC-LRM	A320-232	Gowair (a/w)	JAF332P/625
D-BOOK	Falcon 2000LX	Bertelsmann	BFD65T	EC-NGB	A319-112	Vueling	f/v VLG6814/5
D-CARO	Ce680	Aerowest	17	G-YVIP	Beech B200	Capital Air Ambulance	f/v EGO08
D-CEHM	Ce560XLS+	Silver Cloud Air	SCR021	LX-DEA	Ce560XLS	Luxaviation	arr LXA24
D-CSCA	Ce525B	Silver Cloud Air	18 SCR378	LX-VMF	Ce560XL	Luxaviation	20 LXA15P
D-ITRA	Ce525	Transavia Flug		LY-EMU	A320-233	Getjet Airlines	f/v LOT267/8
EC-LRM	A320-232	Gowair (a/w)	TFL1298/263	N316FJ	Falcon 900LX		f/v 20
EC-LRM	A320-232	Gowair (a/w)	17 TFL264/471	N405QS	G450	NetJets	20
G-JOTR	BAe146-RJ85	Jota Aviation	18 ENZ688/9	N892CH	G550	Crown Holdings	
LX-PPF	Ce525B	Flying Group Lux.	FYL73F/74F	YU-MPC	Ce525	MPC Holding	
M-NTOS	Ce525C	Selementos	19	20.4X-CPX	G-IVSP	Arkia	21
N904DF	Global Express	DSWA	18	4X-ECF	B777-258ER	EI AI	ELY337/8
OE-GMG	Ce650	Tyrolean Jet Service	TJS91	9H-VCN	CL-350	VistaJet Malta	VJT437
OO-DTE	EC-120B	Heliventure		D-AGBF	Falcon 7X	Volkswagen	23 WGT6F
OO-JAH	B737-8K5	TUI Belgium	JAF912F/TFL215	D-CMDH	Ce680	Eisele Flugdienst	EFD6H
OO-JAH	B737-8K5	TUI Belgium	17 TFL216/JAF034H	D-CWAY	Lj55	Quick Air Jet Charter	QAJ1303
17.4X-ECF	B777-258ER	EI AI	ELY337/8	EC-LRM	A320-232	Gowair (a/w)	TFL626/189
EC-LRM	A320-232	Gowair (a/w)	TFL472/209	EC-LRM	A320-232	Gowair (a/w)	21 TFL190/147
EC-LRM	A320-232	Gowair (a/w)	18 TFL210/621	EC-MLV	Ce680	Gestair	22 GES541V
F-GUOB	B777-F28	Air France Cargo	AFR6700/382V	G-JOTR	BAe146-RJ85	Jota Aviation	ENZ692/692P
G-FLCN	Falcon 900	Xclusive Jets	XJC888P/888	M-SSYS	Ce525C	Firmway	21
G-JOTS	BAe146-RJ100	Jota Aviation	18 ENZ691P/691	N316FJ	Falcon 900LX		
M-KELI	EMB505	Kelly Airways	f/v 18	N2480H	G550	Eternity International Corp.	f/v 21

OE-FHK	Ce510	GlobeAir	GAC147V/W	24.0110	B737-86X	1. BLTr	PLF110
OK-BMM	Beech 400A	Alpha Aviation	f/v 22	9H-VFC	CL-605	VistaJet Malta	25 VJT582
OO-AMR	Ce525A	Air Service Liège	2x	9H-VJT	Global 6000	VistaJet Malta	VJT938
OY-JTR	B737-73A	Jet Time	SAS1549/50/553/4	EC-LRM	A320-232	Gowair (a/w)	TFL472/209
PH-RBC	EC-120B	HeliAir		EC-LRM	A320-232	Gowair (a/w)	25 TFL210/163
S5-TSV	Falcon 50EX	Elitavia	arr	EJ-CORE	ERJ135BJ	Gain Jet Ireland	27 GJ165R
TC-GHP	CL-850	MNG Jets	f/v 21	F-GCDP	Falcon 8X	Dassault Aviation	
TC-ODD	A320-232	Onur Air	f/v OHY851/2	G-OOEG	CL-350	Catreus	VCG1EG/2EG
21.D-ACJJ	ERJ190LR	WDL Aviation	ADR434/5	G-ULFM	G450	Pen Avia	PDY14A/B
EC-LRM	A320-232	Gowair (a/w)	TFL148/619	LZ-BHL	A320-232	BH Air	TRA072/5133
G-FLCN	Falcon 900	Xclusive Jets	23 XJC888/P	N19NE	Falcon 7X	Planet Nine Private Air	25
G-HCSA	Ce525A	Bookajet	arr BOO914	N40NW	Falcon 2000LX		25
LX-RSQ	Lj45	Luxembourg Air Amb.	LRQ648	N795CJ	Raytheon 4000	Priester Aviation	25
LX-VMF	Ce560XL	Luxaviation	23 LXA15P	N990HA	Falcon 7X		25
N795CJ	Raytheon 4000	Priester Aviation	f/v 24	N9912H	A75N1	The Old Crow - Hans Nordsiek	14
N7777Q	B737-7BC	Jackie Chan	24 f/v	OE-FCO	Ce510	GlobeAir	26 GAC269E/885A
OE-FCO	Ce510	GlobeAir	22 GAC554H/005W	OE-FHK	Ce510	GlobeAir	GAC663C/102X
OK-PPP	Beech 400A	Time Air	TIE692P/693P	OE-FNP	Ce510	GlobeAir	26 GAC592Q/252A
OO-NEY	EMB545	Air Service Liège	23	OH-LTR	A330-302	Finnair	f/v FIN1301/2
OO-OCA	Beech 350	Air Service Liège		OK-FTR	Ce510	CTR Flight Services	
22.9H-JLK	Falcon 7X	TAG Aviation Malta	25 TEU11	TC-AGF	A330-203	AtlasGlobal	f/v KKK2247/8
9V-SMY	A350-941	Singapore Airlines	f/v SIA324/3	25.111	TBM-700A	ET00.043	CTM1305 'XM'
D-ARMY	ERJ135BJ	Air Hamburg	AHO513N/627E	4X-ECA	B777-258ER	EI AI	ELY337/8
D-CDAS	EMB505	DAS Private Jets		D-AERO	ERJ135BJ	Air Hamburg	AHO516U
D-CEHM	Ce560XLS+	Silver Cloud Air	SCR021	D-ATOP	ERJ135BJ	Air Hamburg	AHO759J
EC-LRM	A320-232	Gowair (a/w)	TFL620/593/4/737	D-AVIB	ERJ135BJ	Air Hamburg	AHO535X
F-GCDP	Falcon 8X	Dassault Aviation		D-BOOC	Ce750	Air X Exec. Jets	26 AXG2519/2611
M-OBIL	Ce525C	Ulla Popken Fashion		EC-LRM	A320-232	Gowair (a/w)	TFL164/681
N1DM	G280	Macneil Aviation	25	EC-NEA	A320-271N	Vueling	f/v VLG2901/2
N359ST	PC-12/47E		f/v	D-HARI	A109E	Haribo	
OE-FCO	Ce510	GlobeAir	23 GAC005X/269D	LZ-BHL	A320-232	BH Air	TRA5134/5095
OO-VMF	Ce560XLS+	Air Service Liège	24	LZ-BHL	A320-232	BH Air	26 TRA5096/6331
OO-XLS	Ce560XLS+	Air Service Liège	25	LX-VMF	Ce560XL	Luxaviation	26 LXA15P
OY-GFS	Falcon 2000LX	Air Alsie	MMD6955	LX-WJD	HA-420	Flying Group Lux.	FYL73JD/74JD
23.4X-ECA	B777-258ER	EI AI	ELY337/8	OE-GLR	Ce680A	Goldeck Flug	26 GDK25LR/26LR
9V-SMW	A350-941	Singapore Airlines	f/v SIA324/3	OO-VMF	Ce560XLS+	Air Service Liège	
CS-TFO	Lj40	Omni	24 OAV303	UR-GED	B767-33AER	Ukraine Int'l	AUI101/2
D-CCCB	Lj35A	Aero Dienst	AMB389	26.9H-JAD	CL-850	Air X Charter	27 AXY2614/2707
D-IBJJ	Ce525A	Air Hamburg	24 AHO151V	9H-VCJ	CL-350	VistaJet Malta	VJT492
D-IHKW	Ce525	ProAir Aviation		D-CHRE	Ce680	Hahn Air	HHN40E
D-ILAP	EMB500	Liebherr Aerospace	LHB4	D-IBJJ	Ce525A	Air Hamburg	AHO174X/147U
D-INOB	Ce525A	Atlas Air Service	ATL3Z	D-INCS	Ce525	Jetkontor	27 JKH321
EC-LRM	A320-232	Gowair (a/w)	TFL738/279	EC-LRM	A320-232	Gowair (a/w)	TFL682/265/6/075P
EC-LRM	A320-232	Gowair (a/w)	24 TFL280/471	LX-JFF	PC-12/47E	Jetfly Aviation	f/v 27 JFA75H/41R
G-OCAK	Global XRS	Gama Aviation	24 GMA507/926	LX-JFQ	PC-12/47	Jetfly Aviation	JFA92L/56N
N910RW	TBM-910	Redwood	24	LZ-BHL	A320-232	BH Air	TRA6332/071
OE-GLR	Ce680A	Goldeck Flug	f/v 24 GDK23LR/24LR	N635E	G450	PLA Aircraft Corp	f/v arr
OE-IRN	Global XRS	ART Aviation	OES445B/446B	OE-FFB	Ce510	GlobeAir	27 GAC714N/592R
SP-LWG	B737-86N	LOT (basic Jet A/W c/s)	f/v LOT267/8	OO-JAF	B737-8BK	TUI Belgium	TFL700/092P



This Gulfstream G280 was registered in June 2019 to a company called ADJ. Kees Hartevelde was able to photograph N272GA when it departed Rotterdam - The Hague on 4 September 2019.



PH-ULP	EC135T2	ANWB - MAA	dep	PH-NDK	Falcon 900B	Exxaero	08 XRO557/8
VP-CDR	H145	Dmitry Rybolovlev		PH-PBA	DC-3C	Dutch Dakota Association	08
03.135L-484	ERJ135BJ	352 MMYP	HAF352B	PH-VBG	Falcon 2000EX	JetNetherlands	16
CS-LTL	Ce680A	NetJets Europe	NJE5DY	SP-TBM	TBM-930	PLEK2	
CS-PHL	EMB505	NetJets Europe	NJE7RF/279E	08.N-324	NH90-NFH	860sq	Neptune14
D-FWIT	PC-12/47E	Air Alliance	2x	D-CTWO	Lj35A	Air Alliance	AYY108
D-IQXX	Ce525	Müller		PH-NDK	Falcon 900B	Exxaero	XRO558/7
G-EZFX	A319-111	easyJet	div EZY8869/9002	09.C-GIIT	Global 6000	Execaire	f/v
G-EZUT	A320-214	easyJet	div EZY2153/9003	CS-PHB	EMB505	NetJets Europe	NJE017W/485D
G-WILC	R66	Williamair		D-BLUE	Falcon 2000LX	ACm Air Charter	10 BVR222
N272GA	G280	ADJ	04	G-HCSA	Ce525A	Bookajet	BOO915
N733MA	B737-81Q	Transavia	01 tdy TRA051/BSK592	G-SMLA	BAe146-200	JOTA Aviation	CFE4477/6
OO-ACO	Ce510	Air Service Liège	dep	G-SMLA	BAe146-200	JOTA Aviation	CFE4479/8
OO-ACO	Ce510	Air Service Liège		N194ER	Ce510	Blue Sky Aviation	
PH-BGI	B737-7K2	KLM	div KLM1264	OE-GBE	IAI1125SPX	Tyrol Air Ambulance	TYW315/6
PH-BXM	B737-8K2	KLM	div KLM64J/1276	OO-JWB	PC-12/47E	Nextgen Partners	2x
PH-DTS	DA42	Wings over Holland		OO-KNM	R44	Air Technology Belgium	10
PH-EXX	ERJ175STD	KLM Cityhopper	div KLM70X/1172	T7-ACA	Ce525	Rapid Aviation	10 JSH521/2
PH-EXZ	ERJ175STD	KLM Cityhopper	div KLM1916/9961	10.2-FIFI	Beech 250	TwoFifi	ORT25C
PH-TCN	P180	JetNetherlands	dep	D-ICBA	D-ICBA	ProAir Aviation	
PH-TCN	P180	JetNetherlands	10	M-ABGS	CL-605	ExecuJet UK	
SX-ODS	A320-232	Corendon Airlines	CAI1285/6	N194ER	Ce510	Blue Sky Aviation	
04.A6-CBO	Global XRS	DC Aviation Al-Futtaim	05	N732PA	CL-605	Mirage Aviation	
CS-DIY	Ce525B	AirJetSul	05 AJU521	N90GP	Falcon 900	La Casa Jet	
CS-PHL	EMB505	NetJets Europe	NJE366A/62F	OO-KNM	R44	Air Technology Belgium	
D-CAGA	EMB505	Luxaviation Germany	LXG55GA	OY-ERY	Ce550	Jet Plane Corporation	11
D-CLAM	EMB505	Liebherr Geschäftsreise	LHB1	PH-FIS	Ce525	JetNetherlands	dep
D-GVCC	DA42	CAE Oxford Aviation Academy		PH-FIS	Ce525	JetNetherlands	13
D-ITRA	Ce525	Transavia Flug		SE-RIL	Ce560XLS	Svenskt Industriflyg	JET7
F-HMBG	Ce525A	Speedfly		11.CS-CHG	CL-350	NetJets Europe	NJE865B/2BX
I-TAKA	Ce560XLS	Sardinian Sky Service	05 SSR432	CS-DFK	Falcon 2000EX	NetJets Europe	NJE4RR/418D
M-AAAM	CL-604	Shino Aviation	05	D-CAMB	Lj31A	Jetcall	12 JCL4
N194ER	Ce510	Blue Sky Aviation		D-CNUE	Lj60	FAI Rent-A-Jet	IFA1451/4
N272GA	G280	ADJ	08	D-IHKW	Ce525	ProAir Aviation	
OK-EMA	Ce680	SmartWings	05 TVS97J/85J	G-MEDZ	Beech B200	Zeusch aviation	13 MDI07
PH-CGN	Do228-212	Kustwacht	NCG01	G-OOEG	CL-350	Catreus	VCG1EG/2EG
PH-HRK	P180	JetNetherlands	05	N70PS	Global Express	Worldwide Jet Charter	
PH-TXA	Ce510	JetNetherlands		N777QX	CL-605	Flexjet	13 LXJ777
05.D-CAMB	Lj31A	Jetcall	JCL4	OE-GPS	Ce550 Bravo	Tyrol Air Ambulance	TYW847S/8S
N1FE	Global 6000	FedEx		OE-IKT	ERJ135BJ	Int'l Jet Management	12 IJM038
OE-FOG	Ce510	GlobeAir	06 GAC479X/950F	PH-NDK	Falcon 900B	Exxaero	12 XRO540
OO-OCA	Beech 350	Air Service Liège		PH-TCN	P180	JetNetherlands	14
PH-HRK	P180	JetNetherlands	11	PH-WIK	AS350B3	HeliAir	
PH-VBG	Falcon 2000EX	JetNetherlands	dep	12.V-11	G-IV	334sq	13 NAF11
PH-WRW	EC120B	Heli Holland Holding		D-FWIT	PC-12/47E	Air Alliance	2x
06.9H-VFF	CL-604	VistaJet Malta	VJT551	OK-UGJ	Ce680	SmartWings	13 TVS50J/78J
N3788B	G550	Blackrock Fin. Management	JAS71	OO-TNC	B737-8K5	TUI Belgium	TFL073P/7311
07.N-324	NH90-NFH	860sq	Neptune14	PH-DWA	ERJ145LR	Air Charters Europe	JNL563
CS-CHG	CL-350	NetJets Europe	08 NJE192L/404Q	PH-HRK	P180	JetNetherlands	14
D-CAPB	Ce560 Encore+	Aerowest		PH-WIK	AS350B3	HeliAir	
N858CG	G650ER	Diamond Capital Investments	09	PR-ZIQ	ERJ195E2STD	Embraer	*



OY-FHA is a BN-2A Islander of the Danish Air Force Home Guard. Service in the Hjemmeværnet is voluntary and unpaid. (Maastricht - Aachen, 3 September 2019, Arjen Sleuwenhoek)



Former Adria Airways Canadair CRJ900LR S5-AAL arrived at Maastricht on 20 September 2019. Upon arrival its registration was changed to PH-ADO. SAMCO is the registered holder for this aircraft. (Maastricht - Aachen, 21 September 2019, Jesse Vervoort)

SP-TBM	TBM-930	PLEK2	13	D-IAAY	EMB500	Arcus Air	AZE72VQ/3VQ
13.V-11	G-IV	334sq	17 NAF11	F-HJCD	Falcon 2000LXS	J.C. Decaux	
CS-CHD	CL-350	NetJets Europe	14 NJE191D/8ZS	G-SMLA	BAe146-200	JOTA Aviation	ENZ698/698F
CS-DXV	Ce560XLS	NetJets Europe	17 NJE199K	LX-RSQ	Lj45XR	Luxemb. Air Rescue	LRQ638
D-ICBA	Ce525A	ProAir Aviation		N545C	G280	Centrale North America	
D-ITIP	Ce525	Star Wings Dortmund	STQ222	PH-ULP	EC135T2	ANWB - MAA	LIFELN1
N955SH	PA-46-350P	Strutt		YR-FKB	Fokker 100	Carpatair	KRP3039/4041
OE-FOE	Ce510	GlobeAir	14 GAC894R/401L	21.CS-PHI	EMB505	NetJets Europe	22 NJE8GX
OO-JAY	B737-8K5	TUI Belgium	TFL7316/074P	OY-GDB	ERJ195	Great Dane Airlines	GDE939/720
PH-FIS	Ce525	JetNetherlands		OY-GDB	ERJ195	Great Dane Airlines	GDE721/940
PH-STB	Falcon 900C	Exxaero	XRO587/387	PH-SVY	PA-31T	Slagboom en Peeters	22
14.CS-DXZ	Ce560XLS	NetJets Europe	15 NJE764A/711W	PH-VBG	Falcon 2000EX	JetNetherlands	26
D-CMMP	EMB505	Luxaviation Germany	LXG55MP	22.V-11	G-IV	334sq	23 NAF11
N543GL	Global 6000	Skechers USA		OY-MGA	Falcon 2000LXS	Air Alsie	24 MMD6956
OK-XLS	Ce560XLS+	Silesia Air	15 SUA741/50	PH-TCN	P180	JetNetherlands	01
15.D-CMMP	EMB505	Luxaviation Germany	LXG55MP	S5-BDM	Ce560XLS+	Batagon Air	
D-ICBA	Ce525A	ProAir Aviation		23.9H-IGH	Global 6000	VistaJet Malta	26 VJT775
G-BJNZ	PA-23-250	John Arthur Douglas Richardson	18	CS-CHB	CL-350	NetJets Europe	NJE6RA
OE-GXX	Lj40	Int'l Jet Management	IJM339	CS-DRY	BAe125-800XPi	NetJets Europe	24 NJE3NH
OK-UGJ	Ce680	SmartWings	TVS79J/80J	D-CAMB	Lj31A	Jetcall	24 JCL4
PH-FIS	Ce525	JetNetherlands	arr	I-FORR	Lj40	Avianord	24 VND6214/5
PH-HRK	P180	JetNetherlands	22	OE-FAF	Ce525A	Smartline	24
PH-STB	Falcon 900C	Exxaero	16 XRO387	OK-FTR	Ce510	CTR Group	
PH-TAK	DA42	Happy Landings	arr	OK-JRT	Ce680	SmartWings	TVS59J/60J
PH-TCN	P180	JetNetherlands	20	SE-RFL	Ce680	European Flight Service	EJW9339
16.D-AJET	ERJ135BJ	Air Hamburg	AHO574E	SP-ATT	Beech 400XP	Smart Jet	24 SAH48P
EC-KPB	Ce560XLS	Boluda Corporacion Marítima	18	24.CS-DXY	Ce560XLS	NetJets Europe	25 NJE200Y/2VY
LX-PFF	Ce525B	Flying Group Luxemb.	FYL72F/3F	CS-PHL	EMB505	NetJets Europe	25 NJE077E/532G
N612FG	Global 6000	Flightstar	17	EC-KPB	Ce560XLS	Boluda Corporacion Marítima	26
N652PP	Ce680	Eenhoorn	18	N732PA	CL-605	Mirage Aviation	26
OM-GTH	B737-8BK	Corendon Airlines	CAI049/050	N84UP	BAe125-800XP	M&N Equipment	25
PH-WIS	Ce525C	KNSF Flight Services	tst	OE-GLJ	Lj60XR	Laudamotion Executive	LDX17
SP-TBM	TBM-930	PLEK2	17	PH-HRK	P180	JetNetherlands	25
17.V-11	G-IV	334sq	NAF11	PH-WRW	EC120B	Heli Holland Holding	
CS-GLE	Global 6000	NetJets Europe	NJE236P/6PM	SP-KCS	Ce560XLS	Jet Story	JDI30C
CS-LTE	Ce680A	NetJets Europe	NJE9KW/567N	XA-JZL	CL-601-3R	Servicios Aeronauticos Zena	27
D-FWIT	PC-12/47E	Air Alliance	2x	25.9H-VCN	CL-350	VistaJet Malta	VJT437
EC-MTV	B737-8K5	AlbaStar	LAV986P/5367	CS-DRY	BAe125-800XPi	NetJets Europe	NJE3NH/293Y
LX-SEB	Ce525B	Jetfly Aviation	JFA56H/7L	CS-DXO	Ce560XLS	NetJets Europe	26 NJE7JD/052K
N216HZ	G-IV	Newport Exec.Transp.	19 DCM4050	CS-PHL	EMB505	NetJets Europe	26 NJE186K/197Q
OO-ACO	Ce510	Air Service Liège		D-AJOY	CL-850	Air X Charter	26 AXG2522/603
PH-VBG	Falcon 2000EX	JetNetherlands	18	D-BEEP	Ce750	Air X Charter	AXG2514/610
18.CS-CHH	CL-350	NetJets Europe	NJE357U/204P	D-BOOC	Ce750	Air X Charter	AXG2515/611
CS-PHM	EMB505	NetJets Europe	NJE741T/287H	D-CANG	Ce560XLS+	Air Hamburg	AHO341X
D-CAWR	Ce560 Encore+	Aerowest		LX-TWO	Lj35A	Luxemb. Air Rescue	LRQ663
G-JOTR	BAe146-RJ85	JOTA Aviation	ENZ697P/697	OM-BYK	A319-115X	Government of Slovakia	SSG004
M-GFGC	P180	Greensill Capital (IOM)		PH-HRK	P180	JetNetherlands	04
OE-FZA	Ce510	GlobeAir	GAC292N/131L	PH-TXA	Ce510	JetNetherlands	26 2x
SP-ESF	B737-8AS	Enter Air	ENT553/554P	26.9H-SKI	P180	Kemmunett	28
SP-TTA	Beech 400A	Smart Jet	SAH59P	CS-PHH	EMB505	NetJets Europe	27 NJE990E/7QZ
YR-FZA	Fokker 100	Carpatair	KRP4039/3038	CS-PHL	EMB505	NetJets Europe	27 NJE064C/7RF
19.D-CAWR	Ce560 Encore+	Aerowest		D-CKHG	Ce560XLS	Windrose Air	QGA160N/1N
D-IAIB	Ce525	AIB Assesst	20	D-FWIT	PC-12/47E	Air Alliance	2x
LX-TWO	Lj35A	Luxemb. Air Rescue	LRQ636	D-IAAS	EMB500	Arcus Air	AZE92T/21BU
OE-GBD	IAI1125SPX	Tyrol Air Ambulance	TYW432/3	D-IHUB	Ce525A	Sylt Air	27 AWU526E/7E
OO-ACC	Ce525A	Air Service Liège		EC-MPN	Ce525	Air Taxi & Charter	03 IBJ726B/813A
20.V-11	G-IV	334sq	NAF11	OE-FCO	Ce510	GlobeAir	GAC885A/663D
D-ASIM	Falcon 7X	Air Hamburg	AHO9118/401	OM-GTH	B737-8BK	Corendon Airlines	CAI049/050
D-CEFO	Ce560XLS+	Air Hamburg	AHO225H	OO-ACO	Ce510	Air Service Liège	27 2x
D-CMDH	Ce680	E-Aviation	EFD6H	OY-NPF	SA227DC	North Flying	27 NFA114P/115

SP-AST	Ce525	AMC Aviation	AMQ9T	OO-GLM	Ce680	Air Service Liège	02
27. CS-PHH	EMB505	NetJets Europe	NJE7QZ/914G	PH-EUA	AW139	CHC Helic. Neth.	HNL31A
D-CEIS	Ce680	E-Aviation	EFD6S	PH-EUE	AW139	CHC Helic. Neth.	HNL12A
D-CJMK	Ce560XLS+	Air Hamburg	AHO341X/26G	PH-EUK	AW139	CHC Helic. Neth.	HNL02A
G-JOTR	BAe146-RJ85	JOTA Aviation	CFE4457/8	PH-WTG	EC135P2+	HeliCentre	arr
G-SPRE	Ce550 Bravo	Synergy Aviation	SYG2	TC-AGF	A330-203	AtlasGlobal	KKK6255/6
OO-ACO	Ce510	Air Service Liège	01	02. OH-WIX	Falcon 7X	Jetflite	dep JEF99
PH-DAM	P180	JetNetherlands	arr	PH-LAB	Ce550	NLR – TU Delft	
PR-OBE	Falcon 2000LX	Construtora Norberto Odebrecht		SX-ODS	A320-232	Corendon Airlines	CAI1183/4
28. D-IPCH	Ce525A	Jetkontor	JKH32A	03. D-IEMO	Raytheon 390	Pro Jet	
OY-JTR	B737-73A	Jet Time	TRA6486/073	D-IOVP	PA-42-720	Heli-Flight	
PH-VBG	Falcon 2000EX	JetNetherlands	29	LZ-BHL	A320-232	BH Air	BGH2501/2
29. 9H-DFS	Falcon 50	Harmony Jets	30 HMJ185	N194ER	Ce510	Blue Sky Aviation	arr
9H-JAD	CL-850	Air X Charter	AXY2915/27	OM-GTH	B737-8BK	Corendon Airlines	CAI1283/4
CS-DUC	BAe125-750	NetJets Europe	NJE3ER	OO-GLM	Ce680	Air Service Liège	05
D-IAWG	Ce425	Aerowest		OY-FHA	BN-2A-21	Danish Home Guard	FHV01
D-IPCH	Ce525A	Jetkontor	JKH32A	04. HB-JBA	CS100	Swiss	dep SWR5183
OE-FZD	Ce510	GlobeAir	GAC226J/360P	LZ-BHI	A320-232	BH Air (a/w)	BGH5925/6
OE-IEN	Falcon 2000EX	Global Jet Austria	30 GLJ93EN	SX-ODS	A320-232	Corendon Airlines	CAI1383/4
OY-NPF	SA227DC	North Flying	NFA117/117P	05. G-XJCJ	Ce550 Bravo	Xclusive Jet Charter	XJC857
30. V-11	G-IV	334sq	NAF11	LX-ICL	B747-467F	Cargolux	UAE9962
EC-MXJ	A320-214	Gowair (a/w)	TFL091P/195	N930SA	TBM-930	Spectrum Medical Aviation	
EC-MXJ	A320-214	Gowair (a/w)	01 TFL196/601	SX-ODS	A320-232	Corendon Airlines	CAI1483/4
G-JSSE	Falcon 900B	Xclusive Jet Charter	01 XJC899	VP-BOE	A321-211	Aeroflot	dep AFL7723
G-SPRE	Ce550 Bravo	Synergy Aviation	SYG2	06. EI-GKW	B737-809	AlbaStar	LAV976P/731
N1RP	G550	Penske Jet		OO-HSHB	Ce510	Flybox	08
N142JS	Falcon 2000LX	Sankey Air	01	OO-IDE	Ce525	Air Service Liège	
N930DH	TBM-930			OO-SKS	Ce560XLS	Luxaviation Belgium	2x AAB958
OE-FAT	Ce510	GlobeAir	GAC710F/609G	PH-HZO	B737-8K2	Transavia Airlines	TRA091/8031
OM-GTH	B737-8BK	Corendon Airlines	CAI049/050	07. TC-ACF	B747-481(F)	Saudia	SVA915/6

The Miami Air Boeing 737 operated its last flight for TUI Netherlands on the 2nd. The aircraft then positioned from Amsterdam on the 3rd and operated the rest of the month for Transavia until its departure back to the US on 1 October 2019. The Embraer E195-E2 on the 12th performed a touch and go while operating a local flight from Amsterdam. Two easyJet aircraft diverted to Rotterdam on the 3rd as did four KLM aircraft. AlbaStar operated a charter to Palma de Mallorca on the 17th. On the 18th both JOTA Aviation and Carpatair operated a charter to Glasgow. Enter Air arrived from Palma de Mallorca. Both Glasgow charters returned on the 20th. Great Dane Airlines operated a round trip to and from Kristiansand on the 21st.

Credits: Rotterdam Airport, Airnieuws, Rotterdam The Hague Airport Aviation (Facebook group), Scramble MB.

## Maastricht - Aachen

September 2019

01. N194ER	Ce510	Blue Sky Aviation		16. EC-MTV	B737-8K5	AlbaStar	LAV6732/911P
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Cape Air has taken delivery of the first two Tecnam P2012 aircraft. Although officially accepted a few month ago, both aircraft had to wait in Italy to be certified by the FAA. The Travellers are scheduled to replace the Cessna 402s currently in the Cape Air fleet. The airline is scheduled to have eight before the end of 2019, and an additional twelve in 2020, with a total scheduled delivery of 112 over the next ten years. On 22 September 2019 N133CA and N224CA were delivered to the airline via the Netherlands. (Groningen - Eelde, 22 september 2019, Kas van Zonneveld)



Bizjets from Chile are quite rare in the Netherlands. Cessna 680A Latitude CC-AXZ visited Groningen - Eelde on 17 September 2019 during a short stay in Europe and Simon Dorschman was able to photograph the bizjet.

G-STMT	Falcon 7X	TAG Aviation UK	17	PH-HZL	B737-8K2	Transavia Airlines	TRA8042/0092
OO-JAX	B737-8K5	TUI Belgium	JAF066F/9200	27.LX-WCV	B747-4R7F	Cargolux	UAE9962
PH-DWA	ERJ145LR	Air Charters Europe	JNL563/927	28.CS-DXQ	Ce560XLS	NetJets Europe	NJE660C/9LB
PH-HXI	B737-800	Transavia Airlines	TRA091/8037	D-CARO	Ce680	Aerowest Flugcharter	29
PH-HXI	B737-800	Transavia Airlines	TRA8038/0092	D-CYKP	Ce550 Bravo	Tyrol Air Ambulance	29 TYW525P/3P
17.G-JMCL	B737-322(F)	West Atlantic	NPT242/3	D-IAAD	EMB500	Arcus Air	AZE39AZ/2AZ
G-OSRB	B727-2S2F	Oil Spill Response	18 BRO27B	HB-VYM	EMB505	Manhag	
LN-RDV	DHC-8-402	Widerøe	dep WIF9001	HZ-AK74	B777-FFG	Saudia	SVA915/6
LN-RDZ	DHC-8-402	Widerøe	arr WIF9000	29.PH-DWA	ERJ145LR	Air Charters Europe	05 JNL307/486
LZ-BHM	A320-232	BH Air	BGH2501/2	PH-DWS	ERJ135LR	Air Charters Europe	11 JNL143/942
OK-PVG	PC-12/47E	Gumárny Zubří		PH-TXA	Ce510	JetNetherlands	30
18.N543GL	Global 6000	Skechers USA	20	YR-FZA	Fokker 100	Carpatair	KRP2877/4083
N599H	G550	Honeywell	19	30.HB-JBB	CS100	Swiss	07 SWR5180/3
N903G	G450	Owens-illinois		PH-CJM	Ce680	ASL	01
OE-FLA	Ce525A	Fly Tyrol	FTY7	PH-NNX	Ce750	ASL	f/v
OO-GLM	Ce680	Air Service Liège	19				
OO-TNB	B737-8K5	TUI Belgium	JAF9300/931F				
PH-DWA	ERJ145LR	Air Charters Europe	19 JNL247/314				
19.CS-DXR	Ce560XLS	NetJets Europe	NJE798K/4VN				
D-BLUE	Falcon 2000LX	ACM Air Charter	BVR222				
LX-WCV	B747-4R7F	Cargolux	UAE9962				
OK-PVG	PC-12/47E	Gumárny Zubří					
20.CS-DUA	BAe125-750	NetJets Europe	NJE806M/747U				
CS-DXZ	Ce560XLS	NetJets Europe	NJE451E/930H				
D-CDDD	Ce560XLS+	DC Aviation	DCS713				
OO-GEE	PC-12/47E	Blue Sky Aviation					
PH-DWA	ERJ145LR	Air Charters Europe	21 JNL314/025				
S5-AAL	CRJ900LR	Adria	arr ADR4000				
TC-CMB	Lj45	Redstar Aviation					
VP-BTG	A321-211	Aeroflot	26 AFL7722/3				
21.D-CAWX	Ce680+	Aerowest					
D-CUTE	Beech 350	ADAC	ADN16A				
D-IBJJ	Ce525A	Air Hamburg	22 AHO111A/5K				
OE-GCG	Ce560XL	Goldeck-Flug	GDK21CG				
TC-MCT	B747-412F	Saudia	SVA915/6				
22.4K-SW888	B747-4R7F	Silk Way West	AZG1261				
OK-PVG	PC-12/47E	Gumarny Zubri					
OO-CEJ	Ce525	Air Service Liège	23				
23.LN-WIU	DHC-8-102	Widerøe	dep WIF9002				
OO-CEJ	Ce525	Air Service Liège	24				
VP-BJC	A220-300	GTLK (a/w)	arr SXA590				
24.CS-CHC	CL-350	NetJets Europe	NJE7UH/279M				
D-CHZF	Ce550 Bravo	Tyrol Air Ambulance	TYW212F/3F				
OE-GCG	Ce560XL	Goldeck-Flug	25 GDK24CG/5CG				
25.D-AVIB	ERJ135BJ	Air Hamburg	26 AHO518T				
D-CAWU	Ce560XLS	Adolf Würth	2x				
D-CROG	EMB505	Air Hamburg	AHO292R				
D-IAAS	EMB500	Arcus Air	AZE31AZ/29FE				
YR-FKB	Fokker 100	Carpatair	27 KRP4940/2876				
26.D-IAHT	MU-2B-26A	Fly-Point Flugservice Haufe					
D-IMPO	Beech C90B						
OO-PKX	Ce750	Air Service Liège					
PH-HZL	B737-8K2	Transavia Airlines	TRA091/8041				

With the summer season slowly ending, this also means the leased aircraft will disappear from the movements. Transavia and AlbaStar operated the last pilgrimage flights this month. Saudia only operated two flights with own equipment. CHC Helicopters Netherlands operated several Formula 1 shuttle flights to Spa on the 1st. On the 4th a Swiss C Series departing after visiting SAMCO. The Aeroflot bus on the 5th departed after a repaint. Qatar Airways came by on their way to Liège on the 15th. TUI Belgium and Air Charters Europe both operated a KRC Genk charter on the 16th. A Widerøe aircraft change at SAMCO on the 17th. KRC Genk returned from Salzburg and again used aircraft from Air Charters Europe and TUI Belgium on the 18th. On the 20th a second Aeroflot bus arrived for a repaint. The former Adria Canadairjet on that date was reregistered to PH-ADO shortly after arrival. A second GLTK Airbus A220 (see photo on page 10, #485 for the first aircraft) arrived for storage on the 23rd. Carpatair operated a charter to Bologna on the 25th. The charter flight returned on the 29th. A second Swiss C Series arrived for maintenance on the 30th.

Credits: SG Maastricht / Threshold, Flymst.nl forum.

### Groningen - Eelde

September 2019			
01.G-JOTS	BAe146-RJ100	JOTA Aviation	ENZ638P/638
G-SMLA	BAe146-200	JOTA Aviation	ENZ639P/639
OY-NDP	Ce525A	Greybird Aviation	dep
02.OE-FGI	Ce525	Pink Sparrow	SOW2
PH-TXA	Ce510	JetNetherlands	2x
03.160/ABV	TBM-700B	EAAT	FMY8042
D-IPCH	Ce525A	Jetkontor	JKH32A
PH-BGN	B737-7K2	KLM	div KLM32W/1440
PH-BGP	B737-7K2	KLM	tst KLM9851
PH-BXO	B737-9K2	KLM	div KLM1164
PH-EXH	ERJ170STD	KLM	div KLM67K/1482

04.PH-TXA	Ce510	JetNetherlands	05	07.PH-AVW	R44	A. F. C. van Westerop	
06.OK-CTP	PC-12/47E	OK Aviation Wings	NTF426	PH-PXD	EC135P2+	Nationale Politie	ZXP04
YU-BST	Ce525	Eagle Express	EES200	08.D-FIBE	PC-6/B2-H4	KIAS Airlines	17
08.D-ISUN	Ce5252A	Excellent Air	arr ECA5J	D-HMIM	H269C	S.P. Luftbild	
09.OE-FNP	Ce510	GlobeAir	GAC426J/782B	OO-SPA	Ce208B	Skydive Center Spa	arr
10.OE-FZA	Ce510	GlobeAir	GAC698V/352P	10.PH-ECD	EC120B	Heli Holland Holding	
12.D-CPOS	Ce680+	IFM Traviation		11.PH-DTS	DA42	Wings over Holland	
PH-TXA	Ce510	JetNetherlands		PH-HCF	Cabri G2	HeliCentre	
PH-ULP	EC135T2	ANWB - MAA	arr	PH-HGB	R44	HeliAir	
13.G-POWD	B767-36NER	Titan Airways	AWC831/383W	12.N2648X	Ce501	T.S. Aviation	
N188J	Global 5000	Executive Jet Management	EJM188	PH-DTW	Yak-52	Dutch Thunder Yaks	
17.CC-AXZ	Ce680A	Aeroservicios Tronador	18	PH-DTY	Yak-52	Chris van den Broek	
18.D-AWR	Ce560 Encore+	Aerowest		PH-HCF	Cabri G2	HeliCentre	
D-CGRC	Lj35A	Jet Exec. Int'l	arr	14.PH-ELP	EC135T2	ANWB - MAA	
G-DCMT	EMB505	Centreline	CLF385	PH-KIO	P2006T	Kavel 10	
OE-FOG	Ce510	GlobeAir	GAC916L/926F	19.D-HGVB	R44	Rotavisie	27
OE-FZA	Ce510	GlobeAir	19 GAC131L/020L	N980EE	RC695	Egon Evertz	dep
19.N1753S	GA-8	FSA Aviation		20.M-XHEC	EC155B	Catena Aviation	22
N600GK	Ce525	Fair Wind Air		PH-ELP	EC135T2	ANWB - MAA	
OE-FZA	Ce510	GlobeAir	20 GAC020M/262L	22.OO-GOD	R44	C & C Invest	
20.G-PCJS	DA42NG	P. Cooper & G. Sealey	23	PH-PXD	EC135P2+	Nationale Politie	ZXP04
21.G-MAJY	BAe4102	Eastern Airways		24.N9018Z	Ce208B	Mission Aviation Fellowship	f/v 04
23.T7-HGW	SF-50	Heinrich Weiss	arr	PH-ECE	EC120B	Heli Holland Holding	
24.HB-GPH	Beech B200	Pinkerton	* 4x	27.OE-FOE	C510	GlobeAir	
N795CJ	Raytheon 4000			28.OO-STR	AS350B3	Stephex Stables	
PH-CGC	Do228-212	Kustwacht	*NCG03				
27.D-IAKN	Ce525A	Star Wings Dortmund	STQ111				
28.HB-LZT	DA42NG	Sundowner	29				
OE-EGO	PC-12/47E	Airlink					
29.PH-TXA	Ce510	JetNetherlands					
30.CS-LAS	Ce680A	NetJets Europe	NJE327T/5UC				
D-IAWG	Ce425	Aerowest	01				
M-LWSG	Global 6000	Lynx Aircraft					
N272BG	G550	Contrail Aviation	arr				
PH-NNX	Ce750	ASL					

On the 3rd some Amsterdam diversions and a KLM Boeing on a test flight.

Credit: GEAS, FlyGRQ.

## Deventer-Teuge

September 2019				September 2019			
01.PH-EUK	AW139	CHC Helicopters Neth.	2x	01.F-HIPE	EMB505	Pan Européenne Air Service	PEA301
02.D-FLIZ	Ce208	Skydive Center Spa		G-WIRG	ERJ135BJ	Air Charter Scotland	EDC183
PH-ATT	H269C	Heli Holland Holland		N19NE	Falcon 7X	Planet Nine Private Air	
PH-ELP	EC135T2	ANWB - MAA		OO-GEE	PC-12/47E	Blue Sky Aviation	
PH-FSD	Ce208	Fallschirmsport Damme	05	OO-PKX	Ce750	Air Service Liège	03
PH-ULK	AS350B3	ProRail/HeliAir		OO-XLS	Ce560XLS+	Air Service Liège	
04.F-HPGA	Beech 350i	Emil Frey (Motors) France		PH-FJK	Ce525B	JetNetherlands	dep
05.PH-HCE	R66	HeliCentre	07	PH-FJK	Ce525B	JetNetherlands	03
PH-KTM	R44	HeliAir		02.D-ISAR	Raytheon 390	Euroflug Frenzel	
PH-PXZ	AW139	Nationale Politie	ZXP26	OO-SLM	Ce560XLS	Luxaviation Belgium	03 AAB955
06.N4207X	Ce337F			OO-XLS	Ce560XLS+	Air Service Liège	
PH-MAS	P68C-TC	Miramap Aerial Surveys	dep	OY-CLZ	ATR72-212A	Alsie Express	dep
				PH-HWM	CL-605	ASL	dep



In November 2011 this Cessna 208B was delivered to Asperbras Geophysical, already registered as N9018Z. The aircraft was acquired by Mission Aviation Fellowship in April 2019. At the end of November 2019 this Cessna will be presented to MAF-donors at Teuge airport. N9018Z is destined to serve the South Sudan region. (Teuge, 27 September 2019, Ivo de Groot)



Hi Fly is receiving two brand new Airbus A330-900neos this year. CS-TKY was delivered to the wet-leasing specialist in September 2019. (Eindhoven, 28 September 2019, Michiel van Herten)

PH-NNX	Ce750	ASL	f/v	15-5822/RS	C-130J-30	86th AW	22 Herky611
PH-TXA	Ce510	JetNetherlands		166380/BH	KC-130J	VMGR-252	22 Bronco50
TC-RSB	Lj45XR	Red Star		F-HJSB	Ce525 (M2)	Ixair	
03.FB14	F-16BM	10w/OCU	*BAF451	M-JN JL	Global XRS	Air Fleet Management	17
135L-484	ERJ135BJ	352 MMYP	HAF325B	N473DC	C-47A	Lincolnsh. Avn Heritage Centre	tdy 22
D-AXXX	B737-8LX	ACM Air Charter	BVR001	PH-CJM	Ce680	ASL	23
D-CAWU	Ce560XLS	Adolf Würth		PH-NNX	Ce750	ASL	
PH-FJK	Ce525B	JetNetherlands	04	17.CH11	C-130H	20sq (D-Day mks)	21 BAF667
UR-CJN	An-12B	Cavok Air	arr CVK7009	CS-CHH	CL-350	NetJets Europe	18 NJE371R/357U
04.160/ABV	TBM-700B	EAAT	FMY8042	D-CPDA	M-28	PD Air Operation	tdy 21
LX-N90453	E-3A	NAEW&CF	*Nato41	D-CPDB	M-28	PD Air Operation	tdy 21
J-021	F-16AM	312/313sq (322sq mks)	*Tiger1	PH-HWM	CL-605	ASL	19
T.21-06/35-44	C295M	353Esc	AME3562	18.1x	CH-47D	298sq	*GLV-V
D-IFMG	Raytheon 390	Forum Air		50+77	C-160D	LTG63	22
EJ-CORE	ERJ135BJ	GainJet Ireland	05 GJ165R	ZH872	Hercules C4	24/47sq	23 RRR5706
OO-CLA	Ce525C	Luxaviation Belgium	2x AAB863	D-CAWR	Ce560 Encore+	Aerowest	
OO-PKX	Ce750	Air Service Liège		EC-LZO	B767-35DER	Privilege Style	20 PVG6995/6
PH-FJK	Ce525B	JetNetherlands	06	OO-PKX	Ce750	Air Service Liège	26
PH-HWM	CL-605	ASL	16	PH-MYX	Ce650	JetNetherlands	
05.D-CHRD	Ce680	Hahn Air	HHN30D	19.D-102	CH-47D	298sq	*GLV-V
D-IFMG	Raytheon 390	Forum Air		D-103	CH-47D	298sq	*GLV-V
OE-GBE	IAI1125SPX	Tyrol Air Ambulance	TYW316/314	11-0550	C-37B	99th AS	SAM775
OK-SLX	Ce560XL	Silesia Air	SUA651/2	PH-CGC	Do228-212	Kustwacht	*
SE-DZA	ERJ145EP	Amelia	06 AEH221F/221	RA-30078	An-30B	Russian AF/Open Skies	*
06.CH03	C-130H	20sq	*BAF672	20.MM62178	C-130J	50GR/46BA	22 IAM4681
D-CEFE	Ce525C	E-Aviation	EFD4E	S-454	AS532U2	300sq	*Wildcat66
D-CHRD	Ce680	Hahn Air	HHN30D	21.11-0550	C-37B	99th AS	SAM775
N194ER	Ce510	Blue Sky Aviation		LX-RSQ	Lj45XR	Luxembourg Air Ambulance	LRQ648
OO-SLM	Ce560XLS	Luxaviation Belgium	AAB955	PH-HWM	CL-605	ASL	22
PH-OYI	B767-304ER	TUI Netherlands	TFL073P/7651	PH-NDK	Falcon 900B	Exxaero	25 XRO546/590
07.J-008	F-16AM	312/313sq	*Sting21	22.9H-VCK	CL-350	VistaJet Malta	VJT405
J-063	F-16AM	312/313sq	*Sting	EC-NAB	B737-81Q	AlbaStar	LAV6732/1
T-264	KDC-10	334sq	dep	PH-HWM	CL-605	ASL	26
G-KLNW	Ce510	Saxonair	SXN51D	23.54+16	A400M	LTG62	24 GAF023
N341AP	Falcon 2000EX	Southern Air Systems	09	G-JOTR	BAe146-RJ85	JOTA Aviation	ENZ728P/728
PH-NDK	Falcon 900B	Exxaero	XRO501/557	PH-CJM	Ce680	ASL	25
08.OO-PKX	Ce750	Air Service Liège	11	24.54+08	A400M	LTG62	GAF024
SE-DZA	ERJ145EP	Amelia	AEH222/222F	L-07	PC-7	131EMVosq	*Rebel1
09.MM62214	C-27J	98*GR	14 IAM4688	OE-FDK	SC.7	Pink Aviation	27
S-453	AS532U2	300sq	*Demon4, GLV-V	PH-FJK	Ce525B	JetNetherlands	25 2x
CS-DXT	Ce560XLS	NetJets Europe	NJE276C/572D	26.L-08	PC-7	131EMVosq	*Diamond09
10.50+51	C-160D	LTG63	13 GAF197	L-09	PC-7	131EMVosq	*Diamond06
D-CBEN	Ce560XLS+	Adolf Würth		PH-HWM	CL-605	ASL	27
11.LX-N90445	E-3A	NAEW&CF	*	27.54+08	A400M	LTG62	GAF012
CS-DXW	Ce560XLS	NetJets Europe	NJE120D/867L	9H-YES	B737-5Q8	Air X Charter	AXY2706/2808
PH-CGC	Do228-212	Kustwacht	NCG03	OO-XLS	Ce560XLS+	Air Service Liège	
PH-DHC	DHC-2	SKHV		PH-CJM	Ce680	ASL	28
PH-KHV	Beech D18S	SKHV		PH-FJK	Ce525B	JetNetherlands	29
12.D-IFGU	Ce425	Dieffenbacher		28.CS-TKY	A330-941N	Hi Fly	f/v HFY751/002P
PH-HGT	Ce680+	JetNetherlands	13 XRO571	PH-LSK/B64	AT-16ND	SKHV	
13.LX-N90456	E-3A	NAEW&CF	*Nato40	PH-TBR/B182	AT-16ND	SKHV	
60-0041	B-52H	93rd BS	*Scalp99	29.CE01	ERJ135LR	21sq	BAF617
D-AWIN	ERJ135BJ	Air Hamburg	15 AHO633Z/790R	06bl	C-27J	Transporto Esk	LYF277
PH-FJK	Ce525B	JetNetherlands	20	027	C295M	8.BLTr	30 PLF044
PH-OYI	B767-304ER	TUI Netherlands	TFL7624/078P	OO-XLS	Ce560XLS+	Air Service Liège	
15.OO-PKX	Ce750	Air Service Liège	17	PH-CJM	Ce680	ASL	30
PH-CJM	Ce680	ASL	dep	PH-HWM	CL-605	ASL	arr
16.021	C295M	8.BLTr	22 PLF040	30.02	C-17A	HAW	Bartok93

D-102	CH-47D	298sq	*
D-CSOS	LJ45	Jetcall	JCL1
LX-RSQ	Lj45XR	Luxembourg Air Ambulance	LRQ683
OK-TVF	B737-8FH	Travel Service	TVS434P/4340
OO-PKX	Ce750	Air Service Liège	01

Eindhoven received the Hellenic Prime Minister on 3 September, including his Embraer 135 before he went to Rotterdam. First aid support for the Bahamas departed on 7 September with the KDC-10, including 84 Marines. As part of training Falcon Leap the Italian C-27J arrived from Pisa for a couple of days. The second week the Market Garden memorial jumps were incorporated with various daily flights from both 336sq C-130H-30s, a Belgian 20sq C130H, a USAFE C-130J-30, a USMC KC-130J, a RAF Hercules C4, a Poland Casa 295 a German C-160D and two civil German M-28s and the usual C-47A. Special guest this year was the Italian C-130J and a USAF C-37B visiting twice. The German A400M on 23 September was rather unfortunate as a bird hit kept the large hauler on the ground for one day as a second A400M needed to bring parts from Wunstorf. After the fix 54+16 went to Birmingham and returned some days later. TUI operated a military charter on the 6th. Sporting Portugal used the Privilege Style Boeing 767 on the 18th. On the 28th a first visit of an Airbus A330 neo. The Hi Fly bus operated a military charter. Travel Service operated a military charter to Valencia via Brussels on the 30th.

Additional note: The underlined movements above are gathered with help of ADS-B/scanner data.

Credits: EWAS, Oscar Sannen, Scramble MB.

### Gilze-Rijen

September 2019			
12. D-103	CH-47D	298sq	arr <u>Grizzly01</u>
D-663	CH-47D	298sq	arr <u>Grizzly03</u>
D-664	CH-47D	298sq	arr <u>Grizzly02</u>
17. G-273	C-130H-30	336sq	*Uncle Able Able
G-275	C-130H-30	336sq	*Uncle Able Baker
15-5822	C-130J-30	86th AW	*Uncle Able Dog
166380	KC-130J	VMGR-252	*Uncle Able Charlie
G-BMSB	Spitfire Tr.IX	Biggin Hill Heritage Hangar	
24. L-04	PC-7	131EMVosq	*Diamond08
25. L-07	PC-7	131EMVosq	*Diamond09
26. L-08	PC-7	131EMVosq	*Diamond09
30. L-08	PC-7	131EMVosq	*Diamond08
L-09	PC-7	131EMVosq	*Diamond09
<u>N-233</u>	NH90-NFH	860sq	arr <u>Guardian26</u>

The three Chinooks on 12 September, returned from their deployment at Aviano. Five days later a historical World War 2 formation flew over the airfield, using two RNLAf C-130H-30s, one Ramstein based C-130J-30 and one MCAS Cherry Point based KC-130J. The dual seat Spitfire was flown in from the UK to treat a surviving Veteran on the best day of his respectful life.

Additional note: The underlined movements above are gathered with help of ADS-B/scanner data.

Credits: Gilze Rijen Aviation Society, Scramble MB.

### De Kooy

September 2019			
01. ST46	SF260D	CC Air	
27. D-106	CH-47D	298sq	
358	NH90-NFH	337skv (Coastguard mks)	30

The Norwegian Air Force NH90-NFH was on delivery to Bardufoss and was sporting the Kystvakt markings, also known as their Coastguard. One Belgian Marchetti and DHC neighbouring CH-47D complete the visitor list for September.

Credits: SG De Kooy / Den Helder, Den Helder Aviation Photography, Oscar Sannen, Scramble MB.

### Leeuwarden

September 2019			
02. J-515	F-16AM	312/313sq (nmks)	Slammer06
03. PH-LAB	Ce550	NLR/TU Delft	*
04. PH-PXB	EC135P2+	Nationale Politie	Police02
05. FA123	F-16AM	10w	BAF431
06. J-008	F-16AM	312/313sq	*Crack1
J-017	F-16AM	312/313sq	Crack2
10. 16805	C-130H	Esq501	AFP053
18. NX139LE	L-39ZO	Skyline Aviation	*
20. FA106	F-16AM	10w	BAF451/432
FA127	F-16AM	10w	BAF452/512
15120	F-16BM	Esq201/301	27 AFP99
15131	F-16AM	Esq201/301	27 AFP98
23. FA81	F-16AM	10w	27 BAF432/431
FA119	F-16AM	10w	27 BAF431/432
ET-197	F-16BM	Skrydstrup Wing	DAF3260
J-013	F-16AM	312/313sq	Fist1/Bulldog1
25. PH-CGC	Do228-212	Kustwacht	*NCG03
26. FB24	F-16BM	10w/OCU (spec mks)	BAF431/433
E-004	F-16AM	Skrydstrup Wing	DAF3261/Phenom2
ET-197	F-16BM	Skrydstrup Wing	DAF3260/Phenom1
27. FB14	F-16BM	10w/OCU	BAF511

Fightertown Leeuwarden continued the FWIT training in September with addition of the EPAF/ European Participating Air Forces testteam evaluating a new F-16 software upgrade, following the MLU-tapes. Various Belgian, Danish and Portuguese F-16AMs and F-16BMs took to the skies in order to explore new features to keep the F-16 fleet up to specs for the future years in order to transit to their new fighter jets, like the F-35A.

Credits: MILSpotters, Oscar Sannen, Dirk Visser and Scramble MB.

### Lelystad

September 2019			
01. G-OAJS	PA-39	Mark Carlyle Bellamy	dep



China Eastern Business Aviation Services took delivery of this Embraer in July 2013 as B-3799. The ERJ135BJ was ferried to Lelystad for painting. P4-SAM seems to be based at Sheremetyevo International Airport. (Lelystad, 20 September 2019, Bastiaan Smeets)



Former LV-HVS was ferried to Tarbes in February 2019. Registered as VQ-BXQ the Airbus A320 arrived at Woensdrecht still in AVIANCA colours. (Woensdrecht, 25 September 2019, Johan Havelaar)

02. 2-DARE	PC-12/47E	Brightling Services	dep	05. OY-JEV	Ce550	Weibel Scientific	
03. OE-FZB	Ce510	GlobeAir	GAC189K/301J	SE-DXR	J-35J	SwAFHF	
05. D-HGVB	R44	Rotavisie		06. CH03	C-130H	20sq	*BAF672
06. OO-RFF	R44	Heliventure FTO		10. PH-CGN	Do228-212	Kustwacht	
07. PH-HCH	EC120B	HeliCentre		12. Q-16	AH-64DN	301sq	*Redskin13
09. D-HGVB	R44	Rotavisie		Q-18	AH-64DN	301sq	*Redskin14
PH-RBC	EC120B	HeliAir		13. FB14	F-16BM	10w/OCU	*BAF501
10. D-HGVB	R44	Rotavisie		MM62194	C-130J-30	50GR/46BA	IAM4673
OO-CAS	Bell 4077GXP	Heliplus	11	16. MM7014/6-13	Tornado IDS	154GR/6ST	20 IAM0602/3
PH-RBC	EC120B	HeliAir		MM7044/6-76	Tornado IDS	154GR/6ST	20 IAM0601/3
11. PH-ANO	Ce560XLS	JetNetherlands		MM7081/6-57	Tornado IDS	154GR/6ST	19 IAM0603/1
PH-RBC	EC120B	HeliAir		18. CH11	C-130H	20sq (D-Day mks)	*Uncle Able Baker
12. N125DE	Eclipse 500	Blueprint Automation		20. MM62181	C-130J	50GR/46BA	IAM4670
N747KS	Ce510	Karsten Schroeder	14	23. 10-0218	C-17A	62nd AW	24 RCH136
PH-RBC	EC120B	HeliAir					
PH-WIK	AS350B3	HeliAir					
13. D-HGVB	R44	Rotavisie					
N2006M	Ce525B	TVPX ARS					
PH-KFA	DA42	KLM Flight Academy	KLM7934				
14. N464LB	PA-46-350P						
PH-KTM	R44	HeliAir					
15. D-GLBA	DA42	European Flight Training Center					
16. PH-KFB	DA42	KLM Flight Academy	KLM7934				
17. CS-DQB	Ce560XLS	NetJets Europe	NJE406U				
G-GBAS	DA62	Flight Calibration Service	VOR05				
PH-ULP	EC135T2	ANWB - MAA	Lifeline1				
18. OE-FHK	Ce510	GlobeAir	GAC47J/K				
PH-ENK	R44	Bear Helicopters					
PH-KTM	R44	HeliAir					
19. G-GBAS	DA62	Flight Calibration Service	VOR05				
PH-RBC	EC120B	HeliAir					
20. F-HODB	PA-31-350	Pixair Survey	tdy PXR31G				
P4-SAM	ERJ135BJ	SmartJet Aviation	arr				
PH-ENK	R44	Bear Helicopters					
PH-ULP	EC135T2	ANWB - MAA	Lifeline1				
21. G-HCSA	Ce525A	Bookajet	BOO914				
OO-GOD	R44	C & C Invest					
PH-ENK	R44	Bear Helicopters					
PH-MAS	P68C-TC	Miramap Aerial Surveys					
28. D-HGVB	R44	Rotavisie					
30. N989PR	TBM-850	Angus Jones					
PH-DOC	H135	ANWB - MAA	del				
PH-HVB	EC135T2+	ANWB - MAA	Lifeline1				

The Embraer on the 20th arrived for paintwork by SATYS. On the last day of September a new helicopter for ANWBs Medical Air Assistance arrived from Germany.

Credits: Berend Jan Floor, Richard Poeser, Ernesto Bauer, Lelystad Airport Aviation Group (Facebook), Scramble MB.

### Volkel

September 2019			
02. G-275	C-130H-30	336sq	NAF24
04. J-065	F-16BM	322sq	Flame01

05. OY-JEV	Ce550	Weibel Scientific	
SE-DXR	J-35J	SwAFHF	
06. CH03	C-130H	20sq	*BAF672
10. PH-CGN	Do228-212	Kustwacht	
12. Q-16	AH-64DN	301sq	*Redskin13
Q-18	AH-64DN	301sq	*Redskin14
13. FB14	F-16BM	10w/OCU	*BAF501
MM62194	C-130J-30	50GR/46BA	IAM4673
16. MM7014/6-13	Tornado IDS	154GR/6ST	20 IAM0602/3
MM7044/6-76	Tornado IDS	154GR/6ST	20 IAM0601/3
MM7081/6-57	Tornado IDS	154GR/6ST	19 IAM0603/1
18. CH11	C-130H	20sq (D-Day mks)	*Uncle Able Baker
20. MM62181	C-130J	50GR/46BA	IAM4670
23. 10-0218	C-17A	62nd AW	24 RCH136

The Swedish Air Force Historical Flight Saab J-35J Draken visited Volkel while heading for Zeltweg, being supported by the Danish Citation. Aside from its civil registration the single seat Draken also sports 35556/56 markings. As part of Büchel hosted Cold Igloo exercise Volkel got to host three Ghedi-based Tornados and two visiting Hercules transporters. For the fifth time this year a USAF C-17A visited Volkel on its tour throughout Europe, leaving for Kleine Brogel the following day.

Credits: SGVolkel Message Board, Scramble MB.

### Woensdrecht

September 2019			
02. D-101	CH-47D	298sq	tst Grizzly92
03. D-101	CH-47D	298sq	tst Grizzly92
Q-16	AH-64DN	301sq	*Redskin42
04. LX-N90453	E-3A	NAEW&CF	*Nato41
D-101	CH-47D	298sq	tst Grizzly92
OH-ATG	ATR72-212A	NoRRA	dep FIN8922
SU-NMA	A320-232	Nesma Airlines	dep NMA4400
XY-ALJ	A320-214	Myanmar Airw. Int'l	dep MMA1001
05. ST43	SF260D	CC Air	BAF151
06. D-101	CH-47D	298sq	dep Grizzly91
EC-KCG	B737-85P	Air Europa	arr AEA006
09. F-HBIB	A320-214	Aigle Azur c/s	arr AAF158F
PH-HXK	B737-8K2	Transavia	11 TRA051/2
11. CS-TFY	A320-232CJ	Masterjet	13 LMJ465Y
13. 5B-DDA	Fokker 70	TUS Airways	dep CYF124
OO-SFP	A330-343	Brussels Airlines (EWG c/s)	dep
VQ-BXS	A320-214	GECAS (Avianca c/s)	arr
16. D-666	CH-47D	298sq	arr Grizzly97
HZ-A11	ATR72-212A	Alpha Star Aviation	tst
PH-HXN	B737-800	Transavia	TRA051/2
VP-BQR	B737-8HX	ACG (Love Fly c/s)	tst
VP-BQS	B737-8HX	ACG (Love Fly c/s)	tst
17. J-060	F-16AM	312/313sq	dep Slammer
PH-LAB	Ce550	NLR - TU Delft	18
18. PH-DHC/S-9	DHC-2	SKHV	
19. Q-16	AH-64DN	301sq	arr Redskin07

20.HZ-A11	ATR72-212A	Alpha Star Aviation	dep
OH-ATM	ATR72-212A	NoRRA	dep FIN8926
24.N-326	NH90-NFH	860sq	tst Fiber11
25.N-326	NH90-NFH	860sq	tst Fiber10
VQ-BXQ	A320-214	GECAS (Avianca c/s)	arr
27.N-088	NH90-NFH	860sq	arr Neptune10
N-326	NH90-NFH	860sq	dep Neptune10
30.N642AC	A320-214	ACG - Austrian Airlines	arr

The Air Europe Boeing 737 on the 6th arrived for storage, the Transavia's for scimitar winglets installation and sadly some busted airlines brought some leased A320s to Woensdrecht. The GECAS machines came from various Avianca departments. ACG is placing two former Ukraine International B737-800s with Malaysian start-up Love Fly. One former Avianca Brasil A320 heading for Austrian Airlines arrived still in Avianca colours.

Credits: Johan Havelaar, Scramble MB.

### Texel

August 2019			
01.PH-PXY	AW139	Nationale Politie	NCG04
PH-SWN	Ce414A	PARC Air	
03.PH-CGN	Do228-212	Kustwacht	NCG01
PH-VCC	DA62	Cav-Okay	
04.PH-DKI	P68C	Zeeland Air	
05.PH-PXY	AW139	Nationale Politie	NCG04
06.D-HGVB	R44	Rotavisie	
07.PH-HHK	Bell 206L1	Heli Holland Holding	
08.PH-CGC	Do228-212	Kustwacht	NCG01
PH-PXB	EC135P2+	Nationale Politie	ZXP02
10.PH-EUJ	AW139	Heli Holland Offshore	HNL70A
13.2-PROF	R66	HT Flight	
PH-ECE	EC120B	Heli Holland Holding	
14.PH-PXY	AW139	Nationale Politie	NCG04
15.D-665	CH-47D	298sq	Shadow4
16.PH-HHK	Bell 206L1	Heli Holland Holding	
17.D-HOAF	H145	Wiking Helikopter Service	WHS2AF
D-HOAG	H145	Wiking Helikopter Service	WHS2AG
PH-PXZ	AW139	Nationale Politie	ZXP26
18.N13FY	AT-6A	Hanno Wesdorp	
20.G-PKHA	PC-12/47E	Pilatus Beheer	
PH-DKI	P68C	Zeeland Air	
21.D-HANS	R44	Heli & Co	
PH-DKI	P68C	Zeeland Air	22
PH-DTS	DA42	Wings over Holland	
PH-RLA	Saab 91D	Stichting Levende Oude Luchtvaart	
23.PH-AVW	R44	A. F. C. van Westerop	
PH-ENK	R44	Bear Helicopters	

PH-PXY	AW139	Nationale Politie	NCG04
24.D-EEGD	P.149D	Seagull Formation	25
D-GMWA	PA-30	Rossol	
PH-COM	PA-30	Dutch Airline Pilots Aero Club	
PH-RLA	Saab 91D	Stichting Levende Oude Luchtvaart	
25.PH-DKI	P68C	Zeeland Air	26
27.L-07	PC-7	131EMVOsq	Diamond05
N955SH	PA-46-350P	Strutt	
PH-HHK	Bell 206L1	Heli Holland Holding	
30.PH-COM	PA-30	Dutch Airline Pilots Aero Club	31
31.PH-KTM	R44	Eric Richter Heliservice	
PH-PXD	EC135P2+	Nationale Politie	ZXP04

Credit: Texel Airport.

### Twente

September 2019			
04.CS-DXS	Ce560XLS	NetJets Europe	NJE240W/510N
06.CS-DQA	Ce560XLS	NetJets Europe	NJE443H/743A
PH-HGT	Ce680+	Exxaero	dep XRO434
PH-HVB	EC135T2+	ANWB - MAA	Lifeline1
07.RN01	NH90-NFH	40sq	RESQ61
09.PH-MYX	Ce650	JetNetherlands	
10.D-IDAZ	Ce525	DAS Private Jets	
D-IEFD	Ce525 (M2)	E-Aviation	EFD2F
PH-MDG	Ce680+	Exxaero	11 XRO564/018
11.CS-LTB	Ce680A	NetJets Europe	12 NJE685L/684K
PH-HGT	Ce680+	Exxaero	XRO434
12.CS-LTH	Ce680A	NetJets Europe	NJE710Y/NJE725G
PH-HGT	Ce680+	Exxaero	XRO434/571
13.M-IFFY	Ce510	XEAD Aviation	
PH-MDG	Ce680+	Exxaero	15 XRO018/531
15.PH-HGT	Ce680+	Exxaero	XRO562/495
17.CS-PHB	EMB505	NetJets Europe	18 NJE956M/969L
D-CHRA	Ce525	E-Aviation	18 EFD4A
PH-MDG	Ce680+	Exxaero	XRO531/578
18.PH-MDG	Ce680+	Exxaero	XRO578 arr
19.D-IMRB	Beech C90	E-Aviation	EFD1B
LN-RNN	B737-783	Scandinavian	arr SAS9123
PH-MDG	Ce680+	Exxaero	XRO584
PH-WPB	PC-12/47E	Wiegiers	
20.CS-PHJ	EMB505	NetJets Europe	21 NJE189W/266H
D-CHRA	Ce525C	E-Aviation	EFD4A
24.D-IFHD	Ce525 (M2)	E-Aviation	EFD2D
27.Q-19	AH-64D	301sq	*Redskin51

The Scandinavian Boeing 737 on the 19th arrived for disposal by AELS.

Credit: EHTW spotters.



Delivered to SAS Braathens in October 2005 this Boeing 737 was withdrawn from use by Scandinavian on 8 September 2019. Shortly there after LN-RNN was flown to Twente for disposal. (Twente, 19 September 2019, Remco de Wit)

# Movements Belgium



The ATR42 on this photo began its life as a passenger aircraft in 1989. It was converted to freighter in 2010 when it was added to the Farnair fleet. In May 2019 the aircraft was acquired by Fleet Air as LZ-FAB. (Antwerp, 4 September 2019, Walter Van Brempt)

## Antwerp

			September 2019				
01. CS-DOL	Ce525B	Valair		OO-STR	AS350B3	Stephex Stables	
OO-GEE	PC-12/47E	Pilatus Club One	07	PH-TXA	Ce510	ASL	09
OO-JOE	R44	J&G	08	PH-WAM	CeT206H	AFOC Germany	12
OO-SVG	SV-4B	J. de Block	05	09. HB-IGV	Falcon 50EX	VF International	
PH-HCE	R66	HeliCentre	f/v 02	M-ARTY	PC-12/47E	Creston (UK)	
PH-WAM	CeT206H	AFOC Germany	tst	PH-LAW	CeT310R	AFOC Germany	13
YU-FNR	Ce525	Eagle Express	27	PH-MYX	Ce650	JetNetherlands	11 2x
02. D-IAAT	EMB500	Arcus Air	03	PH-PXF	EC135P2+	Nationale Politie	
EC-GXJ	SA226TC	Flightline	05	10. 9H-FOM	EMB500	Luxwing	13
HB-IGV	Falcon 50EX	VF International		CS-LTJ	Ce680A	NetJets Europe	
OK-UGJ	Ce680	SmartWings		D-FALK	Ce208	Business Wings	11
OO-JOE	R44	J&G	tst	D-INOB	Ce525A	Atlas Air Service	
OY-RSE	PC-12/47E	Air Alsie	03	D-IPCH	Ce525A	Peter Cremer Holding	
PH-PXF	EC135P2+	Nationale Politie		OO-ACC	Ce525A	Air Service Liège	10
PH-WAM	CeT206H	AFOC Germany	03	OO-JOE	R44	J&G	
03. CS-CHG	CL-350	NetJets Europe		11. CS-LTE	Ce680A	NetJets Europe	
D-IAAB	EMB500	Arcus Air		D-CESA	Ce550 Bravo	Euro Link	
G-LUBB	Ce525	Surrey Heli Charters		G-AJHS	DH-82A	Flying Wires	18
N66RW	A75N1	B. Brackx	19	OK-HFH	PC-12/47E	T-Air	
OO-ACO	Ce510	Air Service Liège	17	OO-GEE	PC-12/47E	Pilatus Club One	
OO-MJM	SV-4E	J. de Naeyer	14	12. EI-KMA	CL-604	GainJet Ireland	f/v 16
OO-PCJ	PC-12/47E	EAPC		HB-IGV	Falcon 50EX	VF International	
OO-PCM	PC-12/47E	EAPC		OK-PCC	PC-12/47E	T-Air	13
OO-STR	AS350B3	Stephex Stables		OO-ACC	Ce525A	Air Service Liège	
04. LZ-FAB	ATR-42-300F	Fleet Air Bulgaria	f/v 06	OO-STR	AS350B3	Stephex Stables	
OO-PCI	PC-12/47E	EAPC		PH-TXA	Ce510	ASL	15
05. D-CFLY	Ce560XLS+	Air Hamburg	06	YU-BZZ	Ce550 Bravo	Air Pink	13
D-CTOR	EMB505	Luxaviation Germany	06	13. CS-DSE	BAe125-900XP	Executive Jet Management	f/v
I-GAUS	P68	AFOC Germany	10	CS-LAU	Ce680A	NetJets Europe	
OO-PCM	PC-12/47E	EAPC		M-INTY	G280	Hampshire Aviation	
OO-VMF	Ce560XLS+	Air Service Liège	2x	OO-PCJ	PC-12/47E	EAPC	
PH-TXA	Ce510	ASL	06	14. 9H-FOM	EMB500	Luxwing	
PH-VBG	Falcon 2000EX	JetNetherlands		D-CSCE	EMB505	Luxaviation Germany	15
06. 2-COOK	PA-46-500TP	William Cook Avn		N63DR	Kodiak 100	E. Rossillon	15
CS-LTG	Ce680A	NetJets Europe		OO-NEY	EMB545	Air Service Liège	
D-IEAH	Beech C90A	Fuchs & Partner		15. CS-CHI	CL-350	NetJets Europe	16
D-IIPN	PA-34-220T	P. Nagel	07	CS-LTJ	Ce680A	NetJets Europe	
F-GPJD	Beech E90	Arkata Aviation	07	OO-NEY	EMB545	Air Service Liège	19
G-BEDF	B-17G	B17 Preservation	f/v	PH-TXA	Ce510	ASL	16
G-BPIV	Bolingbroke Mk.IVT	Blenheim (Duxford)	f/v	16. F-HYPE	EC120B	C. de Wolf	17
OO-PCI	PC-12/47E	EAPC		HB-IGV	Falcon 50EX	VF International	
PH-MYX	Ce650	JetNetherlands		N3AD	SF-50	CD Aircraft	f/v
YU-SPC	Ce560XLS+	Prince Aviation		OO-ACC	Ce525A	Air Service Liège	17
07. FA124	F-16A	Belgian Air Force	f/v	OO-DTE	EC120B	Heliventure FTO	
FA72	F-16A	Belgian Air Force	f/v	OO-EYP	EC120B	Heli W.S.	
PH-OUQ	Spitfire LF.IXc	RNLAF Historic Flight	f/v	OO-STR	AS350B3	Stephex Stables	
PH-VBG	Falcon 2000EX	JetNetherlands		PH-TXA	Ce510	ASL	
08. M-ARTY	PC-12/47E	Creston (UK)		PP-WSR	G650	Aero Rio Taxi Aereo	f/v 17
OO-PCI	PC-12/47E	EAPC		17. CS-DQB	Ce560XLS	NetJets Europe	
OO-PCM	PC-12/47E	EAPC		D-FAST	Ce208	Business Wings	
				D-GHSB	PA-34-220T	MSR Flug Charter	f/v 18
				D-IRUP	Ce551	R+P Flugcharter	
				F-HAGH	Ce525	Aero Business Charter	

HB-IGV	Falcon 50EX	VF International		25. CS-PHB	EMB505	NetJets Europe	
OK-PCC	PC-12/47E	T-Air	18	D-IPVD	Ce525A	Transavia	
OO-ACC	Ce525A	Air Service Liège	18	G-LUBB	Ce525	Surrey Heli Charters	26
OO-GEE	PC-12/47E	Pilatus Club One		N6188	Falcon 7X	Geeco	f/v
OO-HCE	AS355N	Heli & Co		N676EE	EMB550	Embraer Executive Aircraft	f/v 2x
18. G12	MD900	Federale Politie		OK-HFH	PC-12/47E	T-Air	27
D-CAWU	Ce560XLS	Adolf Würth		OO-ACO	Ce510	Air Service Liège	26
D-CSEB	Ce560XLS+	Adolf Würth		PH-RVS	P68B	Slagboom en Peeters	tst
EI-LCM	TBM-850	Geo Power	19	26. CS-LTB	Ce680A	NetJets Europe	27
HB-IGV	Falcon 50EX	VF International		D-IFFF	CeF406	Air Taxi Europe	
M-PLUS	G650	Bluejet		N600J	G550	Johnson & Johnson	
OO-GEE	PC-12/47E	Pilatus Club One	19	OO-STR	AS350B3	Stephex Stables	
19. D-FAST	Ce208	Business Wings		PH-TXA	Ce510	ASL	27
ES-MCA	Ce510	Alarair	f/v 22	27. D-ICBA	Ce525A	Proair Aviation	
HB-IGV	Falcon 50EX	VF International		I-MOFI	Falcon 2000LX	Sirio	f/v
N233KC	Falcon 900	TWC Aviation		OE-GGM	Ce680A	Smartline Luftfahrt	f/v 29
OE-FXM	Ce525A	Speedwings		OO-ACC	Ce525A	Air Service Liège	29
OK-PCC	PC-12/47E	T-Air	20 2x	OO-GEE	PC-12/47E	Pilatus Club One	30 2x
OO-GEE	PC-12/47E	Pilatus Club One	20	OO-STR	AS350B3	Stephex Stables	
OO-PMV	R44	Take	20 2x	PH-RVS	P68B	Slagboom en Peeters	tst
VP-CNY	Global Express	Execujet Europe	f/v	PH-TXA	Ce510	ASL	28
20. CS-LTH	Ce680A	NetJets Europe	21	28. CS-DXO	Ce560XLS	NetJets Europe	
D-FABS	PC-12/47E	Schumacher Packaging		CS-PHN	EMB505	NetJets Europe	f/v 29
F-GPJD	Beech E90	Arkata Aviation	21	OO-JOE	R44	J&G	
F-HJCD	Falcon 2000LXS	J.C. Decaux		OO-STF	R44	STB Copter	
HB-IGV	Falcon 50EX	VF International		29. 9H-ILZ	CL-850	VistaJet Malta	30
HB-LUZ	P68C	Swiss Flight Services	21	D-IAAD	EMB500	Arcus Air	01
OO-ACO	Ce510	Air Service Liège	21	D-ICEE	Ce525	Spree Flug Luftfahrt	30
OO-HCE	AS355N	Heli & Co		D-IHUB	Ce525A	Sylt Air	30
OY-CKP	Beech B200	COWI	f/v 21	OO-PCM	PC-12/47E	EAPC	
PH-RVS	P68B	Slagboom en Peeters	01	30. D-ICBA	Ce525A	Proair Aviation	01
21. D-CTRI	Lj35A	Air Alliance		D-IPVD	Ce525A	Transavia	01
D-INOB	Ce525A	Atlas Air Service	22	OY-NBS	PC-12/47E	Air Bos	f/v
I-VICC	P68B	Aeronike	25	PH-MYX	Ce650	JetNetherlands	
OO-ACC	Ce525A	Air Service Liège	23	PH-RVS	P68B	Slagboom en Peeters	tst
OO-KNM	R44	Air Technology Belgium	24	PH-WIK	AS350B3	HeliAir	f/v
PH-LAW	CeT310R	AFOC Germany	22				
PH-RVS	P68B	Slagboom en Peeters	tst				
T7-FOZ	Ce525 (M2)	Open Sky Aviation					
22. F-HJCD	Falcon 2000LXS	J.C. Decaux					
F-HPDG	DA62	Palodim	f/v				
I-GAUS	P68	AFOC Germany	24				
I-VICC	P68B	Aeronike	tst				
M-GETS	PC-12/47E	3FS Aviation					
OK-PCC	PC-12/47E	T-Air	23				
PH-RVS	P68B	Slagboom en Peeters	tst				
23. D-AVIB	ERJ135BJ	Air Hamburg	f/v 24				
G-OOEG	CL-350	Catreus	f/v				
PH-MYX	Ce650	JetNetherlands	24				
PH-RVS	P68B	Slagboom en Peeters	tst				
24. D-CDAS	EMB505	DAS Private Jets					
F-HJCD	Falcon 2000LXS	J.C. Decaux					
HB-IGV	Falcon 50EX	VF International	25				
N363JR	PA-46-500TP	Devuma	dep				
OO-ACC	Ce525A	Air Service Liège	27				
OO-KNM	R44	Air Technology Belgium	27				
PH-LAW	CeT310R	AFOC Germany	27				
PH-RVS	P68B	Slagboom en Peeters	tst				
				01. 15+01	A319-115X	FBS BMVg	September 2019
				F-HEXR	Falcon 7X	Exair	arr
				F-HJLP	EMB550	Air TNB	
				LX-JFD	PC-12/47E	Jetfly Aviation	arr
				LY-BGS	B737-3L9	KlasJet	dep JAF0562
				OE-FFB	Ce510	GlobeAir	dep GAC309F
				OE-HMR	Falcon 2000LX	MHS Aviation	dep
				02. 01-0015	C-40B	1st AS	03 - /SAM843
				D-CDCM	Ce560XLS+	Air Hamburg	AHO469Z
				04. 01-0040	C-40B	1st AS	arr
				05. F-GZTS	B737-73V	ASL Airlines France	FPO83F/G
				PH-DWA	ERJ145LR	Air Charters Europe	JNL963/360
				06. 130615	C-130J	436sq	CFC4261

In the weekend of 7 and 8 September the liberation festival took place to commemorate the liberation from the German Armed Forces 75 years ago. Participants started to arrive already on the 6th.

Credits: ASA Belgium vzw, Luchtzak.be forum.

## Brussels



Based in Rio de Janeiro AeroRio Táxi Aéreo has a fleet of three bizjets, two helicopters and two turboprops. Gulfstream G650 PP-WSR was added to the fleet in August 2015. (Antwerp, 17 September 2019, Walter Van Brempt)



Airbus A330 CS-TQW had been on lease to Garuda Indonesian Airways since July 2019. On the day this photo was taken the aircraft returned home from its lease still with the Garuda titles. (Brussels, 17 September 2019, Steven Picalausa)

LX-JFG	PC-24	Jetfly Aviation	JFA53E/44C	OE-FWF	Ce510	GlobeAir	17 GAC548S/212E
PH-DWA	ERJ145LR	Air Charters Europe	07 JNL360/329	OO-JOS	B737-7K5	TUI Belgium	dep JAF412F
PR-ZIQ	ERJ195E2STD	Embraer	09	PH-GOV	B737-700	Government of the Netherlands	arr
07.B-8260	G550	Nanshan Jet	08	17.CC-2	C295M	TukiLLv	18 FNF323
D-AWUE	BAe146-200	WDL Aviation	ADR376/7	0062/F-RBAL	A400M	ET01.061	
D-CMHB	Do328-130	Rhein-Neckar Air		9H-JOY	CRJ200ER	Air X Charter	
OE-FIX	Ce525	Aeroways	dep	CS-TQW	A330-223	Hi Fly	23 HFY322P/311P
PH-DWA	ERJ145LR	Air Charters Europe	JNL329	F-HAOD	Falcon 900LX	Olivier Dassault	DSO180D
08.T.18-4/45-43	Falcon 900B	451 Esc	arr	HB-JIN	Falcon 900EX	Jet Avn Business Jets	
D-CFIV	Lj35A	Air Alliance	09 AYY118	HB-JRI	Global 5000	ExecuJet Europe	
D-CQAJ	Lj35A	Quick Air	arr	N2PG	G650ER	Procter & Gamble	dep
D-FHRG	PC-12/47E	Hahn Air		N40D	G650ER	DowDuPont	dep
EC-LRM	A320-232	Gowair (a/w)	RAM678/9	18.C-GDPG	Global 5000	Execaire	arr
LX-JFG	PC-24	Jetfly Aviation	09 JFA45B/30E	D-CQAJ	Lj35A	Quick Air	
09.77/XD	TBM-700A	ET00.043		D-IPCG	Ce425	PGS Holding	
ZE701	BAe146 CC2	32(TR)sq	dep	F-HAOD	Falcon 900LX	Olivier Dassault	20 DSO180D
F-HGLG	Lj75	Ixair		F-HFCS	BAe125-900XP	Valljet	
G-LEAX	Ce560XLS	Luxaviation UK	arr	LX-JFG	PC-24	Jetfly Aviation	JFA96F/97C
N533GV	G550	Netflix	arr	19.A6-BNC	B787-9	Ethihad Airways	f/v ETD57/8
N585DW	G550	Colleen Corp.	arr	EC-LRM	A320-232	Gowair (a/w)	JAF331P/1331
N839BA	B737-700	Boeing Business Jets	dep	EC-LRM	A320-232	Gowair (a/w)	JAF1332
OE-FZA	Ce510	GlobeAir	10 GAC171P/709U	LX-JFG	PC-24	Jetfly Aviation	JFA47G/48E
OE-GFC	IAI1125SPX	Tyrol Air Ambulance	arr	OE-FZC	Ce510	GlobeAir	20 GAC589L/478L
YU-SCJ	Ce525	Prince Aviation	PNC9CJ	20.D-ACJJ	ERJ190LR	WDL Aviation	ADR376/7/94/5
10.HB-JRI	Global 5000	ExecuJet Europe		D-CDCM	Ce560XLS+	Air Hamburg	AHO490J
11.MM62243	A319-112X	306 Gruppo TS	dep	N300JA	Global Express	JA Aviation	27
CS-CHF	CL-350	NetJets Europe	dep	21.CS-PHN	EMB505	NetJets Europe	NJE978M/995L
D-CQAA	Lj45	Quick Air	QAJ4270	D-CFAX	Lj60	FAI Rent-A-Jet	
D-IBFS	Beech C90GTx	Brose Fahrzeugteile		F-GLLM	Falcon 8X	Xstream	DSO18LM
LX-LAR	Lj45	Luxemb. Air Ambul.	LRQ600	22.OE-GDF	EMB505	Speedwings	SPG1
LX-ONE	Lj45	Luxemb. Air Ambul.	LRQ592	OY-GFS	Falcon 2000LXS	Air Alsie	arr
12.D-BEKY	Falcon 2000LX	BASF		23.CS-PHF	EMB505	NetJets Europe	NJE523D/906Y
F-HMAU	EMB500	Lei Moa	13	D-CDCM	Ce560XLS+	Air Hamburg	AHO465J/489L
PH-BBJ	Ce560XLS+	ASL	13	F-GZTS	B737-73V	ASL Airlines France	FPO81F/Z
YR-FKB	Fokker 100	Carpatair	14 KRP4035/2897	PH-NNX	Ce750	ASL	
13.D-ABEY	CL-605	ImperialJet Europe	arr	24.1122	Ce560	SMURD	arr
EC-LRM	A320-232	Gowair (a/w)	JAF251/2251	24.910502	C-26D	Sigonella AOD	25
OO-SFP	A330-343E	Eurowings	del	CS-PHF	EMB505	NetJets Europe	25 NJE967N/800T
14.D-AWUE	BAe146-200	WDL Aviation	ADR376/7	D-CEFO	Ce560XLS+	Air Hamburg	arr
LX-JFW	PC-12/47E	Jetfly Aviation		D-CQAA	Lj45	Quick Air	QAJ4820
LY-NVV	A320-232	SunExpress	SXS550/1	D-ISJP	Ce525A	Ohlair Charterflug	dep
N2PG	G650ER	Procter & Gamble	arr	G-JOTS	BAe146-RJ100	JOTA Aviation	25 AFR77BJ/9378
N604GF	CL-604	TVPX ARS	dep	I-PBRA	Falcon 50EX	Sirio	25 SIO505
15.0062/F-RBAL	A400M	ET01.061	CTM2030	M-MRBB	Lj45	Boultsbee Aviation	26
F-HCPE	P180	Pan Europeenne Air Service		N40D	G650ER	DowDuPont	dep
LX-JFY	PC-12/47E	Jetfly Aviation	arr	N585GS	G650	Solairus Aviation	dep
N604GF	CL-604	TVPX ARS	arr	OE-FAF	Ce525A	Smartline	
OE-FIT	Ce510	GlobeAir	arr	OE-HGP	G280	Alpine Flightservice	25 FSE1C
PH-BBJ	Ce560XLS+	ASL		OK-JRS	Ce680	Smartwings	25 TVS32J/27J
S5-AAR	A319-132	Adria Airways		OY-GFS	Falcon 2000LXS	Air Alsie	
YR-FKB	Fokker 100	Carpatair	KRP2898/4939	UR-UZF	An-26-100	Constanta (a/w)	UZA5649
16.CS-TFY	A320-232	Luxaviation Portugal	arr DRC001	25.D-AWUE	BAe146-200	WDL Aviation	HOP1724/5
D-BEKY	Falcon 2000LX	BASF		F-HMAU	EMB500	Lei Moa	
EC-LTF	Global 6000	Gestair	17 GES91F	HB-JUF	G650	Swiss Jet	SJT931/2

26.80-1111	B777-3SB(ER)	701 Hikotai	27 JF1
80-1112	B777-3SB(ER)	701 Hikotai	27 JF2
9A-CRO	CL-604	Government of Croatia	28
CS-PHM	EMB505	NetJets Europe	NJE419D/084D
D-BEKY	Falcon 2000LX	BASF	
D-BEKY	Falcon 2000LX	BASF	27
D-BOBI	Falcon 2000LX	BASF	
F-GLLM	Falcon 8X	Xstream	DSO18LM
F-GPNJ	Falcon 900EX	Luxaviation France	27 LEA500J
LX-SEB	Ce525B	Jetfly Aviation	
N113QS	Global 5000	NtJets	
OE-FAF	Ce525A	Smartline	
OE-FXM	Ce525A	Speedwings	
OH-WIC	CL-604	Jetflite	
SE-DZA	ERJ145EP	Amelia International	
VP-BIB	Ce525C	Omy Aviation	
VP-CLR	B737-7EM	LUK Aviation	
27.258	Lj45	MATS	dep IRL258
D-BEKY	Falcon 2000LX	BASF	
D-BOBI	Falcon 2000LX	BASF	
D-CAPO	Lj35A	Jet Executive Int'l	JEI454
D-CFTG	Lj35A	Quick Air	
D-CQAA	Lj45	Quick Air	QAJ4230
D-IAWG	Ce425	Aerowest	
G-LEGC	ERJ135BJ	Luxaviation UK	
HB-JUF	G650	Swiss Jet	SJT951/2
LX-JFB	PC-12/47E		
LX-LAA	Lj45	Luxemb. Air Ambul.	
M-AZIA	Ce525C	Mazia Investments	
N762MS	G650ER	Walmart	
OE-FXM	Ce525A	Speedwings	
OE-FXZ	Ce510	GlobeAir	GAC131K/L
OE-HRS	CL-350	Avcon Jet	AOJ78R
PH-HXG	B737-800	Transavia	TRA8006/0092
PH-MYX	Ce650	JetNetherlands	
SE-DZA	ERJ145EP	Amelia International	
28.9H-MPW	B737-484	Air Horizont	29 JAF272F/2751
D-CNUE	Lj60	FAI Rent-A-Jet	
G-TWOP	Ce525A	Centrelines	
SP-LIG	ERJ175LR	Government of Poland	arr
29.9H-MPW	B737-484	Air Horizont	JAF2752/2251
9H-MPW	B737-484	Air Horizont	30 JAF2252/1
9H-WFC	ERJ135BJ	Air X Charter	
D-CEFO	Ce560XLS+	Air Hamburg	arr
LX-JFZ	PC-12/47E	Jetfly Aviation	arr
LX-NMX	Ce525B	Jetfly Aviation	arr
N744C	Falcon 8X	Centrale North America	dep
OE-FLG	Ce525	Smartline	dep
OE-GKW	G100	Tyrol Air Ambulance	
SE-DZA	ERJ145EP	Amelia International	dep
30.9H-MPW	B737-484	Air Horizont	JAF2252/2181
EC-MFS	B737-4Y0	AlbaStar	LAV7758/936P
F-GZTS	B737-73V	ASL Airlines France	FPO82A/F
F-HMAU	EMB500	Lei Moa	01
OK-TVF	B737-8FH	Travel Service	TVS4340

On the 6th the new Embraer ERJ190 E-2 demonstrator arrived at the airport. On the 13th a former Lufthansa Airbus destined for Brussels Airways arrived at the airport in Eurowings colours. The TUI Belgium Boeing on the 16th was ferried to Tallin for end-of-lease maintenance. This aircraft will continue its career with GOL. The Hi Fly Airbus on the 17th returned from a lease to Garuda. The Antonov on the 24th operated a cargo charter. On the 30th Travel Service operated a military charter.

Credits: Luchtzak forum, planespotters@BRU Facebook group, Scramble forum.

### Kleine Brogel

		September 2019	
02.FA121	F-16AM	2w	*
05.CH11	C-130H	20sq (special c/s)	*
06.CH03	C-130H	20sq	*
SE-DXO	Sk37E	Swedish AF Historic Flight	
SE-DXB	J29F	Swedish AF Historic Flight	
N473DC	C-47A		07
09.SE-DXR	J35J	Swedish AF Historic Flight	
10.FA83	F-16AM	2w	*
FA84	F-16AM	2w	*
FA109	F-16AM	2w	*
RJF01	EA330LX	Royal Jordanian Falcons	
RJF02	EA330LX	Royal Jordanian Falcons	
RJF03	EA330LX	Royal Jordanian Falcons	
RJF04	EA330LX	Royal Jordanian Falcons	
11.H46	A109BA	17sq/1w	*
12.3H-FB	PC-7	LABt FläFlz	16
3H-FF	PC-7	LABt FläFlz	16
FA101	F-16AM	2w (demo c/s)	16
ST16	SF260M+	CC Air (Red Devils c/s)	16
ST22	SF260M+	CC Air (Red Devils c/s)	16
ST31	SF260M+	CC Air (Red Devils c/s)	16
ST34	SF260M+	CC Air (Red Devils c/s)	16
ST35	SF260M+	CC Air (Red Devils c/s)	16
ST43	SF260D	CC Air (special c/s)	16
B-538	C-130J-30	Esk 721	16
J-3081	F-5E	Patrouille Suisse	16
J-3082	F-5E	Patrouille Suisse	16
J-3084	F-5E	Patrouille Suisse	16
J-3085	F-5E	Patrouille Suisse	16
J-3087	F-5E	Patrouille Suisse	16
J-3090	F-5E	Patrouille Suisse	16
J-3091	F-5E	Patrouille Suisse	16
T-315	AS332M-1	nn	16
T-752	CL-604	LTDB	16
D-EXBE	EA330SC		
F-PFJP	Stolp SA-300		
G-CIBM	RV-8	Team Raven	16
G-CJSM	RV-8	Team Raven	16
G-EGRV	RV-8	Team Raven	16



This former Hapag-Lloyd Boeing 737 was added to the El Al fleet in November 2005. In February 2014 the aircraft was transferred to UP, the low-cost airline brand of El Al. In 2018 it was integrated into El Al again but 4X-EKO still wears the colours of the low cost airline but with El Al titles. (Brussels, 2 September 2019, Simon Camps)



HeliDax is a private company and was chosen by the French State to provide the flight hours required for basic and advanced helicopter pilot training of the French armed forces, the national Gendarmerie and the Belgian army in 2008. The company has a large fleet of EC120B helicopters. F-HBKN was added to the fleet in April 2010. (Kleine Brogel, 14 September 2019, Remco de Wit)

G-SOUT	RV-8	Team Raven	16	ES-YLI	L-39C	Breitling Jet Team	15
G-VFDS	RV-8	Team Raven	16	ES-YLN	L-39C	Breitling Jet Team	15
N13FY	AT-6A	Hanno Wesdorp		ES-YLP	L-39C	Breitling Jet Team	15
13.CH11	C-130H	20sq (special c/s)	15	ES-YLR	L-39C	Breitling Jet Team	15
FA57	F-16AM	2w (special c/s)	16	ES-YLX	L-39C	Breitling Jet Team	15
FA89	F-16AM	2w		F-HBKN	EC120B	HeliDax	16
H29	A109BA	17sq/1w (demo c/s)	16	OO-HUR	Hurricane Mk4	Salphen	15
054	PC-9M	EA	16	OO-TTD	AS350BA	Degroote Trucks & Trailers	
057	PC-9M	EA	16	PH-OUQ	Spitfire LF9C	SKHV	*
059	PC-9M	EA	16	15. F-HBKL	EC120B	HeliDax	16
061	PC-9M	EA	16	16.ST41	SF260D	CC Air (grey c/s)	
064	PC-9M	EA	16	T-751	CL-604	LTDB	
068	PC-9M	EA	16	17.CH01	C-130H	20sq	
069	PC-9M	EA	16	CH03	C-130H	20sq	
223	Mi-171Sh	EVH	16	FA57	F-16AM	2w (special c/s)	*
E33/705-FJ	Alpha Jet E	EAC00.314 (special c/s)	16	H24	A109BA	17sq (special c/s)	*
E114/705-RR	Alpha Jet E	EAC00.314 (special c/s)	16	ST41	SF260D	CC Air (grey c/s)	*
31+06	EF2000	TLG31	16	19.CH03	C-130H	20sq	
43+50	Tornado IDS	TLG33	16	RA-30078	An-30B	Open Skies/Russian AF	*
79+19	NH90-TTH	IHAZ	16	20.ST43	SF260D	CC Air (grey c/s)	*
82+63	EC135T1	IHAZ	16	23.CE03	ERJ145LR	21sq	*
509	F-16C	343 Mira	16	24.ST41	SF260D	CC Air (grey c/s)	*
535	F-16C	340 Mira	16	10-0218	C-17A	62nd AW	25
053	Falcon 20ECM	FEKS/717 skv	16	25.CH09	C-130H	20sq	*
675	F-16AM	331 skv	16	26.CH03	C-130H	20sq	
691	F-16BM	331 skv (special c/s)	16	CH04	C-130H	20sq	*
LX-N90456	E-3A	NAEW&CF	*	ST42	SF260D	CC Air (grey c/s)	*
39 bl	Su-27P1M	831 BrTA	16	27.CH04	C-130H	20sq	*
76683	Il-76MD	25 TrAB	16	CH09	C-130H	20sq	*
ZZ517	Wildcat HMA2	825sq	15	ST42	SF260D	CC Air (grey c/s)	*
60-0041/BD	B-52H	93rd BS	*	30.OO-KTN	A109S	General Services Antwerp	
12-0064	CV-22B	7th SOS	15				
G-BEDF	B-17G	B-17 Preservation	15				
G-SPRK	RV-4	Jack Aviation Ltd	15				
G-SPRX	RV-4	Jack Aviation Ltd	15				
OO-EBU	PA-28-161	The Victors	15				
OO-SDJ	EA330SC						
OO-VCU	PA-28-161	The Victors	15				
OO-VMC	PA-28-161	The Victors	15				
OO-VMY	PA-28-161	The Victors	15				
OO-RYL	TF-51D		15				
OO-XVI	Spitfire LF16E	Vintage Fighter Aircraft	15				
OY-JEV	Ce550	Weibel Scientific	15				
SE-DXB	J29F	Swedish AF Historic Flight					
SE-DXO	Sk37E	Swedish AF Historic Flight	15				
SE-DXR	J35J	Swedish AF Historic Flight					
14.CH03	C-130H	20sq	*				
ES-YLF	L-39C	Breitling Jet Team	15				

September was mainly dominated by traffic for the annual Sanicole Airshow. The Swedish Air Force Historic Flight visited Kleine Brogel already on the 6th for refuelling on their way to the UK. The same day a Dakota also arrived at the base, doing some paradroppings at nearby Meeuwen (near Pampa Range) the next day. First arrivals for the Sanicole Airshow happened on the 10th, but the main party arrived from the 12th onwards. The Swedish Tunnan and Draken on the 13th used the base for a fuel stop on their way home from Jersey airshow (UK). The B-52 and AWACS were in a holding pattern overhead the base for participating in the Sanicole Sunset Airshow. The Russian Antonov crossed the base from south to north while on a Open Skies mission. The month closed with a very colourful Belgian civil registered Agusta.

Credits: Toon Cox, Jos Geunens, Quinn Loots.

## Koksijde

September 2019			
02.FA124	F-16AM	10w (D-Day mks)	*
FB18	F-16BM	2w	*
FB22	F-16BM	2w	*
H46	A109BA	17sq/1w	*
03.FA84	F-16AM	2w	*
04.272	B-Hunter	80UAVsq	*
274	B-Hunter	80UAVsq	*
05.RN08	NH90-TTH	18sq/1w	*
06.FA97	F-16AM	2w	*
FB14	F-16BM	10w/OCU	*
FB20	F-16BM	10w/OCU	*
FB22	F-16BM	2w	*
ST43	SF260D	CC Air	2x *
09-05582	AH-64D	1-3rd AVN	*
13-08132	CH-47F	1-214th AVN	*
10.FA68	F-16AM	2w	2x *
ST42	SF260D	CC Air (grey c/s, spec mks)	2x *
272	B-Hunter	80UAVsq	*
273	B-Hunter	80UAVsq	*
G10	MD902	Federal Police	*
12.FB15	F-16BM	10w/OCU	*
FB24	F-16BM	10w/OCU (spec mks)	*
272	B-Hunter	80UAVsq	*
G10	MD902	Federal Police	*
G14	MD902	Federal Police	*
G15	MD902	Federal Police	*
13.FA124	F-16AM	10w (D-day mks)	3x *
ZZ517	Wildcat HMA.2	825NAS	*
14.09-05582	AH-64D	1-3rd AVN	*
13-08132	CH-47F	1-214th AVN	*
15.ZZ517	Wildcat HMA.2	825NAS	*
16.CH09	C-130H	20sq	2x *
H46	A109BA	17sq/1w	*
17.FB22	F-16BM	2w	2x *
272	B-Hunter	80UAVsq	*
18.FB24	F-16BM	10w/OCU (spec mks)	*
272	B-Hunter	80UAVsq	*
19.1x	Apache AH.1	3Regt	2x *
1x	Wildcat AH.1	1Regt	2x *
272	B-Hunter	80UAVsq	*
ZJ184	Apache AH.1	3Regt	2x *
ZJ191	Apache AH.1	3Regt	2x *
ZJ192	Apache AH.1	3Regt	2x *
20.272	B-Hunter	80UAVsq	*
21.4x	Apache AH.1	3Regt	2x *
ZJ179	Apache AH.1	3Regt	2x *
ZJ191	Apache AH.1	3Regt	2x *
ZJ193	Apache AH.1	3Regt	2x *
ZJ221	Apache AH.1	3Regt	2x *
ZZ353	Wildcat AH.1	1Regt	2x *
ZZ407	Wildcat AH.1	1Regt	2x *
23.273	B-Hunter	80UAVsq	*
L-04	PC-7	131EMV0sq	2x *
24.6x	Apache AH.1	3Regt	*
FB15	F-16BM	10w/OCU	2x *

ZJ179	Apache AH.1	3Regt	*
ZJ211	Apache AH.1	3Regt	*
ZZ383	Wildcat AH.1	1Regt	*
ZZ406	Wildcat AH.1	1Regt	2x *
25.1x	SF260D	CC Air	*
ST46	SF260D	CC Air	2x *
ZZ383	Wildcat AH.1	1Regt	*
ZZ405	Wildcat AH.1	1Regt	2x *
ZZ406	Wildcat AH.1	1Regt	2x *
ZZ407	Wildcat AH.1	1Regt	*
26.278	AW139	301sq	*
GZ100	AW109SP	32(TR)sq	2x *
27.FA57	F-16AM	2w (D-Day mks)	2x *
30.1x	B-Hunter	80UAVsq	*
FA114	F-16AM	10w	*2x

The US Army Apache and Chinook were heading for RAF Northolt on 6 September, returning for Charleroi three days later. The Royal Navy Wildcat was participating in the Sani-cole show, refuelling on her way in and heading back towards Ostend. From 19 September the Army Air Corps invasion started with various Apaches and Wildcats heading for Chievres and some heading back to the UK as well, overshooting Koksijde. The Irish AW139 on 26 September was heading towards Liege and the RAF AW109SP went towards Brussels and back to the UK.

Credits: Wim Houquet, Mike Derijcke, Filip Candaele, Christopher Noens, Niels De Ruyck, Ruben Theuninck, Kenny Plaevoet, Davy Lucidarme.

## Liège

September 2019			
01.9A-JSD	Ce525A	Jung Sky	02 JSY017D/8D
9H-ILB	CL-850	VistaJet Malta	
C-GLXM	Global XRS	Skyservice Business Aviation	dep
CS-DOF	CL-650	Jetcapital Aviation	dep
CS-DVS	EMB500	Valair	
CS-DXJ	Ce560XLS	NetJets Europe	
CS-EJA	Ce560XLS	EJME (Portugal)	
CS-LTG	Ce680A	NetJets Europe	arr
D-AVIB	ERJ135BJ	Air Hamburg	AHO363K
D-CAWB	Ce680	Aerowest	
D-CAWR	Ce560 Encore+	Aerowest	arr
D-CFHZ	EMB505	DAS Privat Jets	
D-IANA	Beech B200	Euro Link	
D-IJLJ	Ce525	Cessna Düsseldorf CSC	dep
D-IJOA	Ce525A	Excellent Air	
D-IPCG	Ce425	PGS Holding	arr
EC-LRM	A320-232	Gowair (a/w)	JAF7351/2
EC-NCJ	Ce560XLS+	Miguel Larranaga	dep
F-GMBL	AS355N	Helifirst	arr
G-OFOM	BAe146-100	Formula 1 - Flight Operations	FOR1
G-SONE	Ce525A	Centreline	dep
G-STWB	BAe125-750	Inuit Holdings	
M-INSK	G650	Skyfort Aviation	arr
N18LS	CL-604	The Whitewind Co.	dep
N711LS	Global 6000	The Whitewind Co.	dep



This SAAB Draken J35J previously served in the Swedish Air Force with serial 35556 and code 56. The jet is being operated by the Swedish Air Force Historic Flight registered as SE-DXR since early 2017. (Kleine Brogel, 13 September 2019, Toon Cox)



Previously with Japan Air System this Airbus A300 was converted to freighter in 2011. It was delivered to EAT Leipzig in DHL colours in October 2012. Since April 2019 the aircraft sports additional Brian Adams decals. During the 'Shine A Light Tour 2019' DHL will take care of all transport for Mr. Adams and his band. EAT Leipzig is the trading name of European Air Transport Leipzig. (Brussels, 25 September 2019, Eric Vangeel)

N878SC	Global 6000	The Whitewind Co.	dep	OO-HHO	Falcon 8X	Luxaviation Belgium	dep
OE-FZB	Ce510	GlobeAir	GAC982F/871G	PH-DWA	ERJ145LR	Air Charters Europe	25 JNL25/370
OE-GDF	EMB505	Speedwings	SPG957/944	SE-DZA	ERJ145EP	Amelia International	arr
OE-HPG	CL-300	Laudamotion Executive	dep LDX7C	23.PH-CJM	Ce680	ASL	
OH-TRG	PC-12/47E	Hendell Aviation	dep	24.84-0126	C-21A	76th AS	
OK-OWN	ERJ135BJ	ABS Jets	ABP821/2	EC-MPN	Ce525	Air Taxi & Charter International	
OK-PPP	Beech 400XTi	Time Air		G-FXRS	Nextant 400XT	Flairjet	
OO-HCA	R44	Heli & Co		26.278	AW139	301sq	arr IRL278
OO-HSA	AS355N	Heli Service Belgium		CS-DLN	Falcon 2000EX	NetJets Europe	NJE331E/9XC
OO-MAP	PC-24	European Aircraft Private Club		CS-LTH	Ce680A	NetJets Europe	NJE172K/39Q
OO-PMV	R44	TAKE		D-CDCM	Ce560XLS+	Air Hamburg	AHO555/475A
OO-WGW	AS350B3	Heli & Co		D-CFIV	Lj35A	Air Alliance	AYY118
OY-CLZ	ATR72-212A	Alsie Express	MMD6007/116	N999HZ	G550	Cloud Skipper	arr
OY-NCM	Do328-310	Sun-Air (BAW c/s)		PH-DWS	ERJ135LR	Air Charters Europe	27 JNL485/143
PH-SHO	EC155B1	Heli HollandOffshore		SP-AST	Ce525	AMC Aviation	AMQ9T
PH-WTG	EC135P2+	HeliCentre		UR-CKM	An-12BP	Cavok Air	27 CVK7051/2
SP-KPG	Saab 340A	SprintAir	dep	27.9H-FOM	EMB500	Luxwing	28 2x LWG501
SP-SPE	ATR72-202	SprintAir	arr	F-HLRY	EMB500	Mustang	
YR-TYA	Ce560XLS+	Toyo Aviation		LX-JFS	PC-12/47E	Jetfly Aviation	
YU-SCJ	Ce525	Prince Aviation	PNC9CJ	T7-FOZ	Ce525 (M2)	Eagle Express	29 EES100
02.3A-MSR	Ce525	Aviarent		28.G-SONE	Ce525A	Centreline	
CS-DFK	Falcon 2000EX	NetJets Europe		OE-FPP	Ce510	GlobeAir	29 GAC701L/690L
F-GZTB	B737-33VQC	ASL Airlines France	arr FPO849F	PH-TXA	Ce510	JetNetherlands	29
G-OFOM	BAe146-100	Formula 1 - Flight Operations	FOR1	SE-RFL	Ce680	European Flight Service	dep
N503Q	Falcon 900LX	ATT Management Services	dep	29.9H-VCK	CL-350	VistaJet Malta	30 VJT405
PH-DWA	ERJ145LR	Air Charters Europe	03 JNL23/963	CS-LTE	Ce680A	NetJets Europe	NJE309K/086U
T7-LSS	AW139	Lions Air Group		D-CASH	EMB505	Air Hamburg	AHO494D
04.CS-DVS	EMB500	Valair		LX-JFD	PC-12/47E	Jetfly Aviation	dep
G-OFOM	BAe146-100	Formula 1 - Flight Operations	FOR1	LX-JFS	PC-12/47E	Jetfly Aviation	
06.LY-KLJ	B737-524	KlasJet	KLJ1008/9	OO-PKX	Ce750	Air Service Liège	30
08.CS-DXG	Ce560XLS	NetJets Europe	arr	30.ZE708	BAe146 C3	32(TR)sq	
LY-KLJ	B737-524	KlasJet	10 KLJ1010/1	D-CHIC	EMB505	Air Hamburg	AHO283F/264L
11.F-GGGA	Ce550	Valljet		D-IAAY	EMB500	Arcus Air	
PH-DEZ	Ce501	F.G. Hilgeman		N280EX	G280	Flying Group	arr
12.CS-LTL	Ce680A	NetJets Europe	NJE5DY/522D	N474CG	SF-50	I-Fly	
EC-LBB	G200	Mercadona		SP-ENG	B737-8CX	Enter Air	01 ENT58AN/51BC
14.EC-LRM	A320-232	Gowair (a/w)	JAF2252/252F	UR-CNT	An-12BK	Cargo Air Chartering	dep
N111QS	Global 5000	NetJets	15				
OE-FZC	Ce510	GlobeAir	GAC741Q/R				
15.LX-PPF	Ce525B	Flying Group	FYL41F/2F				
OK-PPP	Beech 400XTi	Time Air	dep TIE690P				
OO-KOR	Ce525A	Luxaviation Belgium	dep				
OO-WEG	CL-350	Luxaviation Belgium	arr AAB926				
17.OK-PPP	Beech 400XTi	Time Air					
18.CS-EJA	Ce560XLS	EJME (Portugal)					
G-ZNTH	Lj75	Zenith Aviation	19 BZE7B/A				
YR-FKA	Fokker 100	Carpatair	arr KRP3046				
19.G-ZNTH	Lj75	Zenith Aviation	20 BZE7B/A				
OO-PCK	PC-12/47E	European Aircraft Private Club	20				
SE-MAO	ATP/F	West Air Sweden	arr SWN900				
20.79-1711	KC-10A	305th AMW	div 24 RCH607				
G-ZNTH	Lj75	Zenith Aviation	22 BZE7B/A				
21.OK-PPP	Beech 400XTi	Time Air	arr				
22.D-ABEY	CL-605	Jetair Flug	dep				
G-KLNE	BAe125-900XP	Saxonair	24 SXN90E				
				02.9H-JDV	Ce525 (M2)	Nextgen Aviation (Malta)	dep

The month started on day 1 with lots of traffic, mostly related to the races at Spa-Francorchamps. The KC-10 on the 20th diverted with a technical issue. It took some days to fix this old lady. The Irish helicopter on the 26th visited the local Leonardo facility.

Credits: Luchtzak.be forum, flymst.nl forum, flightaware.com.

### Ostend-Bruges

September 2019

01.M-ARTY	PC-12/47E	Creston (UK)	
N33VM	PA-46-350P	Eagle Alegria Aviation	arr
N359ST	PC-12/47E		
OO-CFW	PC-12/47E	Nextgen Aviation	dep
PH-WAM	CeT206H		arr
YU-SCJ	Ce525	Prince Aviation	dep PNC9CJ
02.9H-JDV	Ce525 (M2)	Nextgen Aviation (Malta)	dep

OE-FWF	Ce510	GlobeAir	03 GAC504S/493T	N40D	G650ER	DowDuPont	25
OO-JWB	PC-12/47E	Nextgen Aviation		OO-JWB	PC-12/47E	Nextgen Aviation	
PH-NNX	Ce750	JetNetherlands	05	25.65/F-Y5BA	EMB121AN	28F	FNY5021/4
03.D-ASBG	Falcon 900EX	Airservice Bremgarten		EC-GXJ	SA226TC	Flightline	FTL422/431
ER-JAI	B747-412(F)	Aerotrans Cargo	04 ATG4432/33	N1184G	Beech B350i	Royal Thai Police	f/v
OE-FWF	Ce510	GlobeAir	04 GAC493U/894W	N1186K	Beech B350i	Royal Thai Police	f/v
05.9H-JDV	Ce525(M2)	Nextgen Aviation	08	26.M-CLAB	CL-300	Shamrock Trading	
OO-JCV	PC-12/47E	Nextgen Aviation	06	OO-ACO	Ce510	Air Service Liège	
OO-SCV	SV-4B		arr	27.FA57	F-16AM	2w (D-Day mks)	*
06.EC-KBP	Ce560XLS	Excelair		EC-GXJ	SA226TC	Flightline	FTL452
G-BEDF	B-17G	B-17 Preservation	*	HA-KAR	Ce525	Jetstream Air	
HA-TAD	Saab 340A(F)	Fleet Air International	11 FRF201/00	OE-GDF	EMB505	Speedwings Executive Jet	SPG939
OO-JCV	PC-12/47E	Nextgen Aviation		PH-NNX	Ce750	JetNetherlands	
07.G-XXEC	S-76C++	The Queens Helicopter Flight		28.D-ASBG	Falcon 900EX	Airservice Bremgarten	
08.CE03	ERJ145LR	21sq	BAF614	D-CFHZ	EMB505	DAS Private Jets	
D-ASBG	Falcon 900EX	Airservice Bremgarten		OO-CFW	PC-12/47E	Nextgen Aviation	
09.M-CLAB	CL-300	Shamrock Trading		29.9H-JDV	Ce525 (M2)	Nextgen Aviation Malta	arr
PH-NNX	Ce750	JetNetherlands	12	D-CDAS	EMB505	DAS Private Jets	30
UR-CEZ	An-12BK	Cavok Air	10 CVK7061/2	N707SN	SF50		
10.ER-JAI	B747-412(F)	Aerotrans Cargo	11 ATG4439/40	OE-FZD	Ce510	GlobeAir	GAC360P
ES-NSA	Saab 340B(F)	NyxAir	18 NYX106C/107P	OE-GDF	EMB505	Speedwings Executive Jet	SPG939
SP-MRB	Saab 340A(F)	Sky Taxi	IGA575/6	OO-CFW	PC-12/47E	Nextgen Aviation	arr
12.N50G	SF50	Progress Solution		RA-82077	An-124-100	Volga-Dnepr	arr VDA2251
OO-CFW	PC-12/47E	Nextgen Aviation		30.D-ISAR	Raytheon 390	Euroflug Frenzel	
OO-GEE	PC-12/47E	Blue Sky Aviation	arr	N165SL	P180	AGTC	arr
SE-MHU	Beech 1900C	Hummingbird Aviation	ETI81U/82U	OO-SNK	A320-214	Brussels Airlines	BEL9933/1063
13.N165SL	P180	AGTC		SP-ENV	B737-8BK	Enter Air	01 ENT58RN/52FK
OO-CFW	PC-12/47E	Nextgen Aviation					
14.N356CS	Beech B200GT	Bellary Iron Ores		<u>EgyptAir Cargo:</u>			
15.ZZ517	Wildcat HMA.2	825NAS	Navy703	SU-GCE	02,09,12,16,23,26,30		
9H-VCF	CL-350	VistaJet Malta	16 VJT486	SU-GCJ	05		
16.9H-VCB	CL-350	VistaJet Malta	VJT453				
OO-ACC	Ce525A	Air Service Liège		<u>TUI Belgium:</u>			
PH-NNX	Ce750	JetNetherlands	19 2x	OO-JAF	22,22 <sup>2</sup> ,28, 29, 30	OO-JOS	02, 02 <sup>2</sup> , 03, 04 <sup>2</sup>
17.EC-JIP	SA226TC	Flightline	FTL512/513	OO-JAR	06-27 daily,29, 30	OO-JVA	28
OO-JWB	PC-12/47E	Nextgen Aviation	18	OO-JAU	04	OO-TEA	16, 30
TC-JOB	A330-303	Turkish Airlines	f/v THY3341/2	OO-JAV	28, 29	OO-TNB	21-29 daily
18.EC-GJM	SA227BC	Flightline	19 FTL922/741	OO-JAY	08 <sup>2</sup> , 09 <sup>2</sup>	OO-TUK	01-14 daily
ER-JAI	B747-412(F)	Aerotrans Cargo	ATG4462/3	OO-JEB	02, 09	OO-TUV	01, 02, 04 - 07, 22-30 daily
F-HRGD	ERJ145LU	Amelia International	AEH141/ -	OO-JEM	23	OO-TUX	07, 08, 14-21 daily
N300BC	CL-300	CBI EFI		OO-JLO	01, 02, 10-22 daily		
TC-JOJ	A330-303	Turkish Airlines	19 THY3341/2				
19.M-GETS	PC-12/47E	3FS Aviation					
OO-JWB	PC-12/47E	Nextgen Aviation					
21.D-ASBG	Falcon 900EX	Airservice Bremgarten					
OO-NLT	PC-12/47E	Aercon					
23.EJ-CORE	ERJ135BJ	GainJet Ireland	24 -/GJ165R				
VP-BZE	Falcon 7X	CJS Corporate Jet Service	26				
24.D-CAWK	Ce680A	Aerowest					
D-FAST	Ce208	Businesswings	JMP321				

EgyptAir Cargo:

SU-GCE 02,09,12,16,23,26,30  
SU-GCJ 05

TUI Belgium:

OO-JAF 22,22<sup>2</sup>,28, 29, 30  
OO-JAR 06-27 daily,29, 30  
OO-JAU 04  
OO-JAV 28, 29  
OO-JAY 08<sup>2</sup>, 09<sup>2</sup>  
OO-JEB 02, 09  
OO-JEM 23  
OO-JLO 01, 02, 10-22 daily

OO-JOS 02, 02<sup>2</sup>, 03, 04<sup>2</sup>  
OO-JVA 28  
OO-TEA 16, 30  
OO-TNB 21-29 daily  
OO-TUK 01-14 daily  
OO-TUV 01, 02, 04 - 07, 22-30 daily  
OO-TUX 07, 08, 14-21 daily

The Turkish Airlines A330s on 17 and 18 September were related to Club Brugge receiving Galatasaray. Two American Beech 350s were noted on 25 September, heading for Thailand on delivery. One day later a Florennes based F-16AM made a low pass over Ostend Airport, after visiting Koksijde and this example was wearing the D-Day markings. On the last day a Brussels Airlines A320 carried Club Brugge towards Madrid for their match against Real Madrid.

Credits: Replo.be. Nik Deblauwe, Andre Deblauwe.



Two Beech 350 aircraft departed the factory in Wichita (KS) on 5 September 2019, of which N1186K was one. Both made a fuel stop at Ostend on 25 September 2019 and continued their delivery flight to the Thai Police until they arrived at Don Muang airport on 8 October 2019. (Ostend, 25 September 2019, Nik Deblauwe)

# Paramaribo-Zanderij 2019 - Part 3



This former Braathens Boeing 737 is the second aircraft with registration C6-BFC. It was added to the Bahamasair fleet in February 2014. Besides the Boeing 737 the airline also operates ATR42 and ATR72 aircraft. (Paramaribo, 20 August 2019, Andrew Muller)

## Johan Adolf Pengel (Paramaribo, Surinam)

July 2019			
01. YV613T	B737-4S3	Turpial Airlines	15
04. N441VA	R44	Vortex Aviation	05
	PZ-TBH	Ce208B	
05. HK-4637	B727-2S2(F)	Lineas Aéreas Suramericanas	06
06. HP-1375CMP	B737-7V3	COPA Airlines	f/v
08. N109PY	AW109SP		09
	PZ-HDF	R44	
09. FAB-001	Falcon 900EX	Pegasus Air Services	
10. HP-1372CMP	B737-7V3	Escuadrón de Ejecutivos	10
11. PZ-TBY	DHC-6-310	COPA Airlines	f/v
12. 129/62-IL	CN235M-200	Gum Air	
13. HP-1372CMP	B737-7V3	ET01.062	
14. PJ-JAC	Fokker 70	COPA Airlines	
15. PJ-JAC	Fokker 70	JetAir Caribbean	tst
	PZ-HDF	R44	tst
16. YV622T	B737-4H6	Pegasus Air Services	
17. HP-1372CMP	B737-7V3	Turpial Airlines	28
19. YV3380	Beech 400A	COPA Airlines	
20. HP-1371CMP	B737-7V3	COPA Airlines	f/v
22. YV3381	Beech 400A		
24. 1x	C-146A	524th SOS	
	HP-1371CMP	B737-7V3	
	PZ-HCK	BK117	
	PZ-HDF	R44	
	PZ-HGA	R44	
25. N26WC	R44	Florida Suncoast Helicopters	26
	PZ-HDF	R44	
	PZ-TBN	DHC-6-310	
26. N171JC	G-IVSP	Gum Air	
	RA-96014	G-IVSP	
	XA-SSE	Global Air Charters	
		Rossiya	27 RSD8
27. HP-1531CMP	B737-7V3	Servicio Superior Ejecutivo	27
28. YV613T	B737-4S3	COPA Airlines	f/v
29. 8R-EAR	Beech 1900D	Turpial Airlines	31
	F-GZSD	Trans Guyana Airways	
	HI999	Helicojyp	
	HI1040	ACSA - Air Century	31
30. HI1024	ERJ145MP	Helidosa	
	PP-LAA	Sky High Aviation Services	
31. HP-1374CMP	B737-7V3	Dario Sanches Manha	
	N525QS	COPA Airlines	f/v
		NetJets	

Amerijet International:  
N319CM 19, 26

ATI:  
N739AX 02, 03

Caribbean Airlines:  
9Y-ANU 04, 06, 16

9Y-BGI 09  
9Y-JME 20, 25, 27, 30  
9Y-JMF 18, 23

GOL:  
PR-GGJ 24  
PR-GGM 13  
PR-GGO 06, 27  
PR-GGP 03

Northern Air Cargo:  
N347CM 12  
N379CX 16, 24, 30

StratAir:  
N351CM 09, 10, 17, 23, 30

TUI Netherlands:  
PH-TFK 08, 29  
PH-TFM 01, 15, 22

FlyAllways used two B737s this month from Turpial for their flights to Cuba. The month in general was quite good, with some special visitors. This month COPA began a new service to Panama with Boeing 737 equipment. On the 5th a rarely seen LAS B727 operated to and from Bogota for Amerijet. The helicopter on the 8th was on its way to Brazil for a new operator. The Bolivian president Morales visited on the 9th before continuing to Russia. On the 14th and 15th JetAir operated some training flights. The Venezuelan Beech on the 19th operated a flight to Caracas for the Surinamese minister of foreign affairs. The return flight on the 22nd was with a different aircraft. The US-registered helicopter on the 22nd was on its way to Brazil for a new operator. The USAF Dornier on the 24th has remained a mystery. From the 26th it really got going with a Russian state visit and other big bizjets. The Saab 340 brought the Haitian soccer team.

August 2019

01. 8R-EAR	Beech 1900D	Trans Guyana Airways	
	HI999	Saab 340B	ACSA
	YV613T	B737-4S3	Turpial Airlines tdy 11
	YV622T	B737-4H6	Turpial Airlines
02. HK-4891	Lj31A		Fund. Cardiovascular de Colombia
04. YV2565	Lj45XR		Petróleos de Venezuela
05. 8R-EAR	Beech 1900D		Trans Guyana Airways
	N504AC	G550	Cottonwood Aviation 08
	YV3001	B737-5L9	Albatros Airlines 06
07. F-OPCD	AS350B3		Helicojyp
	HK-4891	Lj31A	Fund. Cardiovascular de Colombia
	YV3267	Ce650	
10. 8R-GAQ	Beech 1900D		Trans Guyana Airways
	PZ-HDF	R44	Pegasus Air Services
11. EC-LGV	Falcon 2000LX		Gestair 12 GES401V
	UR-CAH	An-12BK	Ukraine Air Alliance 20



Delivered to Italian company Benetton in 1986 this Cessna 650 ended up in Venezuela in June 2016. The operator is not known, so if you have more information we would like to hear from you. (Paramaribo, 7 August 2019, Raoul de Miranda)

YV2565	Lj45XR	Petróleos de Venezuela		29.PZ-TBH	Ce208B	Gum Air	
YV622T	B737-4H6	Turpial Airlines	tdy 31	PZ-TBT	Ce208B	Gum Air	
12.C6-BFC	B737-505	Bahamasair	f/v 13 BHS905/ -	30.F-GZSD	AS350B1	Helicojyp	
13.F-GZSD	AS350B1	Helicojyp		31.8R-EAR	Beech 1900D	Trans Guyana Airways	
PZ-TBN	DHC-6-310	Gum Air		<u>Amerijet International:</u>			
PZ-TSL	Ce208B	Blue Wings	div	N378CX	23	N396CM	02, 09, 16
14.8R-GRF	BN-2A/III-2	Roraima Airways		<u>Caribbean Airlines:</u>			
15.8R-GRD	BN-2A/III-2	Roraima Airways		9Y-BGI	06, 10	9Y-JMF	03, 20
N512JN	MD-11F	Western Global (a/w)	WGN819/20	9Y-JMC	08, 27	9Y-MBJ	17, 24
PZ-HDF	R44	Pegasus Air Services		9Y-JMD	15, 22	9Y-SXM	01, 31
16.11-3031	C-146A	524th SOS		9Y-JME	13, 29		
17.PZ-TBH	Ce208B	Gum Air		<u>COPA Airlines:</u>			
18.8R-GRD	BN-2A/III-2	Roraima Airways		HP-1715CMP		03, 10	HP-1824CMP 24
8R-GRF	BN-2A/III-2	Roraima Airways		HP-1721CMP		07	HP-1832CMP 17
19.C6-BFC	B737-505	Bahamasair	20 BHS907/ -	HP-1727CMP		28	HP-1850CMP 21
20.PZ-TBY	DHC-6-310	Gum Air		HP-1822CMP		31	HP-1852CMP 14
21.8R-GAE	Ce208B	Trans Guyana Airways		<u>GOL:</u>			
F-OPCD	AS350B3	Helicojyp		PR-GED	03	PR-GUX	14
PZ-PBD	Ce206	Gum Air		PR-GEK	17	PR-GYD	28
22.A7-BFB	B777-FDZ	Qatar Airways	f/v QTR8157	PR-GGN	01	PR-VBH	24
PZ-NAU	Ce206	MAF Suriname		PR-GUB	21	PR-VBN	10
PZ-TBH	Ce208B	Gum Air		PR-GUT	07		
23.HI1007	Beech 1900D	Sky High Aviation		<u>Northern Air Cargo:</u>			
HI1040	G-IVSP	Helidosa	25	N379CX	06, 13, 20, 27		
25.HI1050	G-IVSP	Helidosa		<u>StratAir:</u>			
PZ-HCK	BK117	United Aviation Services		N347CM	30	N351CM	07, 21, 28
PZ-HDF	R44	Pegasus Air Services					
26.PR-CSC	Beech 58	Porto Seg. Inc. de empr. imobiliários					



Although officially manufactured in June 2004 this aircraft was already first reported in June 1995. The Ilyushin was delivered to KrasAir in late June 2004 as RA-96014. The airlines operators certificate was revoked in November 2008. In the summer of 2012 the Il-96-300 was handed over to Rossiya again registered as RA-96014. (Paramaribo, 27 July 2019, Andrew Muller)

TUI Netherlands:

PH-TFK 12  
PH-TFL 26

PH-TFM 05, 19

FlyAllways used two Boeing 737s of Turpial this month for their flights to Cuba. Again a month with some good stuff. The Haitian national soccer team departed on the 1st with the Saab 340. Trans Guyana Airways will move to the number section from next month since they have a scheduled service to Paramaribo feeding the KLM flights. The 5th brought an Albatros operating for Fly Allways. The 11th brought an Antonov 12 that stayed for 10 days and a Spanish Falcon that flew vice versa to Sal, Cabo Verde. The Bahamasair from and to Nassau on the 12th and 19th were charters, but also a first time visitor. A bigger than usual cargo aircraft on the scheduled service to Miami on the 15th. Another unusual visitor for Paramaribo on the 22nd, Qatar on the way from Luxembourg to Sao Paulo. Central Bank of Suriname (CBvS) had a new shipment of Surinamese dollars flown in by the airline.

September 2019

01. PZ-HVG	R44	Pegasus	
YV622T	B737-4H6	Turpial Airlines	tdy 30
02. J8-OCL	Beech 1900D	One Caribbean	03
05. J8-OCL	Beech 1900D	One Caribbean	06
N960DF	Ce414A	Air Services International	06
PZ-HWJ	BK117	Hi-Jet Helicopter Services	
08. N321GG	B737-5H6	Sideral Linhas Aéreas	
09. F-GIJQ	AS350BA	Helicojyp	
F-OPCD	AS350B3	Helicojyp	
10. 11-3031	C-146A	524th SOS	
16-3025	C-146A	524th SOS	
ZS-NXU	PA-31		
12. PZ-HDF	R44	Pegasus	
PZ-TBT	Ce208B	Gum Air	
PZ-TBY	DHC-6-310	Gum Air	
13. F-GZSD	AS350B1	Helicojyp	
N389KA	Lj35A	Fundashon Mariadal	
16. F-GZSD	AS350B1	Helicojyp	
19. PZ-TBY	DHC-6-310	Gum Air	
21. PZ-TBS	Ce208B	Gum Air	
22. HI1050	G-IVSP	Helidosa	
23. F-GZSD	AS350B1	Helicojyp	
24. PR-CSC	Beech 58	Porto Seg. Inc. de empr. imobiliários	
PZ-TSK	Ce208B	Blue Wing	
XA-ZZZ	Lj45	Transportes Aereos Pegaso	25
25. PZ-HVA	EC145	Vortex Aviation	f/v
26. PZ-HDF	R44	Pegasus	

28. F-OIXF L-410UVP-E  
PZ-HVG R44  
PZ-TBN DHC-6-310  
PZ-TBS Ce208B  
29. YV2700 SA227TT

Air Guyane Express  
Pegasus  
Gum Air  
Gum Air

30

Amerijet International:

N396CM 06, 19

Caribbean Airlines:

9Y-ANU 12	9Y-JMF 03, 24
9Y-GEO 19, 26	9Y-KINI 10
9Y-JMC 28	9Y-MBJ 14, 21
9Y-JMD 17	9Y-TAB 05
9Y-JME 07	

COPA Airlines:

HP-1526CMP	25	HP-1723CMP	11, 21
HP-1535CMP	28	HP-1727CMP	07
HP-1536CMP	14	HP-1853CMP	18
HP-1539CMP	04		

GOL:

PR-GGE 28	PR-GTN 25
PR-GGL 21	PR-GTO 14
PR-GGR 07, 11	PR-GTQ 18
PR-GGU 04	

Northern Air Cargo:

N379CX 05, 11, 24

StratAir:

N319CM 13	N351CM 05, 10, 17, 25
N347CM 27	N373CM 20

Trans Guyana Airways:

8R-EAR 01, 22, 23, 26  
8R-GAQ 02, 08, 09, 14 – 16, 29, 30

TUI Netherlands:

PH-TFK 30  
PH-TFL 09, 16  
PH-TFM 02, 23

FlyAllways used Boeing 737 YV622T of Turpial this month for their flights to Cuba. The Beech at the beginning of the month operated some charters from and to Dominica. The Boeing 737 on the 8th was ferried from Jacksonville to Sao Paulo still in Gogo colours. The 10th was a good day with two USAF aircraft and a Piper from far away. It arrived from Fortaleza and went on to local airfield Zorg en Hoop in town. The chopper on the 25th is former XA-UFU that arrived in Suriname on January 24th.

Credits: Danny de Kiewit, Andrew Muller.



Another Boeing 737 initially delivered to a European airline is this aircraft. It began its career with Maersk Air in 1997 and via Ukraine it ended up in Venezuela in January 2015 with Albatros Airlines. The Boeing complements a small fleet of Embraer 120 aircraft. (Paramaribo, 7 August 2019, Faragh Djoemai)

# Civil News



On 16 October leasing giant GECAS, together with IAI Bedek, launched their conversion programme for the Boeing 777-300ER. The official designation will be Boeing 777-300ERSF (Special Freighter), but the aircraft will be marketed as “Big Twin”, as the aircraft is the largest ever twin-engined freighter. The first 777-300ER to be converted is an ex-Emirates aircraft (A6-EBB) and will be ferried to Tel Aviv, with entry into service (after certification) scheduled for late 2022. (artist impression by GECAS)

## Manufacturers News

### Boeing

#### B767-XF & 767-X

Mid October 2019 it became known that Boeing was working on a study for a derivative of the Boeing 767, primarily focused for the cargo market. With an order backlog of sixty Boeing 767-300 Freighter aircraft (for Fedex and UPS) and a healthy stream of passenger 767-300ER being converted to freighter, Boeing is very successful in the Medium Size-Medium Range Wide-Bodied Freighter market segment. To remain successful in this segment, Boeing needs either to refresh the current 767 design or to develop a freighter version of the 787 Dreamliner. But an all-cargo version of a 787 Dreamliner with its composite fuselage may be a very challenging exercise both from a design perspective as from a cost/price perspective. So a modern derivative of the current 767 would make sense. The study with the project name 767-XF is based on the 767-400ER platform and will be powered by the GE Aviation GEnx engines. To accommodate these larger engines, the aircraft would have an extended landing gear to provide the necessary ground clearance. The 767-XF would use the 767-300F forward main deck cargo door. Besides the new engines and extended landing gear, there would be no more changes, making the 767-XF a minimum change design. Entry-in-Service for the 767-XF is planned for the mid-2020s.

A part of the 767-XF study is a passenger version, the 767-X. This 767-X could be a lower-cost and lower risk alternative for the much-talked about NMA (New Mid-Market Airplane), which is an all new clean sheet design with next generation engines. If Boeing chooses for the 767-X as a so-called middle-of-the-market aircraft to compete against the A321NEO LR/XLR and the A330NEO instead of an all new design, it could allocate its financial and engineering resources toward development of a 737 MAX successor. An all new NMA will cost around \$15-20 billion to develop and will compete in an already congested and relatively small market segment. Moreover, Boeing main competitors in this segment are the latest versions of the A321NEO and A330EO, which are derivatives of late 1980s and early 1990s designs. So competing against these aircraft with a modern derivative of a late 1970s design instead of an expensive all new design, does not sound that weird. Also with the continuing saga of the 737 MAX.

Boeing is perhaps more in need of an all new “Future Small Aircraft”, and therefore can better use its financial and engineering resources to develop a 737 MAX successor instead of an all new NMA. The 767-X can be an excellent and relatively cheap and easy to develop alternative for the NMA.

#### B777-300ERSF

The discussion about a converted 777-200 freighter has been going on for years, but the chances that a converted 777-200 will become reality has become smaller and smaller. As the current fleet of 777-200 aircraft is getting older, the life remaining in the airframes becomes less and less, making the time to get a good return on the investment in the cargo-conversion minimal. Especially given the high costs involved in a possible 777 conversion, a conversion programme for 777-200s seems not realistic. With the business case for a 777-200 converted freighter not being viable, eyes has turned to a conversion programme for its larger sibling, the 777-300ER. In October 2018 it became clear that Boeing was exploring a 777-300ER passenger to freighter conversion.

But it is not Boeing who launches the first official 777-300ER conversion programme. On 16 October Israeli aerospace company IAI Bedek in corporation with leasing company GECAS announced the launch of a 777-300ER converted freighter and the establishment of a passenger-to-freighter conversion programme. The conversion is designated 777-300ERSF (Special Freighter) and is the first official after-market cargo modification for the Boeing 777. The 777-300ERSF will have 47 standard 2.4m x 3.2m pallet positions in total, which is ten more than in the Boeing 777 Factory Freighter (which is based on the shorter -200 fuselage) and it also has more volume. It even has eight more positions than a 747-400 freighter. The freighter door is installed aft of the wings just as the 777 Factory Freighter and has the same dimensions. Its payload-characteristics are such that it offers 25% more capacity than today’s smaller twin-engined freighters and that it has up to 21% lower fuel burn per tonne than ageing four-engined freighters (747s).

IAI Bedek launched the 777 freighter in corporation with leasing giant GECAS, which will provide the airframe for the prototype conversion. This is A6-EBB (MSN 32789), an aircraft currently in service with Emirates. GECAS has placed

an order for fifteen firm conversions and fifteen options. Marketing name for the IAI/GECAS 777-300ERSF will be "Big Twin" as the aircraft is larger than the factory freighter and is the largest ever twin-engined freighter. With a current fleet of 811 777-300ER in service or in storage, this programme will provide a vital secondary market opportunity for 777-300ERs. Many of these aircraft are on lease and it is estimated that around 120 of these 777-300ERs will come off lease before 2024. It is very difficult to place these large aircraft with other operators, as re-configuration costs of a passenger cabin of a 777-300ER is very expensive. With a forecast of 200 widebody freighters to be replaced in the period to 2030 (mostly 747s), there is a good market opportunity for the 777-300ERSF. For IAI Bedek, the programme is a welcome addition to its line-up of 737s and 767s conversion programmes, as the interest of a 747 conversion has faded away, the company was in need of a large cargo programme to replace its 747 business.

The first aircraft will be flown to Tel Aviv in December 2020. IAI Bedek expects that it will take about two years to develop the supplemental Type Certificate (STC) with entry into service scheduled for late 2022. IAI Bedek has made an agreement with Boeing to be licensed so that converted 777-

300ERSFs would get the full technical support from Boeing. A conversion will take four to five months per aircraft and costs are estimated to be around \$30 ~\$35mln. With values of older 777-300ERs (built before 2008) around \$ 46 million a converted 777-300ERSF will cost more than \$70 million. With GECAS providing the feedstock aircraft and IAI Bedek offering the conversion, the biggest question is...who will operate these \$70 million Big Twins?

## Gulfstream

### G700

Gulfstream Aerospace introduced the G700 on 21 October 2019 on the eve of the 2019 National Business Aviation Association Convention & Exhibition in Las Vegas. The Gulfstream President revealed a full-scale mock-up of the G700 and showed a video of the aircraft taxiing under its own power at Gulfstream headquarters in Savannah (GA). The G700 flight-test fleet will incorporate five traditional test aircraft and one fully outfitted production test aircraft, production of all six is well underway. Launch customer Qatar Airways agreed to purchase ten G700s, with Flexjet being announced as the first North American fleet customer for an unknown amount of aircraft. Gulfstream anticipates G700 customer deliveries in 2022.



Gulfstream unveiled plans to make a more spacious version of its flagship G650, namely the G700. It will be brought on the market in 2022 as a competitor to Bombardiers Global 7500. It will be capable of flying 7,500nm/13,890km and cruising just under the speed of sound. Launch customer will be Qatar Airways, which has ordered ten aircraft for its luxury charter service Qatar Executive. (Gulfstream)

## Airliner News

### Europe

#### Cyprus

Tus Airways has ceased all scheduled operations at the end of this summer season. The airline operated flights to Greece and Israel. During the winter-season the airline will fly charter-flights only, but also take the time to rebrand the airline into Ela Airways before the start of the summer season of next year. It will also use the period to acquire new and larger aircraft with the intent to replace their two Fokker 100s and five Fokker 70s. The idea is to use their new name and planes to expand to more destinations.

#### Czechia

CSA has decided to change their order for seven new A320s with Airbus into an order for four A220-300s and three A321XLRs. The first A220-300 is expected to arrive late next year, while the first A321XLR is due in 2025.

#### France

Air France has taken delivery of their first A350-900 and the aircraft is being deployed on the route to Abidjan since 7 October.

#### Italy

Italian media are reporting that Blue Panorama Airlines is to rebrand itself into Luke Air. The new name is to be unveiled in the coming weeks and is a homage to Luca Pantanè, the owner of Gruppo Uvet, which owns the airline. The plan for rebranding is an attempt at changing the image of the airline in Italy, which is really not that good at this point. As reported in March, the airline is also planning to add the Airbus A330. The first of two will be A330-200 c/n 473. The aircraft is former A7-ACA of Qatar Airways. It arrived in Dublin on 13 October for painting. The two A330s are to replace Blue Panorama's fleet of three B767-300ERs.



*Love Fly is a new Malaysian start-up airline. The airline belongs to Penang based Mjets International and will be specialising in flight charter operations only. The airline will start operations with two ex-Ukrainian Airlines Boeing 737-800s and will grow to four aircraft in 2020. One of the ex-Ukrainian 737s is seen here already in full Love Fly colours and registered as 9M-LOV, at Woensdrecht, where it underwent maintenance before being delivered to Malaysia. It was ferried to Malaysia on 16 October. (14 October 2019, Jordy Belde)*

### Portugal

According to ch-aviation, [Portugalia](#) is looking for a replacement of its fleet of nine E190s and four E195, which it operates for TAP Air Portugal Express. As the capacity at Lisbon airport is restricted, the airline wants to increase the number of seats, and is therefore interested in the A220-300 from Airbus and the E195-E2 from Embraer. The airline will issue a RFP shortly and is planning to start the replacement of its current fleet in 2021.

### Slovenia

On 30 September [Adria Airways](#) was officially declared bankrupt after they already suspended their operations in the week before. The government is now exploring possibilities to move forward and one of them is establishing a new airline.

### United Kingdom

To promote the newest Star Wars-movie, [Virgin Atlantic](#) has painted B747-400 G-VLIP into a special livery.

## Africa

### Réunion

[Air Austral](#) has signed an order with Airbus for three A220-300s. The airline will use the three planes to replace their current short-haul fleet which consists of two B737-800s and a single ATR72-500. Deliveries will be in November and December 2020 and March 2021.

### Madagascar

Air Austral-partner [Air Madagascar](#) is also planning to fly the A220. The airline, which is owned for 49% by Air Austral, wants to lease three A220-300s. They hope to sign a lease-agreement before the end of this year, with the first delivery in the first quarter of 2021.

### Tanzania

De Havilland has secured their very first own order for the DHC-8-400 since taking over the product from Bombardier. The manufacturer has signed a purchase agreement with [Air Tanzania](#) for one additional plane. The airline already operates three aircraft of the type.

## Asia

### China

On 25 September the second airport of Beijing was officially opened by President Xi Jinping. Construction of [Daxing In-](#)

[ternational Airport](#) started on 26 December 2014, which has a capacity to handle 72 million passengers and is able to grow to 100 million passengers by 2025. It has four runways and the world's largest single-building terminal. On the Google Earth picture a fifth isolated runway is seen on the west side. It is located roughly 46 kilometres from the heart of Beijing and is connected with the city by subway and high-speed rail. The opening also has consequences for Nanyuan Airport, which was the very first airport in China. The airport will close down and all flights, both civil as military, will move to Daxing. The future of Nanyuan is uncertain, but there are plans to establish an aviation museum on the site.

Currently the new airport is being served by fourteen airlines; Air China, Beijing Capital Airways, British Airways, China Eastern Airlines, China Southern Airlines, China United Airlines, Finnair, Hebei Airlines, Himalaya Airlines, Juneyao Air, LOT, Malaysia Airlines, Royal Air Maroc and Royal Brunei Airlines.

### India

The demise of Jet Airways has led to a run for extra capacity by other Indian airlines. One of these is [GoAir](#), which has issued a RFP in which it seeks bids from The Boeing Company and Airbus for 20 widebody and 200 narrowbody aircraft. Currently the airline operates a fleet of 53 A320s, including 37 A320neos. GoAir has a further 107 A320neos on order with Airbus, which should all be delivered by 2024.

[Vistara](#) is accelerating the delivery of their first B787s by taking over at least two B787-9s that have not been taken up by Hainan Airlines. Vistara has orders for six B787-9s, but it is yet unknown if these two are additional or part of these six.

### Japan

The first B787-8 for the new longhaul LCC-subsiary of JAL Japan Airlines, [Zipair](#), has rolled out of the paint hangar at Xiamen. The plane involved is JA822J. Zipair is scheduled to officially launch in March next year and has announced that they will start with flights to Bangkok and Seoul from Tokyo-Narita.

### Turkmenistan

With the help of Lufthansa Consulting, [Turkmenistan Airlines](#) has convinced the EASA that it is compliant with all international safety standards. As a result, the European Aviation Safety Association revoked the ban to fly over and

into the European Union. This clears the way for Turkmenistan Airlines to resume flying into Europe. Before the ban in March, the airline served Birmingham, Frankfurt and London-Heathrow.

## Latin America

### Brazil

LATAM has painted B777-300ER PT-MUA into a special Storm Trooper-livery to also promote the latest Star Wars-movie.

### Colombia

Next month Avianca will be celebrating their 100th birthday. To celebrate this, they have painted A320 N284AV in a retro-livery.

## Middle East

### United Arab Emirates

Etihad Airways and Air Arabia announced they will partner-up to establish a new branch of the low-cost airline: Air Arabia Abu Dhabi. No time frame has been announced, but the new airline will be run independent from both companies. In the meantime, Air Arabia is planning to place an order for 100 new planes before the end of this year. Under consideration are the B737MAX-family from The Boeing Company and the A320neo-family from Airbus.

Etihad Airways has a new Manchester City-logojet. The aircraft, B787-9 A6-BND, made its first commercial flight on 22 October. The destination was very fitting; Manchester!

## North America

### United States of America

Air Lease Corporation and Delta Air Lines signed a lease-agreement for two additional new Airbus A330-900s. The new planes are to be delivered in 2020 and 2021. According to the Delta press-release, the deal represents an “opportunistic play” to accelerate the renewal of the airline’s longhaul-fleet. Opportunistic in this case means a killer lease-rate as ALC had these planes on the production schedule, but not placed yet.

Other important news about Delta this month is that they have acquired 20% of the shares of LATAM Airlines for \$2 billion. The airline will also take-over four Airbus A350-900s from LATAM as well as their outstanding orders for ten more A350s. These were originally planned to be delivered to LATAM between 2020-2025.

Spirit Airlines has signed a Memorandum of Understanding (MOU) with Airbus for a firm order for 100 A320neo-family aircraft. They also secured options on fifty more planes. Accord-

ing to the press-release, the order will contain a mixture of all types of the family, so A319neos, A320neos and A321neos. The exact split will be decided on operational needs and the airline has full flexibility in selecting the type. All new planes are planned to be delivered by 2027.

Something to look out for during spotting are two United Airlines B757-200s. N14102 and N14106 have been painted into a special livery designed by two designers after a competition. One plane is promoting New York, while the other is promoting Los Angeles.

## Oceania

### Australia

Next year, Qantas will also celebrate their 100th birthday and they celebrate this by spicing up B787-9 VH-ZNJ in a special centenary livery.

## Aircraft orders

Underlining means an update compared to last month. We only report firm orders when they are officially announced by the aircraft manufacturers.

### Airbus 2019 firm orders

<u>AerCap</u>	5	<u>A320neo</u>	
Aer Lingus	6	A321neo	
Air China	20	A350-900	
Air Vanuatu	2	A220-100	
	2	A220-300	
All Nippon Airways	18	A320neo	
Atlantic Airways	2	A320neo	
American Airlines	20	A321neo	
DAE Capital	2	A350-900	
Delta Air Lines	5	A220-100	
Iberia	2	A320neo	
	8	A321neo	
Jetblue Airways	10	A220-300	
Lufthansa	20	A350-900	
Lufthansa Technik (for Luftwaffe)	3	A350-900	
Private	1	ACJ319neo	
	2	ACJ320neo	
	1	ACJ350-900	
Qantas	10	A321neo	
Saudia	30	A320neo	
Starlux	5	A350-900	
	12	A350-1000	
Uganda Airlines	2	A330-800	
<u>Unidentified</u>	10	<u>A220-100</u>	
	4	<u>A220-300</u>	
	43	A320neo	
	38	<u>A321neo</u>	(+10)
	12	<u>A330-900</u>	



Early August Virgin Atlantic took delivery of its first Airbus A350-1000. In total Virgin has ordered twelve A350-1000s to replace their ageing Airbus A340-600s and Boeing 747-400s. The Virgin A350-1000s have a cabin consisting of 44 business class seats, 56 premium economy, and 234 economy class. Business class passengers can also use a special lounge area, called “the Loft”. Pictured here is Virgin’s second Airbus A350 G-VPOP, taking off from London-Heathrow for a flight to New York-JFK (NY). (19 September 2019, Robert Eikelenboom)

Virgin Atlantic 8 A330-900  
 Total 303 (+41)

**ATR 2019 firm orders**

Air Tahiti 2 ATR42-600S  
 Avation 8 ATR72-600  
 Elix Aviation Capital 10 ATR42-600S  
 Nordic Aviation Capital 35 ATR72-600  
 Tunisair Express 3 ATR72-600S  
 Total 58

**Boeing 2019 firm orders**

Air Lease Corporation 1 B787-9  
 Air New Zealand 8 B787-10  
 Bamboo Airways 10 B787-9  
 Boeing Capital Corporation 1 B787-9  
 British Airways 18 B777-9  
 China Airlines 6 B777F  
 DHL 4 B777F  
 FedEx 6 B767-300F  
 Korean Air 10 B787-9  
 10 B787-10  
 Lufthansa 20 B787-9  
 Private 2 BBJMAX (+1)  
 2 B787-9  
 Qatar Airways 5 B777F  
 Royal Air Force 4 P-8A  
 Royal Norwegian Air Force 5 P-8A  
 Turkmenistan Airlines 1 B777-200LR

Unidentified

16 B737  
 1 B767-300F  
 2 B777-300ER  
 5 B787-9  
 4 B787-10  
 4 B767-300F  
 15 KC-46A  
 10 P-8A  
 Total 170 (+25)

**Bombardier & De Havilland Canada 2019 firm orders**

Air Tanzania 1 DHC-8-400Q  
 Chorus Aviation 9 CRJ900  
 Petroleum Air Services 1 CRJ900  
 TAAG Angola Airlines 6 DHC-8-400Q  
 Total 17 (+1)

**Embraer 2019 firm orders**

Air Peace 10 E195-E2  
 Binter 2 E195-E2  
 Fuji Dream Airlines 2 E175  
 KLM cityhopper 15 E195-E2  
 SkyWest Airlines 7 E175  
 United Airlines 20 E175  
 Total 56

Credits: Aviator.aero, CH-Aviation, Scramble Messageboard, Airbus, Boeing, ATR, Bombardier, De Havilland Canada, Embraer and Flight Global.

**Jetliners**



Bamboo Airways is a private airline which belongs to the FLC group, a major Vietnamese conglomerate with interests in real estate development, construction, investments and business services. The airline has a hybrid business model, combining elements of both a low-cost and full service carrier. Bamboo Airways started services on 16 January 2019 with an Airbus A319 flight from Ho Chi Minh City to Hanoi. As of late October their fleet consists of thirteen Airbus narrow bodies (one A319, eight A320-200s and four A321-200Ns), but the airline has outstanding orders and LOIs for 59 more aircraft (five A320NEOs, 24 A321NEOs and thirty Boeing 787-9s). Although it just started operations in January 2019, Bamboo is already celebrating the fact that it has transported more than 1 million passengers on more than 10,000 flights. With large "10,000 FLIGHTS", "FIRST 1 MILLION PASSENGERS" and especially "THANK YOU" titles on this Airbus A321-200NEO VN-A590, Bamboo Airways expresses its gratitude to passengers for always supporting and travelling with the airline. (Saigon, 20 September 2019, Alex Waning)

A220	-300	<b>55059</b>	SU-GEY	EgyptAir. Delivered on 30 September.
	-300	<b>55060</b>	SU-GEZ	EgyptAir. Delivered on 19 October.
A300B4	-622RF	<b>683</b>	D-AZMK	EAT Leipzig, ex B-LDM of Air Hong Kong. Delivered on 19 October.
A319	-111	<b>1000</b>	OE-IKG	Carlyle Aviation Partners, ex S5-AAX of Adria Airways. Registered in Austria on behalf of the lessor on 1 October. Ferried to Castellon De La Plana for storage and scrapping on 8 October.
	-131	<b>1445</b>	N845AC	Aero Capital Solutions, ex G-EUPX of British Airways. Registered in the US on 16 October. Aircraft was ferried to St Athan for storage and scrapping on 7 September.
	-132	<b>4282</b>	OE-IKE	Carlyle Aviation Partners, ex S5-AAP of Adria Airways. Registered in Austria on behalf of the lessor on 1 October. Ferried to Castellon De La Plana for storage on 7 October. New operator of the aircraft will be Volotea Airlines is mentioned as new operator.
	-132	<b>4301</b>	OE-IKF	Carlyle Aviation Partners, ex S5-AAR of Adria Airways. Registered in Austria on behalf of the lessor on 1 October. Ferried to Castellon De La Plana for storage on 9 October. New operator of the aircraft will be Volotea Air.
	-112	<b>4663</b>	LY-KIT	GetJet Airlines, ex Sunwing Airlines. Returned from lease on 1 October.
	-112	<b>4691</b>	LY-KEA	GetJet Airlines, ex TUI fly Belgium. Returned from lease on 1 October.
A320	-231	<b>357</b>	YR-SEA	Star East Airlines, ex Smartwings. Returned from lease on 30 September.
	-214	<b>936</b>	ES-SAO	SmartLynx Estonia, ex TUI fly Belgium. Returned from lease on 8 October.
	-232	<b>1183</b>	ES-SAP	SmartLynx Estonia, ex Jet2. Returned from lease on 2 October.
	-214	<b>1571</b>	LY-VEB	Avion Express, ex Thomas Cook Airlines. Returned from lease on 23 September. Used for repatriation flights until 7 October.
	-233	<b>1626</b>	LY-VEN	Avion Express, ex Thomas Cook Airlines. Returned from lease on 23 September. Used for repatriation flights until 6 October.

	-232	<b>2029</b>	LY-OWL	GetJet Airlines, ex TUI fly Netherlands. Returned from lease on 2 October.
	-232	<b>2029</b>	LY-OWL	Sunwing Airlines, ex GetJet Airlines. Delivered on lease on 7 October.
	-232	<b>2077</b>	LY-ELK	GetJet Airlines, ex TUI fly Netherlands. Returned from lease on 30 September
	-232	<b>2077</b>	LY-ELK	LOT Polish Airlines, ex GetJet Airlines. Delivered on lease on 30 September.
	-233	<b>2252</b>	OE-LOW	LaudaMotion, ex 9V-SLG of SilkAir. Delivered on 15 October.
	-232	<b>3004</b>	VN-A587	Bamboo Airways, ex A6-EIF of Etihad Airways. Delivered on 27 September.
	-232	<b>3050</b>	VN-A584	Bamboo Airways, ex A6-EIG of Etihad Airways. Delivered on 1 October.
	-232	<b>3902</b>	VN-A583	Bamboo Airways, ex A6-EIJ of Etihad Airways. Delivered on 1 October.
	-232	<b>4305</b>	N697NK	Spirit Airlines, ex D-AAAF of Lufthansa Technik. Delivered on 14 October. Former TF-BRO of WOW air.
	-214	<b>5841</b>	OE-LZF	Austrian Airlines, ex PR-ONT of AVIANCA Brasil. Delivered on 17 October. Registered in between as N680AC of ACG - Aviation Capital Group.
	-214	<b>6177</b>	HB-JXR	easyJet Switzerland, ex G-EZWV of easyJet. Transferred to Switzerland on 8 October.
	-214	<b>8263</b>	HB-JXQ	easyJet Switzerland, ex G-EZRV of easyJet. Transferred to Switzerland on 22 October.
	-214	<b>9058</b>	D-AIWK	Lufthansa. Delivered on 1 October. Test registration was D-AUBE.
	-251N	<b>9103</b>	G-UZLF	easyJet. Delivered on 11 October. Test registration was D-AUBJ.
	-271N	<b>9193</b>	VQ-BTL	S7 Airlines. Delivered on 1 September. Test registration was F-WWIZ.
A321	-231	<b>1366</b>	LY-VEH	Avion Express, ex Thomas Cook Airlines. Returned from lease on 23 September. Used for repatriation flights until 7 October.
	-211	<b>1988</b>	D-AEUA	Eurowings, ex OE-LCG of LaudaMotion. Delivered on 27 September
	-212	<b>2115</b>	LY-VEG	Avion Express, ex Thomas Cook Airlines. Returned from lease on 23 September. Used for repatriation flights until 7 October.
	-214	<b>2180</b>	EI-GIZ	Castlelake, ex F-HFUL of Aigle Azur. Registered on behalf of the lessor in October. Aircraft is stored at Kemble.
	-231	<b>2234</b>	LY-VEA	Avion Express, ex Thomas Cook Airlines. Returned from lease on 23 September. Used for repatriation flights until 7 October.
	-211	<b>2342</b>	YL-LDB	SmartLynx, ex TUI fly Belgium. Returned from lease on 7 October.
	-211	<b>3267</b>	LY-VEC	Avion Express, ex of Thomas Cook Airlines. Returned from lease on 23 September. Used for repatriation flights until 7 October.
	-211	<b>3334</b>	LY-VED	Avion Express, ex Thomas Cook Airlines. Returned from lease on 23 September. Used for repatriation flights until 7 October.
	-211	<b>5126</b>	D-AEUI	Eurowings, ex OE-LCJ of LaudaMotion. Delivered on 7 October.
	-211	<b>5133</b>	D-AEUJ	Eurowings, ex OE-LCK of LaudaMotion. Delivered on 16 October.
	-211	<b>6526</b>	OE-IKL	Carlyle Aviation Partners, ex G-TCDJ of Thomas Cook Airlines. Registered in Austria on 9 October. Ferried to Zagreb for storage on that same day.
	-211	<b>6968</b>	OE-IKO	Carlyle Aviation Partners, ex G-TCDL of Thomas Cook Airlines. Registered in Austria on 9 October. Ferried to Zagreb for storage on that same day.
	-211	<b>7680</b>	HS-VKL	Thai VietJetAir, ex EI-GOL of BoComm Leasing. Delivered on 15 October. Former TF-PRO of WOW air.
	-211	<b>7715</b>	HS-VKM	Thai VietJetAir, ex TF-NOW of WOW air. Delivered on 1 October. Registered in between as EI-GOX of BoComm Leasing.
	-271N	<b>8277</b>	P4-KDF	Air Astana. Delivered on 27 September. Test registration was D-AVYK.
	-251NX	<b>8861</b>	A6-ATB	Air Arabia. Delivered on 17 October. Test registration was D-AVZN.
	-271NX	<b>8893</b>	N2016J	jetBlue Airways. Delivered on 2 October. Test registration was D-AZAH.
	-253NX	<b>8965</b>	EI-LRC	Aer Lingus. Delivered on 14 October. Test registration was D-AYAD.
	-271NX	<b>8997</b>	HA-LVG	Wizz Air. Delivered on 11 October. Test registration was D-AVYH.
A330	-203	<b>834</b>	JY-	Jordan Aviation, ex 2-PAOK of Aergo Capital. Delivered on 16 October. Former AP-BMK of Shaheen Air International.
	-343E	<b>1015</b>	C-CEGP	Air Canada, ex CS-TOX of TAP Air Portugal. Delivered on in Star Alliance colours on 11 October.
	-941N	<b>1921</b>	CS-TUN	TAP Air Portugal. Delivered on 4 October. Test registration was F-WWCT.
	-941N	<b>1933</b>	HS-LAK	Thai Lion Air. Delivered on 22 October. Test registration was F-WWCO.
	-941N	<b>1935</b>	N404DX	Delta Air Lines. Delivered on 30 September. Test registration was F-WWYY.
	-202	<b>1936</b>	F-HLVN	LEVEL. Delivered on 1 October. Test registration was F-WWКУ.
A350	-941	<b>257</b>	A7-AML	Qatar Airways. Delivered on 27 September. Test registration was F-WZFF.
	-1041	<b>266</b>	A7-ANJ	Qatar Airways. Delivered on 27 September. Test registration was F-WZGY.



To celebrate its 25th anniversary, Miami Air International decided it was time for a new colour scheme. Boeing 737-800 N758MA was the first aircraft to be repainted in the new colours this summer. The aircraft is pictured at Glasgow, as Miami Air was one of the airlines who assisted to bring stranded Thomas Cook passengers back to the UK, as part of operation Matterhorn. (29 September 2019, Lewis Burns)



Great Dane Airlines is new Danish airline. It launched its first charter service on 14 June 2019 with a flight from Aalborg to Rhodes. It also plans to operate charter flights for tour operator Bravo Tours from Aalborg, Billund and Copenhagen to destinations on the Mediterranean and the Black Sea. They also started scheduled services within Denmark and Scandinavia, but they have already announced that they will terminate these scheduled services and concentrate on their charter services after the winter season. Their current equipment is two leased Embraer ERJ195s with a third one being delivered to the airline in the very near future. All aircraft are ex-Stobart Air ERJs. EI-GDB was the second ERJ195 and was delivered to the airline in July 2019. (Ostend, 22 August 2019, Nik Deblauwe)

	-1041	<b>319</b>	G-VPRD	Virgin Atlantic Airways. Delivered on 23 September. A week after its hand-over it was ferried from Toulouse to Lourdes-Tarbes. On 9 October it left Lourdes for a short hop to Bordeaux, and was finally delivered to London-Gatwick on 24 October. Test registration was F-WZNY.
	-941	<b>331</b>	F-HTYA	Air France. Delivered on 27 September. First A350 for Air France. Test registration was F-WZFN.
	-941	<b>334</b>	B-309W	China Southern Airlines. Delivered on 18 October. Test registration was F-WZNB.
	-941	<b>335</b>	HL8362	Asiana Airlines. Delivered on 15 October. Test registration was F-WZGD.
	-1041	<b>336</b>	G-VJAM	Virgin Atlantic Airways. Delivered on 27 October. Ferried to Lourdes-Tarbes for short term storage on 1 October. Test registration was F-WZFM.
	-941	<b>339</b>	B-30A9	China Southern Airlines. Delivered on 22 October. Test registration was F-WZNX.
	-941	<b>345</b>	ET-AWO	Ethiopian Airlines. Delivered on 4 October. Test registration was F-WZNF.
BAe146	-RJ85	<b>E2371</b>	N325AC	Aero Flite, ex EI-RJW of CityJet. Arrived at Spokane (WA) on 28 September and registered on 8 October.
B737	-4Q8	<b>24332</b>	SX-DRA	flyGR8, ex LY-GTW of GetJet Airlines. Delivered on 16 October.
	-36EF	<b>25264</b>	ZK-FXJ	Airwork, ex TF-BBF of Bluebird Nordic. Delivered as TF-BBF on 20 August.
	-36EF	<b>25256</b>	ZK-FXK	Airwork, ex TF-BBE of Bluebird Nordic. Delivered as TF-BBE on 27 September.
	-8Q8	<b>28218</b>	N820TJ	Swift Air, ex Smartwings. Returned from summer lease on 15 October.
	-8FH	<b>29639</b>	G-DRTI	Jet2, ex VT-JGF of Jet Airways. Delivered on 8 October. Registered as M-ABLU of First Star Speir Aviation 1 Ltd in between.
	-8HX	<b>29647</b>	C-FTOH	Sunwing Airlines, ex C-FTOH of Smartwings. Returned from summer lease 24 October.
	-81Q	<b>30619</b>	N733MA	Miami Air International, ex Transavia Airlines (and TUI fly Netherlands) Returned from lease on 1 October.
	-8Q8	<b>30719</b>	C-GTVG	Sunwing Airlines, ex OK-TVG of Smartwings. Delivered on winter lease 25 October as OK-TVG.
	-81Q	<b>30785</b>	OM-HEX	Fly All Ways, ex AirExplore. Delivered on lease 13 October.
	-8CX	<b>32359</b>	N277EA	Swift Air, ex Smartwings. Returned from summer lease on 9 October.
	-86J	<b>32624</b>	N624XA	Swift Air, ex Smartwings. Returned from summer lease on 1 October.
	-86J	<b>32917</b>	N917XA	Swift Air, ex Smartwings. Returned from summer lease on 1 October.
	-86NSF	<b>33419</b>	VQ-BFT	ATRAN-Aviatrans Cargo Airlines, ex N537RL of Bank of Utah. Delivered on 5 October.
	-8AL	<b>35070</b>	N276EA	Swift Air, ex Smartwings. Returned from summer lease on 15 October.
	-96NER	<b>35223</b>	UR-SQI	SkyUp Airlines, ex OE-IDW of Celestial Aviation Trading 5 Ltd. Delivered on 10 October.
	-8Q8	<b>35275</b>	C-GVVH	Sunwing Airlines, ex OK-TVH of Smartwings. Delivered on winter lease 21 October as OK-TVH.
	-8HX	<b>36552</b>	C-FLSW	Sunwing Airlines, ex Smartwings. Returned from summer lease on 16 October.
	-86N	<b>36825</b>	SP-LWF	LOT Polish, ex 2-STND of Pembroke Aircraft Leasing 11 Ltd. Delivered on 22 October.
	-8K2	<b>37160</b>	PR-HSW	GOL - Linhas Aéreas Inteligentes, ex PH-HSW of Transavia Airlines. Delivered on winter lease 24 October as PH-HSW.
	-86J	<b>37757</b>	C-GOWG	Sunwing Airlines, ex Smartwings. Returned from summer lease 24 October.
	-86N	<b>38018</b>	C-GNVR	Sunwing Airlines, ex OK-TVR of Smartwings. Delivered on winter lease 17 October as OK-TVR.
	-8JP	<b>39003</b>	SE-RRE	Norwegian Air Sweden, ex LN-DYE of Norwegian. Transferred on 14 October.
	-8JP	<b>39004</b>	SE-RRF	Norwegian Air Sweden, ex LN-DYF of Norwegian. Transferred on 15 October.
	-8JP	<b>39006</b>	SE-RRN	Norwegian Air Sweden, ex LN-DYN of Norwegian. Transferred on 17 October.
	-8JP	<b>39165</b>	SE-RRG	Norwegian Air Sweden, ex LN-DYG of Norwegian. Transferred on 16 October.
	-86N	<b>39404</b>	C-GPVS	Sunwing Airlines, ex OK-TVS of Smartwings. Delivered on winter lease 12 October as OK-TVS.
	-8JP	<b>40868</b>	SE-RRO	Norwegian Air Sweden, ex LN-DYO of Norwegian. Transferred on 18 October.
	-8JP	<b>41136</b>	SE-RRI	Norwegian Air Sweden, ex LN-NHE of Norwegian. Transferred on 21 October.
	-8JP	<b>41139</b>	SE-RRH	Norwegian Air Sweden, ex LN-NHG of Norwegian. Transferred on 22 October.
	-800	<b>41355</b>	PR-GZQ	GOL - Linhas Aéreas Inteligentes, ex PH-HXG of Transavia Airlines. Delivered on winter lease on 10 October as PH-HXG.
	-8Q8	<b>41807</b>	C-FYJD	Sunwing Airlines, ex TUI Airways. Returned from summer lease on 8 October.
	-800	<b>42094</b>	SE-RRJ	Norwegian Air Sweden, ex LN-NIJ of Norwegian. Transferred on 23 October.
	-8AS	<b>44721</b>	9H-QBZ	Malta Air, ex EI-FON of Ryanair. Transferred on 23 October.
	-8AS	<b>44732</b>	9H-QCL	Malta Air, ex EI-FRF of Ryanair. Transferred on 24 October.

	-800	<b>44794</b>	9H-QAM	Malta Air, ex EI-FZV of Ryanair. Transferred on 2 October.
	-800	<b>44795</b>	9H-QAN	Malta Air, ex EI-FZW of Ryanair. Transferred on 3 October.
	-8F2	<b>60028</b>	TC-JZG	Air Albania. Leased from Turkish Airlines per 29 September.
	-8	<b>63970</b>	SE-RYB	Norwegian Air Sweden, ex LN-BKE of Norwegian. Transferred on 23 October, but currently stored.
	-8	<b>64993</b>	SE-RYA	Norwegian Air Sweden, ex LN-BKD of Norwegian. Transferred on 21 October, but currently stored.
B747	SP-21	<b>21648</b>	N7477S	CSDS Asset Management LLC, ex VP-BAT of Sheikh Kalifa Bin Hamad Al Thani. Registered in the US on 4 October. The aircraft had been stored at Bournemouth (02aug16 - 18may18), Kelowna (Bc.) (18may18 - 03oct18) and Hamilton (Ont.) (03oct18 - 04oct19), before it was ferried to Marana (AZ) for continuous storage on the same day it was registered in the US.
	-4R7F	<b>29729</b>	4K-SW800	Silk Way West Airlines, ex I-SWIA of SW Italia. Transferred early October.
B767	-323ERBDSF	<b>25202</b>	N360CM	ATI - Air Transport International, ex Cargo Aircraft Management. Delivered on 9 October. Former HL8319 of Air Incheon
	-304ERBDSF	<b>28039</b>	N391UP	UPS, ex Cargo Aircraft Management. Former I-AIGJ of Air Italy. Delivered after freighter conversion at Tel Aviv on 7 September.
	-3CBER	<b>33467</b>	N685UA	United Airlines, ex N590HA of Hawaiian Airlines. Delivered already in October 2018. Reregistered to N685UA in May and entered service for United on 14 August 2019.
	-3CBER	<b>33468</b>	N686UA	United Airlines, ex N592HA of Hawaiian Airlines. Delivered already in August 2018. Reregistered to N686UA in May and entered service for United on 22 July 2019.
	-300F	<b>63110</b>	N179FE	FedEx Express. Delivered on 27 September. Line # 1191.
	-300F	<b>63112</b>	N181FE	FedEx Express. Delivered on 17 October. Line # 1193.
B777	-212ER	<b>32321</b>	N519BC	Boeing Capital Corporation, ex 9V-SRO of Singapore Airlines. Withdrawn from use on 11 August and registered in the US on 11 October.
	-31H	<b>32702</b>	B-HNX	Cathay Pacific Airways, ex A6-EMX of Emirates. Delivered on 10 October.
	-F	<b>66082</b>	D-AALM	AeroLogic. Delivered in full DHL colours on 30 September. Line # 1625.
	-F	<b>66336</b>	A7-BFR	Qatar Airways. Delivered on 30 September. Line # 1617.
	-F	<b>66337</b>	A7-BFS	Qatar Airways. Delivered on 30 September. Line # 1621.
	-F	<b>66578</b>	TC-LJR	Turkish Airlines. Delivered on 1 October. Line # 1623.
	-F	<b>66632</b>	D-AALN	AeroLogic. Delivered in full AeroLogic colours on 21 October. Line # 1626.
B787	-8	<b>35435</b>	JA846J	Japan Airlines. Delivered on 8 October. Line # 915.
	-9	<b>39986</b>	A9C-FG	Gulf Air. Delivered in a special "1976 retro" colour scheme on 21 October. Line # 901.
	-10	<b>40050</b>	HZ-AR24	Saudia - Saudi Arabian Airlines. Delivered on 29 September. Line # 886.
	-9	<b>42373</b>	A6-BND	Ethiad Airways. Delivered in special Manchester City colours on 17 October. Line # 910.
	-10	<b>42503</b>	PH-BKC	KLM Royal Dutch Airlines. Delivered on 16 October. Line # 908.
	-10	<b>60288</b>	VN-A873	Vietnam Airlines. Delivered on 18 October. Line # 912.
	-9	<b>60313</b>	B-20D7	China Southern Airlines. Delivered on 29 September. Line # 906.
	-10	<b>63512</b>	B-17805	EVA Air. Delivered on 7 October. Line # 902.
	-9	<b>65088</b>	ZK-NZR	Air New Zealand. Delivered on 22 October. Line # 919.
	-9	<b>65248</b>	EC-NCY	Air Europa. Delivered on 28 September. Line # 904.
	-9	<b>66073</b>	VH-ZNI	QANTAS. Delivered on 15 October. Line # 921.
CRJ	900LR	<b>15207</b>	PH-ADQ	SAMCO Aircraft Maintenance B.V., ex S5-AAN of Adria Airways. Ferried as such to Maastricht 18 October.
	900ER	<b>15283</b>	G-CLJH	Trident Aviation Leasing Services (UK) Ltd, ex S5-AAU of Adria Airways. Registered on 3 October.
	900ER	<b>15284</b>	G-CLJG	Trident Aviation Leasing Services (UK) Ltd, ex S5-AAV of Adria Airways. Registered on 3 October.
ERJ	135BJ	<b>14501035</b>	XA-KAD	Private, ex N145MB of Bank of Utah. Registered in July.
	135BJ	<b>14501161</b>	P4-SAM	SmartJet, ex B-3799 of China Eastern Business Aviation Services. Delivered on 18 October.
	135BJ	<b>14501211</b>	M-EBOY	Prima Aviation, ex M-YKBO of Sfera Jet. Re-registered on 7 October.
	135BJ	<b>14501225</b>	P4-RMK	Flight Holdings, ex M-RCCH of Russian Copper Company Holding Ltd. Per 19 October.
	190STD	<b>19000770</b>	F-HBLO	Air France HOP. Delivered on 18 October.
	190E2STD	<b>19020019</b>	P4-KHE	Air Astana. Delivered on 16 October.

Credits: Airline-List, FlightsAscend, Planespotters and Skyliner.



For years Atlantic Air Cargo's C-47A N437GB was a familiar sight at Opa Locka from where, together with sistership N705GB, it operated cargo flights throughout the Caribbean. Unfortunately things didn't go as planned on 18 October. While on approach to Nassau-Lynden Airport the left hand engine failed and the aircraft had to ditch into the ocean, 2.5 miles short of the runway. (Opa Locka (FL), 10 May 2008, Walter Heukensfeld)

## Commuters

ATR72	-212A	<b>1042</b>	S2-AKI	US-Bangla Airlines, ex F-HOPA of HOP!. Delivered on 17 October.
	-212A	<b>1580</b>	G-OATR	Aurigny Air Services. Delivered on 25 October.
BN-2	B-20	<b>2314</b>	2-CIAS	Channel Islands Air Search, ex N70AS of Southern Aircraft Consultancy Inc. Trustee.

## Propliners

Beech	G18S	<b>BA-472</b>	N9210	Ex Renfros. Right after the Certificate of Airworthiness expired on 30 September, all valuable parts were removed and moved to the edge of Bethel Airport (AK). The frame is offered for sale, but this is a very remote location to park an airplane that is up for sale.
Convair	H18	<b>BA-653</b>	N18RW	Ex N408BK, still with the same owner, per 15 October 2019.
	C-131B	<b>265</b>	N7813B	Yankee Air Museum, flew from Pontiac to the museum at Detroit-Willow Run (MI) on 9 May 2019. Will remain at the museum on display.
	440F	<b>393</b>	N24DR	Owned and flown by Douglas Taylor, crashed one kilometre short of runway 25 at Toledo Express Airport (OH) on 11 September 2019. See Dustpan & Brush in the last issue.
Curtiss	580	<b>39</b>	ZS-LYL	Ex Titan Helicopters, moved by road to Stellenbosch, and preserved there along motorway N1. This happened already back in late 2017. Still in full Titan colours by September 2019.
	580	<b>381</b>	ZK-CIF	Air Chathams, retired on 1 October 2019. Cancelled from the register several days later.
	C-46	<b>26812</b>	HK-3150	Selva, a terrible video was shared on the internet, showing the cutting up of this Curtiss Commando at the international airport of Bogota. We expect this took place in September 2019. The airplane had been in storage there since about 1993/94, but unfortunately has not been saved in a museum.
DHC Douglas	2 DC-3	<b>134</b> <b>2219</b>	C-FGYN XA-RTC	Exported to the USA per 20 August 2019. Ex Aero Transporte Turistico and dumped at Merida Airport in Mexico and is now part of an outdoor adventure park near Puerto Morelos, near Cancun, called Parque Selvatica. Photos seen of the aircraft being parked there in September 2019, complete with engines and some flight controls. Still in the jungle but now far better visible than at the Merida dump. It looks like they may have changed the registration a little bit.
	BT-67	<b>9043</b>	C-GOOU	ALCI. Antarctic Logistics has taken over the former AirTec N141PR. Registered as a Canadian on 11 October 2019. Delivered from Oshkosh (WI) to Oshawa (Ont.) on 16 October.
	C-47	<b>9089</b>	CF-JWP	Gateway Aviation, arrived by road in Oshkosh (WI) 29 September 2019. Now officially registered N856YB, but both numbers were not noted on the fuselage. Ex Red Deer (AB) storage area.
	C-47A	<b>12192</b>	XA-UDY	Noted doing engine test runs at Ensenada (Baja California) on 7 September 2019, on the way to recovery.
	C-47A	<b>13860</b>	HK-4971	Arrived in Colombia in 2014, as ex N293WM. It remained parked at the Allas ramp at Villavicencio. In October 2019 it was noted with the wings, tail, and paint removed, at the Aliansa ramp. It looks like they will finally reactivate this DC-3.
	C-47A	<b>19999</b>	N437GB	Atlantic Air Cargo, ditched into the Atlantic ocean a few miles off Nassau in the Bahamas on 18 October 2019. Crew was saved. See Dustpan & Brush for more details.
	C-47B	<b>26593</b>	HK-1149	Sadelca, moved of the main ramp into the grass area. Engines removed and fuselage already turning brown by mold. Noted together with Sadelcas An-32 in a similar state but engines still installed in October 2019 at Villavicencio-Vanguardia Airport.
	C-47B	<b>32872</b>	D-CXXX	Air Service Berlin 'Rosinenbomber', correction on Scramble 484, location should be in Herdringen, Germany, not Herdingen.
	BT-67	<b>33282</b>	FAS116	Fuerza Aérea Salvadoreña, the Air Force of El Salvador, went off the runway and into a ditch at San Salvador Ilopango 22 October 2019. Again check the Dustpan & Brush for more details.
	C-47B	<b>33445</b>	N41CQ	Vallentuna Aviatorforening, better known as the Congo Queen. Former 9Q-CUK. Based at Stockholm-Vallentua airport. The Swedish authorities now demand the airplane to be put on the Swedish register and to comply with all EU/EASA regulations. Without a Swedish registration the airplane is allowed to make one delivery flight. After many negotiations the airplane departed 16 October to Tallin and further eastwards to China, where it will be based and operated. It will remain under Swedish ownership and on an American registration. A sad loss the European aviation scene.



In 2011 Viscount 757, msn 384, was moved from Montreal St Hubert (Que), where it had been in storage since 1989, to Laval (Que). Here it joined the IPIQ - Institut de Protection Contres les Incendies du Quebec or Fire Fighting Training Centre. Although the last official registration was C-FTID-X the US registration N6225C still can vaguely be seen, this was painted on the aircraft for film work and has thus never appeared in the official FAA database. (Laval (Que), 7 September 2019, Jan Makkus)

Fairchild	C-119G	<b>10737</b>	N3003	Atterbury-Bakalar Air Museum, located in Columbus (IN), acquired this Flying Boxcar from B&G Industries. B&G owns a lot of vintage stuff from Hawkins and Powers at Greybull (WY). The airplane is expected to be moved to its new home for restoration and static display in early 2020. Bakalar AFB was the location of the 434th, where at one time about 35 C-119's were based. This will be their first full size airplane exhibit that represents a plane that was stationed at either the Atterbury Army Air Field or the Bakalar AFB. Let's hope the restoration reveals the true identity of this C-119, as there are still question marks about the correct construction number.
Grumman	S2(T)	<b>567</b>	F-ZBAP	Sécurité Civile, Tanker 12 had its undercarriage collapse during taxiing at Béziers on 8 September 2019. During the investigation the Sécurité Civile has grounded all Turbo Firecats. Tanker 12 was noted on jacks at Béziers on 15 September.
Lockheed	L-1649A	<b>1018</b>	N7316C	Lufthansa, the monthly update on this project! On 8 September the wings and fuselage departed Auburn (TX) and they were transported by road to the Port of Portland (MA) from where they were shipped to Bremen, Germany, where they arrived early October.
NAMC	YS-11	<b>2025</b>	PJ-WIK	Air Lekkerbek, former Heineken-bar at the island of St. Maarten, the bar that closed a few years ago. The fuselage of the ex-Win Air YS-11 was noted in the seaport of Philipsburg, the islands Dutch capital, ready to be sunk off the coast. Will become a future dive object.
PBY	-5A	<b>300</b>	N459CF	Collings Foundation, former Dutch Catalina PH-PBY now surfaced in the FAA register under N459CF. Date of registration 28 June 2019. However we have not found any sightings or images with the new registration.
	-5A	<b>CV333</b>	N315KM	Flew for the first time since 2006 near Athens, Greece. Reported early October 2019. Airplane is still up for sale, but now airworthy. Still painted in US Navy colours with code #-P-15.
Shorts	SC7	<b>1888</b>	N190WW	Win Win Aviation, famous Skyvan broker in the USA, has received ex GB Airways Skyvan from Ft. Lauderdale (FL), with former registration N80GB. GB Airways is about to close for business as the owner is going to retire. He is trying to sell his entire business; GB was operating three Twin Beeches and a Skyvan out of a warehouse at Ft Lauderdale International Airport (FL).

Several sources report Air Colombia at Villavicencio Colombia, owning three DC-3 airframes, ceased operations in September 2019.

Credits: Aad van der Voet, Michael Prophet, Ruud Leeuw, Neil Aird (DHC-2.com), Ralph Pettersen, (Conniesurvivors), online propliner and photo communities.

## Fokker News

F27	-050	<b>20244</b>	5Y-IZO	Silverstone Air Services. Crashed at Nairobi-Wilson Airport, Kenya, on 11 October, after it departed Mombasa earlier in the day. Check Dustpan & Brush for more details.
	-050	<b>20335</b>	C5-MAM	Tarco Air. Seen Salamat Datang 1 October, in all white colours. Was last seen in Tarco Air colours Pondok Cabe August 2017. We are not sure if it is still operating for Tarco Air?
F28	-0100	<b>11307</b>	5Y-SIA	Salaam Air Express, ex Ocean Airlines. A new airline has become active in Somalia. According to their website they operate domestic flights as well as connections to Nairobi. The Fokker is painted in 'full' company colours, meaning white with titles and a logo.
	-0100	<b>11324</b>	HB-JVH	Helvetic Airways. Seen at Bratislava 4 September in full Helvetic Airways colours, performing a test flight. Delivery to Down Under is getting closer.
	-0100	<b>11359</b>	VH-UQP	Alliance Airlines, ex OE-LVJ Austrian Airlines. Registered 17 August but still at Bratislava.
	-0100	<b>11365</b>	VH-FKF	Alliance Airlines. Arrived 1 September at Norwich for heavy maintenance.
	-0100	<b>11459</b>	VH-...	Alliance Airlines, ex HB-JVE Helvetic Airways. Left Bratislava 10 October on delivery to Australia, as SX11949.
	-0100	<b>11466</b>	VH-VKO	Alliance Airlines, ex HB-JVF Helvetic Airways. Registered 24 September, already arrived at Brisbane 9 September.
	-0100	<b>11484</b>	VH-FNY	Virgin Australia Regional Airlines. Repainted at Perth on 19 October into VARA colours and resumed



This nice picture of an EMB505 of Air Hamburg Private Jets was taken from the roof-terrace at Dusseldorf. Phenom 300 D-CROG was written into the German register in May this year. (15 September 2019, Gert Jan Mentink)

-0100 **11501** VH-VKQ  
 -0070 **11581** 5Y-JWF

service from there on 22 October. Was the last Fokker 100 flying in SkyWest colours.  
 Alliance Airlines, ex HB-JVC Helvetic Airways. Registered 8 October, already arrived at Brisbane 1 October.  
 Fly-Ade Airlines, ex Jetways Airlines. Another new Somalian airline.

Credits: Merv Crowe, Skyliner.

## Bizjets

BAe	125-800XP	<b>258575</b>	P4-JHT	Turns out P4-JHT is not ex OK-HWK but ex D-COLD. P4-JHT was noted at Hawarden on 10 July, but noted as D-COLD again on 15 August.
Cessna	525A	<b>0461</b>	G-ILBG	Catreus AOC, ex N792CB. Registered on 17 September.
	525B	<b>0312</b>	N377PL	Scarlet Fire, ex OE-GPK. Registered on 20 August.
	525C	<b>0161</b>	N335F	Textron Aviation, ex EC-MOQ. Registered on 21 August.
	560XLS+	<b>6221</b>	D-CPSH	Heron Aviation, ex T7-XLS. Noted at Bournemouth on 19 October.
	560XLS+	<b>6277</b>	D-CKJM	Air Hamburg, delivered on 2 October.
	650	<b>7085</b>	I-BNET	Aliserio, ex D-CLDF. Delivered in July.
	680	<b>0080</b>	C-FMCG	MCG Aviation, re-registered from C-FMCJ on 11 September.
	680	<b>0131</b>	HI1065	Helidosa Aviation Group, ex N247TA. Registered on 8 October.
	680	<b>0176</b>	C-FPSV	Private Air, ex N101CR. Registered on 5 September.
680	<b>0328</b>	N328TX	Textron Aviation, ex D-CAWS. Registered on 8 August.	



Quite a few Learjet operators worldwide use this type as a medical transport aircraft. One of them in Europe is Ducair / Luxembourg Air Rescue with a current fleet of six Learjet 45s, of which LX-EAA is one. (Antwerp, 11 August 2019, Walter Van Brempt)

Challenger	680+	<b>0528</b>	CC-DBK	Noted Santiago de Chile 22 September, ex N17EE.
	680+	<b>0557</b>	I-WALK	Compagnia Generale Ripresearee, ex N557SV. Noted at Vienna on 5 December 2018.
	680+	<b>0587</b>	D-CMLA	ASECNA, ex N868WT. Noted at Düsseldorf on 31 August.
	680A	<b>0220</b>	OM-LAT	Noted at Bratislava on 7 October.
	300	<b>20030</b>	G-XATV	Arena Aviation, ex N430SK. Registered on 10 October.
	300	<b>20141</b>	N52JT	Televantos Holdings, re-registered from N92JT on 21 August.
	300	<b>20309</b>	N606RP	Nestle Purina Petcare, re-registered from N80HX on 26 August.
	350	<b>20620</b>	N235GF	Law Force, ex C-FFIK. Registered on 27 October.
	350	<b>20747</b>	N21FR	Flying Fox, re-registered from N23FR on 6 August.
	350	<b>20787</b>	N960CR	Village Transport, re-registered from N350LM on 22 August.
	350	<b>20790</b>	N468CE	Sovereign of the Sky, re-registered from N350MK on 8 August.
	350	<b>20805</b>	I-FORZ	Sirio, ex C-GOYN. Noted at Glasgow on 18 July.
	350	<b>20807</b>	N703QS	NetJets, ex C-GOXX. Registered on 8 August.
	350	<b>20808</b>	C-GLOI	Bombardier, re-registered from C-GOXX on 6 September.
	350	<b>20809</b>	N705QS	NetJets, ex C-GOXX. Registered on 21 August.
350	<b>20811</b>	N480CB	Bombardier Aerospace, ex C-GOYL. Registered on 16 August.	
600S	<b>1080</b>	9S-CRD	Noted Lanseria on 24 May, ex 9Q-CRD.	
604	<b>5396</b>	C-GVML	Execaire, re-registered from C-GKTO on 29 July.	
604	<b>5534</b>	VH-OFB	Spa Leasing No 4, ex A37-002. Registered on 3 September.	
604	<b>5587</b>	N322LV	Big Rapids Products Aviation, re-registered from N64UC on 22 August.	
650	<b>6140</b>	N488CR	Lasai Aviation, re-registered from N650SM on 2 August.	
Cirrus	SF50	<b>0120</b>	2-FEEL	Noted at Groningen on 11 October, ex N123GZ.
Eclipse	EA500	<b>000061</b>	N434MT	Reregistered from N337CJ on 8 October.
	EA500	<b>000212</b>	N715JK	Ex N212EA, reregistered on 1 October.
Embraer	550	<b>55000042</b>	N895CA	Former G-SUEJ of Saxonair Charter Ltd. was sold to Dakota Air LLC.
Falcon	7X	<b>11</b>	OE-ISX	International Jet Management, ex 9H-SXT. Registered in October.
	7X	<b>28</b>	C-GWKW	Skyservice Business Aviation, ex N728GH. Registered on 29 July.
	7X	<b>113</b>	C-GKTO	Execaire, re-registered from C-GJVL on 11 September.
	8X	<b>455</b>	VQ-BXG	Shell Aircraft, ex F-WWZS. Noted at Rotterdam on 26 August.
	900	<b>59</b>	N429TA	Team Aero, ex TR-AFR. Registered on 26 August. Will likely be parted out at Olathe (KS).
	900B	<b>107</b>	N900SB	BG Air, re-registered from N71GK on 16 August.
	900EX	<b>128</b>	N167AT	Noted at Van Nuys (CA) on 12 September, ex N1SA.
	900DX	<b>622</b>	N942SS	TVPX Aircraft Solutions, ex M-DADI. Registered on 19 August.

	2000	<b>121</b>	M-ZLAM	District One, ex M-SFOZ. Registered on 17 September.
	2000EX	<b>1</b>	N3278	Peregrine Falcon, re-registered from N900CH on 22 August.
	2000LX	<b>166</b>	N1661S	Agrilease, ex HS-RBR. Registered on 12 August.
	2000LXS	<b>280</b>	N56AR	Bank of Utah, ex PT-FKY. Registered on 7 August.
	2000LXS	<b>354</b>	N613CS	Dassault Falcon Jet, registered on 16 August.
	2000S	<b>746</b>	N719MC	Dassault Falcon Jet, ex F-WWGW. Registered on 26 August. Registered to CDM Leasing on 25 September.
Global	Express	<b>9101</b>	N117FK	Ex VH-VDX of Pratt Aviation, registered in the USA on 15 October.
	Express	<b>9139</b>	N764DB	Registered on 1 October. Ex M-GLEX, which was deregistered on 27 September.
	XRS	<b>9256</b>	N219GX	Registered on 3 October. Ex OE-ICN of Global Jet Austria.
	5000	<b>9269</b>	N244BC	Registered on 2 October. Ex OE-IBC of Int'l Jet Management.
	5000	<b>9453</b>	N886BP	Reregistered on 2 October, ex N453JG.
	5000	<b>9501</b>	N699WT	Exported to China on 15 October, ex N699WT.
	5000	<b>9531</b>	N176VR	Ex N176HS, changed on 2 October. Still with Netjets.
	6000	<b>9716</b>	B-	Exported to China on 15 October, ex N788ZJ of Zetta Jet.
	5000	<b>9852</b>	N321WA	Delivered to Bombardier on 24 September, ex C-GBYK.
	6000	<b>9835</b>	N916MM	Ex N835GL, reregistered on 2 October.
Gulfstream	6000	<b>9849</b>	PT-RBZ	Exported to Brazil on 2 October, now with Fly and Fun Táxi Aéreo.
	7500	<b>70013</b>	D-ASCP	Delivered to K5 Aviation in October, ex C-FBX which was cancelled on 30 September.
	III	<b>338</b>	N338UA	Universal Aviation Systems, re-registered from N540EA on
	IV	<b>1103</b>	N1103R	Avire, ex C-FHPM. Registered on 2 August.
	IV	<b>1206</b>	N28DJ	Dumont Aircraft Charter, re-registered from N315MK on 20 August.
	IVSP	<b>1250</b>	N287GL	Goal Aircrafts, ex XA-KTX. Registered on 25 September.
	IVSP	<b>1426</b>	N927JA	Journey Aviation, re-registered from N426VR on 21 August.
	G450	<b>4009</b>	N43XT	Wonderwings, re-registered from N885AR on 19 August.
	G450	<b>4113</b>	PP-WMS	Noted Zürich on 12 October, ex D-AGVS.
	G450	<b>4120</b>	N455KH	Regian Services, re-registered from N550WT on 8 August.
IAI	G450	<b>4166</b>	N416JC	TVPX ARS, ex VP-CET. Registered on 14 August.
	G450	<b>4242</b>	N714AA	Chasing Tails, ex B-8251. Registered on 25 July.
	V	<b>557</b>	YV3443	Raúl Gorrin Belisario, ex N833E. Noted at Santo Domingo-La Isabela in September.
	G550	<b>5013</b>	N60HS	Melvin Simon & Associates, re-registered from N63HS on 19 August.
	G550	<b>5286</b>	N600JD	Deere & Co., re-registered from N83CP on 21 August.
	G550	<b>5388</b>	T7-YMF	Former B-LMF, registered in October.
	G550	<b>5588</b>	N198RL	TVPX Aircraft Solutions, ex N588GA. Registered on 13 August.
	G550	<b>5590</b>	OE-ILN	Avcon Jet, ex N590GA. Registered in September.
	G650	<b>6046</b>	N888XM	Nexus Flight Operations, re-registered from N650JK on 16 August.
	G650	<b>6322</b>	OE-IKA	MJet, ex T7-IIA. Noted at Vienna on 20 October.
Learjet	G650ER	<b>6374</b>	N652GB	American Express, ex N674GA. Registered on 26 July.
	G650ER	<b>6378</b>	HL8372	SK Holdings, ex N678GD. Registered on 24 August.
	G650	<b>6380</b>	XA-CLR	Aerofrisco, ex N680GA. Delivered to Toluca on 18 September.
	G650ER	<b>6381</b>	VP-CTL	WHZ, ex N681GD. Registered on 21 August.
	1124	<b>192</b>	N819RC	Registration expired on 5 October.
	1124A	<b>306</b>	N123EG	Registration expired on 5 October.
	1124A	<b>346</b>	XA-	Sold to Mexico on 24 September, ex N610SE.
	G150	<b>257</b>	N469DM	Registered on 8 October, ex XA-ADR of Fly-Mex.
	G200	<b>75</b>	N366FB	Reregistered from N365CX on 18 October.
	G200	<b>107</b>	N811WK	Ex N311WK, changed on 2 October.
Pilatus	45	<b>45-148</b>	D-CQAC	Former N33NJ of National Jets Inc. was sold to Quick Air Jet Charter GmbH.
	45	<b>45-2078</b>	N930CC	Former I-GOCO of Sirio SpA was sold to Carlock Air LLC.
Pilatus	PC-24	<b>148</b>	N148SV	Former HB-VUW of Pilatus Flugzeugwerke was sold to Pilatus Business Aircraft Ltd. in the US in October.
	PC-24	<b>150</b>	N240JJ	Former HB-VUY of Pilatus Flugzeugwerke was sold to Pilatus Business Aircraft Ltd. in the US in September.
	PC-24	<b>151</b>	HB-VUZ	Registered to Pilatus Flugzeugwerke in August.
	PC-24	<b>152</b>	HB-VZA	Registered to Pilatus Flugzeugwerke in August.
	PC-24	<b>154</b>	HB-VZC	Registered to Pilatus Flugzeugwerke in August. Later sold as:
	PC-24	<b>154</b>	N145AF	to Pilatus Business Aircraft Ltd. in the US in August.
	PC-24	<b>159</b>	HB-VZH	Registered to Pilatus Flugzeugwerke in August.
	PC-24	<b>159</b>	D-CJBH	Former HB-VZH of Pilatus Flugzeugwerke was sold to an unknown operator in Germany in August.

## Bizprops

Beech	200GT	<b>BY-139</b>	N597VF	Ex M-WATJ of Saxonhenge Ltd. was sold to TVPX Aircraft Solutions Inc.
	200GT	<b>BY-172</b>	CS-NFX	Ex D-ILAH of Anton Häring KG was sold to an unknown operator in Portugal.
Cessna	208B	<b>0548</b>	EC-MZA	Skydive Madrid, ex F-HOJB. Registered in June 2018.
	208B	<b>5525</b>	D-FALL	Delivered in September.
Piaggio	401B	<b>0206</b>	N175KB	Space Imaging Middle East, based at Kiewit (Belgium) since June 2018.
	P180	<b>1018</b>	N180AV	Was (to be?) sold to Mexico, but on 27 September again/still N180AV.
Pilatus	PC-12/47	<b>732</b>	N732PC	Ex T7-AMS, new operator in the US now known as Harding Capital LLC, addition to Scramble 485 – Page 40.
	PC-12/47E	<b>1897</b>	N897NG	Former HB-FQB of Pilatus Flugzeugwerke was sold to Pilatus Business Aircraft Ltd. in the US in September.
	PC-12/47E	<b>1899</b>	HB-FQC	Registered to Pilatus Flugzeugwerke 5 August.
	PC-12/47E	<b>1900</b>	HB-FQD	Registered to Pilatus Flugzeugwerke 5 August.
	PC-12/47E	<b>1901</b>	HB-FQE	Registered to Pilatus Flugzeugwerke 6 August.
	PC-12/47E	<b>1902</b>	HB-FQF	Registered to Pilatus Flugzeugwerke 12 August.
PC-12/47E	<b>1903</b>	HB-FQG	Registered to Pilatus Flugzeugwerke 13 August. Later sold as...	



Shortly after a rain shower this PC-12/47E of OK Aviation Wings, with registration OK-PCF, was pictured at Antwerp. The bright colour scheme of this aircraft compares favourably with the grey sky in the background. (Antwerp, 12 August 2019, Walter Van Brempt)

		N648JS	...to Pilatus Business Aircraft Ltd. in the US in September.
	PC-12/47E 1904	HB-FQH	Registered to Pilatus Flugzeugwerke 19 August.
	PC-12/47E 1905	HB-FQJ	Registered to Pilatus Flugzeugwerke 21 August. Later sold as...
		N42NP	...to Pilatus Business Aircraft Ltd. in the US in October.
	PC-12/47E 1906	HB-FQK	Registered to Pilatus Flugzeugwerke 27 August.
	PC-12/47E 1907	HB-FQL	Registered to Pilatus Flugzeugwerke 28 August. Later sold as...
		N595LA	...to Pilatus Business Aircraft Ltd. in the US in October.
	PC-12/47E 1908	HB-FQM	Registered to Pilatus Flugzeugwerke 30 August.
	PC-12/47E 1943	HB-FXT	Registered to Pilatus Flugzeugwerke.
Piper	46-500TP 4697194	F-HPBJ	Jerome Pariselle, ex N918SF. Registered on 3 July 2018.
	46-500TP 4697656	D-FCOB	Noted at Erfurt on 15 June, ex N70118.
	46-600TP 4698106	G-PMCM	Executive Light Aircraft Leasing, registered on 12 September.
Mitsubishi	Mu-2B-60 1515SA	OK-MOO	Former D-ICOW of Fly-Point Flugservice Haufe was sold to Ostseeflug Air Charter in April.

## Soviet Updates

Go to the Soviet Transports database on the Scramble website for full known histories, including extensive info on crashes, colour schemes et cetera. To get the most from this extensive database (some 140,000 records) consider using the advanced search options.

Near the bottom of the same page (Soviet Transport database on [www.scramble.nl](http://www.scramble.nl)) is a link to the Soviet Transports downloads page at the new and expanding [AirHistory.net](https://www.airhistory.net) website (<https://www.airhistory.net/info/soviet.php>). On the 'reference' tab on this site there you can find a sub-page 'Soviet Transport Data Files' and there you can find;

- free downloadable known production lists of the almost 250 types included in the 'Soviet Transports' database,
- these productions lists also include all known military transport aircraft and all known military Kamov and Mil helicopters,
- a list of western-built aircraft which saw service in the Soviet Union and the Eastern Block (excl. modern types)
- a list of all RF- registered aircraft including other types like Western-built aircraft and Soviet/Russian-built fighters,
- an illustrated explanation to construction numbers used on 'Soviet Transports' types,
- a list of abbreviations, English to Russian translations and the official and unofficial location codes used in the ST files,
- a Google Earth KMZ file with all airports in the Soviet Transports database.

This free service replaces an eventual new edition of the Soviet Transports book which nowadays would simply be too expensive to produce. This as a total rundown of all files in early 2019 shows a new book would equate over 1,800 pages, where it to be published in the same format, A4 with a small letter type.

An-2T	1 15 473 07	CCCP-04270	AFL/Krasnoyarsk	dbr	31may62	suffered from icing and crashed near Nadezhda airport
An-2T	1 18 473 09	CCCP-X131	MVD - Gidroproekt	rgd	08apr52	became CCCP-L5653 rgd 14dec55
An-2Skh	1 52 473 03	CCCP-05614	AFL/Uzbekistan	dbr	12oct62	crashed when an intoxicated pilot took control
An-2T	1 70 473 04	CCCP-01236	AFL/Yakutiya	dbr	21dec60	landed on wheels on snow and nosed over
An-2T	1 70 473 09	CCCP-01245	AFL/Urals	dbr	13dec60	took off without proper de-icing and crashed on take-off
An-2Skh	1 84 473 05	CCCP-07976	AFL/Krasnoyarsk	w/o	19oct62	CFIT in poor weather conditions
An-2T	1111 473 18	RF-00392	DOSAAF	Prm	14aug19	derelict, in yellow c/s and without titles
An-2T	1133 473 07	CCCP-35411	AFL/Ukraine	dbr	18nov62	CFIT in poor weather conditions
An-2T	1143 473 07	CCCP-33134	AFL/Uzbekistan	dbr	28sep62	on a crop-spraying flight near Khiva
An-2T	1G118-50	RF-90554	Russian Air Force	Che	2018	coded "01" yellow
An-2T	1G196-16	RF-00383	DOSAAF Rossii	photo	16jun16	l/n in Dagestan 28sep18, active
An-2	---	UR-ZUA	all white, n/t	photo	2019	to be supplied to the Firnas Aeroclub, Iraq
An-12BK	8 34 56 04	UR-CAH	Ukraine Air Alliance	w/o	04oct19	crashed short of Lviv runway due to fuel starvation
An-12BK	8 34 60 03	RF-95428	Russian Air Force	SVX	10oct19	belly landed as crew forgot to extend the landing gear
An-24RV	0 73 066 08	RA-47295	Turukhan	ARH	01oct19	all white with just UTair titles

An-26	<b>39 07</b>	"01" blue	Ukraine Air Force	IEV	25sep19	still at Zavod No.410 GA, freshly painted after overhaul
An-26	<b>104 04</b>	7706	Sudanese Air Force	w/o	03oct18	at KRT after being hit from behind by an An-32
An-26	<b>133 07</b>	SP-401	South Sudan Air Force	dam	16oct19	overran the runway on landing at Yambio; ex 7715
An-72	<b>365 720 20 385</b>	EK-72903	South Airlines	w/o	10oct19	crashed near Kole village, Sankuru Province
An-72-100D	<b>365 720 30 425</b>	EK-72425	Mars Avia	rgd	26jun18	f/n 29oct18 at Ndjili in DR Congo; canx 15may19
An-74D	<b>365 470 98 969</b>	RA-74015	Jet 2000	BGO	22sep19	no titles; l/n GVA 30sep19
An-124-100	<b>977305 3 8 32057</b>	RF-82034	Russian Air Force	h/o	06sep19	after overhaul and ferried ULY/Seshcha the same day
UKa-15	<b>15 99 09-08</b>	CCCP-Sh0366	AFL/Northern	toc	01feb58	became CCCP-30166; suffered severe structural damage due to ground resonance
Ansats-GMSU	<b>33 126</b>	no reg	Vertolyoty Rossii	ZIA	24aug19	line # 126; l/n ZIA 30aug19
L-410UVP-E	<b>86 17 02</b>	9S-GPK	no titles	GOM	03jul19	c/n now known, ex YU-SDI
L-410UVP-E20	<b>19 32 11</b>	OK-JRO	Aircraft Industries	d/d	07oct19	left UHE and arrived Baku 10oct19, for Zhez Air
L-410UVP-E20	<b>32 18</b>	OK-JDA (2)	Aircraft Industries	rgd	10sep19	
L-410UVP-E20	<b>32 19</b>	OK-JDD (2)	Aircraft Industries	rgd	27sep19	
Li-2	<b>184 271 04</b>	CCCP-71289	AFL/Sykytyvkar	w/o	07mar56	on take-off, details unknown; t/t 2,364
Li-2	<b>184 300 09</b>	CCCP-L4532	AFL/Kazakhstan	w/o	16oct50	hit power lines on 7th go-around at Alma-Ata in fog
Li-2	<b>184 301 10 ?</b>	CCCP-L4545	AFL/Northern	w/o	06oct49	stalled at and made a wheels-up landing
Li-2T	<b>184 302 01</b>	CCCP-L4546	AFL/Ukraine	mfd	aug48	converted to a cargo/passenger version
Li-2	<b>184 305 05</b>	CCCP-84574	AFL/Yakutiya	w/o	06dec61	stalled on take off from Yakutsk
Li-2	<b>184 320 03</b>	CCCP-L4592	AFL/Northern	dbf	05oct50	when touched the ground on approached ROV in fog
Li-2T	<b>184 362 01</b>	CCCP-04223	Polyarnaya Aviatsii	rgd	22may58	confirmed in document confirming ex CCCP-N470
Li-2	<b>184 389 03</b>	CCCP-71232	AFL/Northern	dbf	15feb61	suffered from severe icing and landed off airport
Li-2	<b>2 34 420 09</b>	CCCP-71259	AFL/Northern	dbf	17dec62	CFIT on approach Arkhangelsk-Kegostrov
Li-2	<b>36 09</b>	CCCP-84629	AFL/Far East	dbf	29aug60	suffered severe structural damage at Shakhtyorsk
Li-2	<b>42 09</b>	CCCP-84633(1)	AFL/Far East	dbf	19nov59	suffered severe structural damage and later corrosion
Li-2	<b>67 07</b>	CCCP-84685	AFL/East Siberia	dbf	30mar62	crashed shortly after take-off Kirensk
Av-14(P)	<b>007 601107</b>	CCCP-61610	AFL/Ukraine	dbf	23jan61	on approach Kiev, dropped below the glide path in fog
Av-14(M)	<b>049 704112</b>	CCCP-52062	AFL/Azerbaijan	dbf	09oct62	overran the on landing Grozny
Il-14M	<b>14700 14 10</b>	CCCP-91536	AFL/Lithuania	dbf	13jun62	on landing Odessa that the landing gear collapsed
Il-76MD	<b>00734 80406</b>	RF-76762	Russian Air Force	Kub	20aug19	Aeroflot type c/s, no titles; Russian flag on tail
Il-76MD	<b>10034 05167</b>	UP-I7652	Jupiter Jet	no	reports	reported by ATDB; ex EW-449TH
Il-76TD	<b>10334 18596</b>	UP-I7650	Azee Air	rgd	jul18	details from Ilyushin.org; ex ER-IAY
KJ2000	---	30574	Chinese Air Force	photo	01oct19	took part in the fly-past over Beijing
Il-78M-90A	<b>02-03</b>	78658	OAK	f/f	..oct19	
Mi-1NKh	<b>7 68 000 05</b>	not known	MAP zavod # 329	trf	07jun57	suffered from ground resonance anf became a GIA
Mi-1T	<b>8 68 006 02</b>	CCCP-40426	AFL/Yakutiya	dam	03jul60	details ?, suffered structural damaged on recovery
Mi-1T	<b>8 68 006 06</b>	CCCP-40427	AFL/East Siberia	dbf	29jan60	on n autorotation landing
Mi-1M	<b>8 68 008 15</b>	CCCP-40457	AFL/Northern	dbf	26may60	details unknown
Mi-1T	<b>6 7 023 06</b>	CCCP-10136	AFL/Northern	w/o	12jan61	collided with the ice on Dvina Bay, sank to the sea floor
Mi-2	<b>53 4736 046</b>	no code	ROSTO	ovt19		tailboom for instruction Southern Urals State University
Mi-2MSB-1	<b>5210001 106</b>	UR-MSM	Motor Sich	rgd	11feb19	to R.O. Dorodnykh of Zaporizhzhya; f/n Kiev 10oct19
Mi-4A	<b>07 58</b>	CCCP-04308	AFL/Northern	dbf	25jun61	on an unauthorised flight with an intoxicated pilot
Mi-4A	<b>01 76</b>	CCCP-66825	AFL/North Kavkaz	dbf	10jun61	flew too low, crew did not duly co-ordinate their actions
Mi-4VP	<b>10 92</b>	CCCP-19131	AFL/Azerbaijan	dbf	13jul63	crashed when caught by a strong downstream
Mi-4	<b>16 78</b>	CCCP-66862	AFL/Far East	dbf	jun60	dbf during to PKC jun60; t/t only 37 hours
Mi-4A	<b>15 84</b>	CCCP-66902	AFL/Uzbekistan	dbf	11aug61	on an unauthorised flight when tried to land off airport
Mi-4A	<b>13 97</b>	CCCP-19182	AFL/Kyrgyzstan	dbf	30jul60	details unknown, no casualties; t/t 33 hours
Mi-4VP	<b>15 108</b>	CCCP-19234	AFL/Sykytyvkar	dbf	02apr62	crew lost spatial orientation due to snow vortex
Mi-6	<b>568 20 04V</b>	no code	Russian Air Force	photo	apr19	in the AvtoVAZ tech. museum Togliatti; c/n now known
Mi-8T	<b>47 78</b>	no code	Russian Air Force	photo	sep19	at Omsk-Svetly hulk used for ground parachute training
Mi-8P	<b>86 06</b>	LZ-CAR	United Nations/WFP	KRT	07feb15	canx between 30jul19 and 12sep19



Some military spotters are also interested in any civil aircraft with a military past. These spotters should look out for this An-26 UR-UZF as it was originally delivered as S3-ABC/5802 to the Bangladesh Air Force back in 1977. It has served with various owners since and is now owned and operated by Constanta. (Brussels, 24 September 2019, Yannick van Praag)

Mi-8MT	9 3104	6104	Polish Army	dbr	03oct19	when rolled over onto its left side on landing at Leznica
Mi-8MT	9 3966	not known	Russian Air Force	photo	13apr16	offered for sale by Avito of Yekaterinburg
Mi-8MTV	9 5238	"638"	Ukraine Air Avn	w/o	29may19	crashed in a forest near Sestryatyn; c/n now known
Mi-8T	9 85 20259	RA-22916	Kamchatskiye Avialinii	OVB	22oct19	in red c/s
Mi-8AMT	8AMT00643187735U	RA-24649(2)	Volgodonsk Air Enterprise	MMK	09oct19	
Mi-171A2	171A02356170104U	"704" black	UUAZ	Uue	aug19	for India
Mi-17A2	171A02398170109U	UP-MI710	Berkut	TSE	20sep19	'Qazaqstan' (new spelling) titles; c/n now known
Mi-8MTV-5	---	RF-04444	Russian Air Force	VVO	05sep19	coded "60" or "68" yellow
Mi-8PS-7	---	RF-17563(2)	Rosgvardiya	OVB	07oct19	in basic Rossiya c/s, no titles; see c/n 94871
Mi-8AMTSh	---	RF-24753	Russian Air Force	Rzd	12sep19	coded "33" white
Mi-8AMTSh	---	RF-28501(2)	FSB	OMS	aug19	
Mi-17V-5	---	LH951722	Chinese Army	photo	01oct19	opb 81st Brigade at Tongxian
Mi-171E	---	LH972735	Chinese Army	photo	01oct19	ex LH927xx; opb 77th Brigade
Mi-17V-5	---	12493 & 12495	Serbian Air Force	BJY	19oct19	
Mi-8MSB-V	---	"43" black	Ukrainian Navy	h/o	sep19	the first Mi-8MSB-V operated by the Ukrainian Navy
Mi-171E	---	8432	Vietnam Air Force	DNG	01oct19	with 'Khong Quan Viet Nam' titles
Mi-24V	353 242 18 09163	not known	Ukraine Army Aviation		04feb10	sold to ZAO "Aviakom" and sat at Petrovskoye
Mi-24V	353 242 39 13299	not known	Ukraine Army Aviation		04feb10	sold to ZAO "Aviakom" and sat at Petrovskoye
Mi-24V	353 242 39 13357	not known	Ukraine Army Aviation		2010 ?	sold to ZAO "Aviakom" and sat at Petrovskoye
Mi-24V	353 242 10 14162	"49"	Ukraine Army Aviation		04feb10	sold to ZAO "Aviakom" and sat at Petrovskoye
Mi-24V	353 242 32 18764	no code	Russian Air Force	photo	24jul19	preserved at Skver Voinam-internationalistam, Yelets
Mi-24K	353 201 39 13328	"41" white	Belarus Air Force	Mmu	09may15	c/n now known
Mi-24P	353 243 28 25894	"100" red	Soviet Army Aviation	Kho	aug89	seen without code Kubinka 19aug89
Mi-24D	110 164	96+28	German Army		jul19	imported into Ukraine
Mi-24D	110 165	96+07	German Army		jul19	imported into Ukraine
Mi-24	---	685	Algerian Air Force	photo		should have become SB-85 after 1986
Mi-24V	---	125	Afghan Air Force	h/o	15oct19	at KBL; bought by India in Belarus and donated to AAF
Mi-24V	---	126	Afghan Air Force	h/o	15oct19	at KBL; bought by India in Belarus and donated to AAF
Mi-35P	---	HS-7153	Indonesian Army	photo	03oct19	at Jakarta Pondok Cabe airport
Mi-26T	34001212623	RA-06255	Skol	photo	22sep19	active in the Tyumen region 6733
Mi-26	---	"71" red	Russian Air Force	Ror	02oct19	orange c/s with blue cheatline and trim and Russ. stars
RRJ-95B	95 194	89131	primer	ff	24sep19	
RRJ-95B	95 195	89132	primer	ff	04oct19	
RRJ-95	95 196	97021	primer	ff	15oct19	
Tu-154B-2	78A280	RA-85280(1)	Sayany		14oct19	towed from Chita-Kadala to the "Raduga" 's zoo, Chita
Tu-204-100	145074 2 2 64032	RA-64032	Cainiao Logistics	VKO	01oct19	blue colour scheme, large titles; l/n VKO 12oct19
Tu-214PU	448 11 031	RA-64531	Rossiya	UFA	02oct19	full colours
Yak-12	464 50 17	CCCP-I126	MOP zavod # 1	rgd	01oct50	became CCCP-I879
Yak-12	464 50 20	CCCP-X989	MVD - Gidroproekt	rgd	19oct50	became CCCP-X1110
Yak-12	464 50 21	CCCP-X990	MVD - Gidroproekt	rgd	19oct50	became CCCP-L990
Yak-12	464 50 22	CCCP-X991	MVD - Gidroproekt	rgd	19oct50	became CCCP-X1112 and later CCCP-L242
Yak-12	464 50 23	CCCP-X992	MVD - Gidroproekt	rgd	19oct50	
Yak-12	464 50 24	CCCP-X993	MVD - Gidroproekt	rgd	19oct50	became CCCP-X1113 and later CCCP-L982
Yak-12R	08 4 06	CCCP-L5842	AFL/North Kavkaz	no	reports	became CCCP-07842 rgd 29may58
Yak-12R	08 4 31	CCCP-L5856	AFL/Kyrgyzstan	no	reports	became CCCP-07856 rgd 15may58
Yak-12R	08 4 32	CCCP-L5857	AFL/Kyrgyzstan	no	reports	became CCCP-07857 rgd 15may58
Yak-12R	12 4 25	CCCP-L5799	AFL/Kyrgyzstan	no	reports	became CCCP-05799 rgd 15may58
Yak-12R	13 4 28	CCCP-T5964	AFL/Kyrgyzstan	no	reports	became CCCP-95964 rgd oct58
Yak-12R	13 4 31	CCCP-T5966	AFL/North Kavkaz	no	reports	became CCCP-95966 rgd 29may58
Yak-12M	02 5 19	CCCP-L5720	AFL/North Kavkaz	no	reports	became CCCP-05720 rgd 29may58
Yak-12M	02 5 20	CCCP-L5724	AFL/North Kavkaz	no	reports	became CCCP-05724 rgd 29may58
Yak-12M	02 5 30	CCCP-L5733	AFL/Kyrgyzstan	mfd	28nov55	became CCCP-05733 rgd 15may58 and cr. 08oct63
Yak-12M	04 5 17	CCCP-L5994	AFL/North Kavkaz	no	reports	became CCCP-95994 rgd 29may58
Yak-12M	04 5 18	CCCP-L5990	AFL/North Kavkaz	no	reports	became CCCP-95990 rgd 29may58
Yak-12M	04 5 35	CCCP-L5777	AFL/North Kavkaz	no	reports	became CCCP-05777 rgd 29may58
Yak-12M	08 5 39	CCCP-L4147	AFL/Kyrgyzstan	no	reports	became CCCP-74147 rgd 15may58
Yak-12M	09 5 23	CCCP-74167	AFL/Privolzhsk	dbr	15feb61	climbing in white-out conditions, fell back to the ground
Yak-12M	09 5 36	CCCP-L4171	AFL/Kyrgyzstan	no	reports	became CCCP-74171 rgd 15may58
Yak-12M	12 5 21	CCCP-L4273	AFL/Kyrgyzstan	no	reports	became CCCP-14273 rgd 15may58
Yak-12M	12 5 27	CCCP-L4281	AFL/Kyrgyzstan	no	reports	became CCCP-14281 rgd oct58
Yak-12M	12 5 29	CCCP-14283	AFL/Moscow SPiMVL	dbr	05jun61	on a crop-spraying flight in the Ryazan region
Yak-12M	12 5 30	CCCP-L4287	AFL/Kyrgyzstan	no	reports	became CCCP-14287 rgd 15may58
Yak-12M	20 5 08	CCCP-Sh501	AFL/Buguruslan FS	no	reports	became CCCP-62501; dbr 17mar61
Yak-12M	20 5 33	CCCP-T622	AFL/Kyrgyzstan	no	reports	became CCCP-62622 rgd 15may58
Yak-12M	21 5 13	CCCP-T690	AFL/Lithuania	no	reports	became CCCP-62690 rgd 14may58
Yak-12M	21 5 34	CCCP-L704	AFL/Armenia	no	reports	became CCCP-72704 rgd 09may58; dbr 24jun62
Yak-12M	22 5 25	CCCP-L771	AFL/Kyrgyzstan	no	reports	became CCCP-72771 rgd 15may58
Yak-12M	25 5 03	CCCP-K719	AFL/Lithuania	no	reports	became CCCP-72719 rgd 14may58
Yak-12M	7 12 7 122	CCCP-L888	AFL/Georgia	no	reports	became CCCP-07888 rgd apr58; destroyed by a hurricane 11aug60
Yak-12M	8 12 7 191	CCCP-T613	AFL/Armenia	no	reports	became CCCP-62613 rgd 09may58
Yak-12M	9 8 225	CCCP-L2659	AFL/Kyrgyzstan	no	reports	became CCCP-62659 rgd oct58
Yak-12M	12 8 449	CCCP-22296	AFL/Lithuania	dbr	28apr61	flew unauthorised manoeuvres and crashed
Yak-12M	13 8 518	CCCP-22339	AFL/Northern	w/o	11apr62	after landing on the ice of lake Onega when broke through the ice and sank
Yak-12M	16 9 659	CCCP-21123	AFL/Ukraine	dbr	20jul60	on a crop-spraying flight probably in the Lvov region

Yak-12A	<b>02 6 06</b>	CCCP-40785	AFL/Lithuania	dbr	05jun61	on a crop-spraying flight when flew a steep turn
Yak-12A	<b>03 6 03 ?</b>	CCCP-22409	AFL/Yakutiya	dbr	31jul59	crashed, encountered dense smoke from forest fires
Yak-12A	<b>04 6 09</b>	CCCP-90553	AFL/Northern	dbr	18nov62	took off without having been duly cleared from ice
Yak-12A	<b>05 6 14</b>	CCCP-90597	AFL/East Siberia	dbr	21oct62	when took off with a big propeller pitch so lost speed
Yak-12A	<b>05 6 21</b>	CCCP-90604	AFL/North Kavkaz	w/o	03may61	caught by strong gust of wind shortly after touch-down
Yak-12A	<b>06 6 10</b>	CCCP-90633	AFL/Kazakhstan	dbr	21mar63	at Dzhambul, was destroyed by a storm
Yak-12A	<b>07 6 06</b>	CCCP-90664	AFL/Privolzhsk	dbr	17mar61	on an ambulance flight from Adamovka
Yak-12A	<b>07 6 19</b>	CCCP-90676	AFL/Uzbekistan	dbr	07aug61	when the engine failed shortly after take-off
Yak-12A	<b>10 6 10</b>	CCCP-40765	Aeroflot	dbr	08sep59	details unknown, no casualties; t/t 264 hours
Yak-12A	<b>11 6 35</b>	CCCP-72660	AFL/Tajikistan	dbr	16feb61	when took off with a big propeller pitch so lost speed
Yak-12A	<b>2 9 019</b>	CCCP-44290	AFL/Georgia	dbr	15jun60	caught by downstream, collided with a mountain slope
Yak-12A	<b>2 9 021</b>	CCCP-44292	AFL/Georgia	dbr	17jun60	flew below safe altitude, collided with a mountain slope
Yak-12A	<b>2 9 045</b>	CCCP-44317	Aeroflot	dbr	31jul60	when ended up in the water, details unknown
Yak-12M	---	CCCP-L4278	AFL/Tajikistan	w/o	23jun57	on a crop-spraying flight
Yak-40	<b>9 21 18 21</b>	UR-VIP	VIPOS	KBP	16apr19	gone by sep19, scrapped ?
Yak-40	<b>9 43 09 36</b>	RA-87452	Amurskiye Avialinii	photo	07aug19	flown under a from Blagoveshchensk to Fregat; pres.d in the Far Eastern Aerospace Museum at Ivanovka
ARJ21-700	<b>121</b>	B-603N	Chengdu Airlines	h/o	08aug19	in 90 passenger configuration
ARJ21-700	<b>124</b>	B-603Q	Chengdu Airlines	h/o	28sep19	and ferried from NTG to CTU the same day
ARJ21-700	<b>125</b>	B-605C	Zhongfei	h/o	30sep19	in 90 passenger configuration
C-919	<b>10 05</b>	B-001F	COMAC	f/f	24oct19	
H6K	<b>0 24 67</b>	41075	Chinese Air Force	photo	30jul17	l/n oct19; c/n now known
H6K	<b>0 24 78</b>	41177	Chinese Air Force	photo	01oct19	over Beijing; c/n now known
H6K	---	41276	Chinese Air Force	CGQ	13oct19	
H6N	<b>24 N 005</b>	55032	Chinese Air Force	photo	22sep19	and over Beijing 01oct19
H6N	<b>24 N 006</b>	55033	Chinese Air Force	photo	22sep19	and over Beijing 01oct19
H6	---	10790	Chinese Air Force	photo	22sep19	took part in the fly-past rehearsal over Beijing
HYJ7	---	1323/33	Chinese Air Force	CGQ	13oct19	bomber trainer with an extra seat in a huge blister
KJ200	<b>23 18 01</b>	9421	Chinese Navy	photo	01oct19	over Beijing; only "42" on the nose; c/n now known
Y9JZ	<b>31 18 01</b>	9211	Chinese Navy	photo	01oct19	over Beijing; only "21" on the nose; c/n now known
Y8G	<b>40 18 02</b>	30018	Chinese Air Force	photo	01oct19	over Beijing; c/n now known
Y9G	<b>40 18 04</b>	31017	Chinese Air Force	photo	01oct19	over Beijing; c/n now known
KJ500	<b>47 18 05</b>	30170	Chinese Air Force	photo	01oct19	over Beijing; c/n now known
KJ500H	<b>48 18 02</b>	not known	Chinese Navy	photo	01oct19	over Beijing; only "04" on the nose
Y8Q	<b>50 18 01</b>	9851 ?	Chinese Navy	photo	01oct19	over Beijing; only "85" on the nose
Y8Q	<b>50 18 02</b>	9861 ?	Chinese Navy	photo	01oct19	over Beijing; only "86" on the nose; c/n now known
KJ200	---	04	Chinese Navy	photo	12jul19	over Beijing
Y8	---	3256	Chinese Air Force	CGQ	13oct19	code "26"red on its nose
Y8	---	3355	Chinese Air Force	CGQ	13oct19	code "35"red on its nose
Y8Q	---	9881 ?	Chinese Navy	photo	01oct19	over Beijing; only "88" on the nose
Y8JB	---	9351 ?	Chinese Navy	photo	01oct19	over Beijing; only "35" on the nose
Y9	---	10151	Chinese Air Force	photo	01oct19	over Beijing 01oct19

## PH register

### Newly registered aircraft:

PH-AFR	Cessna F177RG	<b>F177RG0078</b>	23sep19	Ex G-BAJA.
PH-ATN	Cameron Z-350	<b>10354</b>	09sep19	Ex PH-ATN.
PH-DOC	Eurocopter EC135 P3H	<b>2095</b>	26sep19	Medical Air Assistance
PH-PDB	Kubicek BB 70 Z	<b>868</b>	06sep19	Ex D-OWGV.
PH-PVZ	Robinson R66	<b>0638</b>	19sep19	Ex OO-SEA.
PH-RGB	Tecnam P2002-JF	<b>325</b>	25sep19	Ex S5-DKG.
PH-YER	Kubicek BB 42 Z	<b>910</b>	20sep19	Ex D-OPIP.
PH-WUR	Sky Arrow 650 TCNS	<b>CNS024</b>	20sep19	Ex PH-WUR, I-RAWJ.
PH-8X6	Fresh Breeze Monster	<b>905</b>	11sep19	Ex PH-8X6.

### Reservations:

PH-AST	F.8L Falco		2019	
PH-BWV	Cameron Z-120		2019	
PH-FOH	Kubicek BB 40 Z	<b>1652</b>	2019	
PH-SLE	Cameron V-77	<b>2470</b>	2019	Ex G-BUAM.
PH-TTK	Cameron A-250		2019	

### Change of ownership:

PH-DID	Ultramagic M-145	<b>145/19</b>	06117	06sep19
PH-LLV	Apex DR400/500	<b>44</b>		11sep19
PH-PDA	Aquila AT01	<b>AT01-180</b>		04sep19
PH-4P4	Blackshape Prime BS100	<b>BPU0023</b>	08819	11sep19
PH-7P9	Sky Equipment Simplify X3	<b>EN 293-15</b>	08870	02sep19
PH-7X4	Fresh Breeze ThoriX	<b>093</b>	08294	04sep19
PH-7Z4	Nirvana Instinct	<b>2214013</b>	08245	09sep19
PH-9Z9	Adventure A4	<b>A4-3183</b>	20674	11sep19
PH-726	Grob G102 Club Astir IIIb	<b>5588CB</b>	03257	09sep19

### Cancelled from register:

PH-ECN	Robin R 1180 TD	<b>228</b>	03217	27sep19	To Germany.
PH-JMR	Ultramagic M-105	<b>105/204</b>		18sep19	To France.
PH-MDB	Cessna 172K	<b>17258604</b>	05897	30sep19	More than 1 year without valid airworthiness document.

PH-SAM	Piper PA-44-180	<b>44-7995150</b>	07647	30sep19	More than 1 year without valid airworthiness document.
PH-7S9	Fresh Breeze BulliX 4 T	<b>002</b>	08570	09sep19	More than 1 year without valid airworthiness document.
PH-7W1	PapTeam PAP ROS 125 GB	<b>24614339</b>	08331	30sep19	More than 1 year without valid airworthiness document.
PH-7W2	Fly Products Jet Top 80	<b>801210012</b>	08339	30sep19	More than 1 year without valid airworthiness document.
PH-7X1	Fly Products Xenit Plus V1	<b>140055</b>	08291	29aug19	More than 1 year without valid airworthiness document.
PH-7Y9	Adventure Funflyer	<b>M3 491</b>	08194	29aug19	More than 1 year without valid airworthiness document.
PH-8B8	Nirvana Instinct	<b>2112018</b>	08098	29aug19	More than 1 year without valid airworthiness document.
PH-8C4	PapTeam PAP ROS 125 GB	<b>0203</b>	08029	29aug19	More than 1 year without valid airworthiness document.
PH-8D5	PapTeam PAP ROS 125 GB	<b>0005</b>	08060	29aug19	More than 1 year without valid airworthiness document.
PH-8E1	Nirvana Rodeo 125	<b>207305</b>	08164	06sep19	Wfu,
PH-8F9	Adventure M4	<b>PM4721</b>	07970	29aug19	More than 1 year without valid airworthiness document.
PH-8H1	PapTeam PAP ROS 125 GB	<b>0549</b>	07924	29aug19	More than 1 year without valid airworthiness document.
PH-8H2	PapTeam PAP ROS 125 GB	<b>0462</b>	07900	29aug19	More than 1 year without valid airworthiness document.
PH-8J1	Fresh Breeze Bulli-X 4T	<b>015</b>	07856	29aug19	More than 1 year without valid airworthiness document.
PH-8K8	Fly Products JetTop 80	<b>001107025</b>	07811	29aug19	More than 1 year without valid airworthiness document.
PH-8K9	PapTeam PAP ROS 125 GB	<b>302</b>	07777	29aug19	More than 1 year without valid airworthiness document.
PH-8N4	Fresh Breeze ThoriX	<b>058</b>	08621	29aug19	More than 1 year without valid airworthiness document.
PH-8N5	Fresh Breeze Snap 120	<b>14C</b>	21033	29aug19	More than 1 year without valid airworthiness document.
PH-8N6	Adventure M4	<b>QM41195</b>	21024	29aug19	More than 1 year without valid airworthiness document.
PH-8N8	Nirvana Rodeo 125	<b>M2 7803</b>	21032	30aug19	More than 1 year without valid airworthiness document.
PH-8P1	Adventure M4	<b>QM41209</b>	21030	30aug19	More than 1 year without valid airworthiness document.
PH-8P3	Fly Products Race C	<b>061775</b>	21029	30aug19	More than 1 year without valid airworthiness document.
PH-8P8	PapTeam PAP ROS 125 GB	<b>0210</b>	08121	30aug19	More than 1 year without valid airworthiness document.
PH-8Q1	PapTeam PAP ROS 125 GB	<b>0448</b>	07880	30aug19	More than 1 year without valid airworthiness document.
PH-8R8	Parajet Volution Moonair 01	<b>346</b>	08033	30aug19	More than 1 year without valid airworthiness document.
PH-8U3	Fly Products Kompress	<b>EC1157</b>	20972	30aug19	More than 1 year without valid airworthiness document.
PH-8U6	Adventure M3	<b>4803</b>	20963	05aug19	More than 1 year without valid airworthiness document.
PH-8W2	Adventure M3	<b>PHM469</b>	20942	30aug19	More than 1 year without valid airworthiness document.
PH-8X4	Fresh Breeze Snap 120	<b>308</b>	08631	30aug19	More than 1 year without valid airworthiness document.
PH-8X6	Fresh Breeze Monster	<b>905</b>	20928	30aug19	More than 1 year without valid airworthiness document.
PH-9A3	Adventure M3	<b>DGM4189</b>	20888	20aug19	Wfu.
PH-9A9	Fresh Breeze ThoriX	<b>024</b>	21004	30aug19	More than 1 year without valid airworthiness document.
PH-9B3	Fly Products Race C	<b>8037</b>	20881	30aug19	More than 1 year without valid airworthiness document.
PH-9B9	Fresh Breeze Simo 122	<b>1141</b>	20870	30aug19	More than 1 year without valid airworthiness document.
PH-9C2	Fly Products Max 130	<b>M2440</b>	20882	30aug19	More than 1 year without valid airworthiness document.
PH-9C9	Fresh Breeze Snap 120	<b>231</b>	20869	30aug19	More than 1 year without valid airworthiness document.
PH-9D2	Fresh Breeze Snap 120	<b>233</b>	20962	30aug19	More than 1 year without valid airworthiness document.
PH-9D4	Fresh Breeze Snap 120	<b>234</b>	20868	30aug19	More than 1 year without valid airworthiness document.
PH-9D5	Fresh Breeze Snap 120	<b>122</b>	20867	30aug19	More than 1 year without valid airworthiness document.
PH-9E6	Fresh Breeze XCitor	<b>13</b>	20873	05aug19	More than 1 year without valid airworthiness document.
PH-9E9	PapTeam PAP ROS 125 GB	<b>TD 1400</b>	20852	30aug19	More than 1 year without valid airworthiness document.
PH-9K5	Fresh Breeze Snap 120	<b>91</b>	20796	05aug19	More than 1 year without valid airworthiness document.
PH-9K9	Fresh Breeze Snap 120	<b>77</b>	20786	30aug19	More than 1 year without valid airworthiness document.
PH-9L2	Fly Castellucio SMN 130	<b>M2 3790</b>	20802	30aug19	More than 1 year without valid airworthiness document.
PH-9M1	Adventure A4	<b>3435</b>	20770	30aug19	More than 1 year without valid airworthiness document.
PH-9M7	Adventure A4	<b>3436</b>	20769	30aug19	More than 1 year without valid airworthiness document.
PH-9N5	Büttner Crazy Flyer II	<b>12</b>	20749	30aug19	More than 1 year without valid airworthiness document.
PH-9P4	Fresh Breeze Simo 122	<b>339</b>	20739	30aug19	More than 1 year without valid airworthiness document.
PH-9Q2	Büttner Crazyplane III	<b>126</b>	20729	30aug19	More than 1 year without valid airworthiness document.
PH-9R6	Fresh Breeze Simo 122	<b>308</b>	20736	30aug19	More than 1 year without valid airworthiness document.
PH-9W8	Fresh Breeze 122 AL 2 F	<b>842</b>	20686	30aug19	More than 1 year without valid airworthiness document.
PH-9X5	Parasport Fun-Alu 125	<b>IS10082004So</b>	20692	30aug19	More than 1 year without valid airworthiness document.
PH-9Y8	Fresh Breeze Simo 122	<b>M21458</b>	20678	27aug19	More than 1 year without valid airworthiness document.
PH-269	Schleicher Ka-6CR	<b>1115</b>	08377	30sep19	More than 1 year without valid airworthiness document.
PH-1574	Rolladen Schneider LS 7-WL	<b>7040</b>	08691	19sep19	To Czech Republic.

Credits: Inspectie Leefomgeving en Transport, ballonregister.nl.



A rather new edition to the Dutch civil register is this Cessna 750 PH-NNX of ASL. Its former registration was EI-LEO, which was a regular visitor at Amsterdam. (Groningen - Eelde, 30 September 2019, Simen Dorschman)

# Dustpan & Brush



Of the four pictures we have for you this month, three are of Russian aircraft! To kick off we have this Su-30MK2V 0457, of the Aviación Militar Nacional Bolivariana de Venezuela (Venezuelan Air Force). It crashed on 16 October 2019 at home base El Sombrero, Capitan Manuel Rios Guarico AB, Guarico State, with the fly-by-wire system to blame. Wim Sonneveld captured it in better times at Maracay-El Libertador, AB Aragua, Venezuela, on 24 November 2012.

## Additions & Corrections:

16nov17 8Q-IAG DHC-6-200 **226** rep  
See Scramble 463.

03mar19 N14171 ERJ145XR **14500859** w/o  
See Scramble 479.

10may19 167106/B-274 T-45C **221/C138** w/o  
See Scramble 481.

21jun19 41889/EH UH-1J **1J89** dam  
See Scramble 482.

26aug19 E.25-20/79-20 C-101EB **020** w/o  
See Scramble 484.

## New Accidents:

31aug19 EB-033 Ce210L **210-60373** w/o

The Ejército de Bolivia lost one of its Cessnas in the early hours of the morning, as it caught fire while parked in a hangar at El Trompillo Airport, Santa Cruz. A quick response by airport fire crews prevented the fire spreading, but the Cessna was completely destroyed. Luckily no one was injured. The aircraft had been due to transport aid to the Roboré municipality, which had been affected by an environmental disaster, but these provisions had not been loaded at the time and were undamaged. The cause of the fire is unknown.

27sep19 SA226T **T-** w/o

A downgrade from what we have published the last couple of months, as this time the narcotics smugglers used this private Merlin III. Law enforcement officers tracked the turboprop to Machiques de Perijá, Zulia, Venezuela, where it was destroyed. Pictures on Twitter show the aircraft in flight, but with the registration photoshopped out.

27sep19 PA-34 **dam**

A twin engine Piper Seneca made a forced landing in a field between Wallern and Taden in the Neusiedl Dirstrict in eastern Austria, after experiencing technical difficulties. The landing gear was not extended during the forced landing, no fuel or oil was spilled, and the sole pilot onboard was not injured.

27sep19 6W- Mi-35P/24V **w/o**

The Mi-35 Hind of the Armée de l'Air du Sénégal, deployed and assigned to the UN, came down in Central African Republic, near Bouar. It participated in a combat mission on 26 September when the UN peacekeeping force (MINUSCA, or Multi-

dimensional Integrated Stabilisation Mission in the Central African Republic in English) led an attack against an armed group, named 3R, in Kouï, in the north-west of the country. When the Hind returned to its forward deployed location, it crashed in poor weather in the town of Bouar, some 490 kilometres north-west from the capital of Bangui. Bouar has a small airfield just five kilometres east of the city. The AdLAS Mi-35s are normally based at Dakar-Yoff and assigned to the Groupement Opérationnel de l'Armée de l'Air (GOAA). The unit was equipped with three Mi-24Vs and two Mi-35Ps. During 2018, one Mi-24V (serial 6W-HCA/UNO-308P) and both Mi-35Ps (6W-SHY/UNO-309P and 6W-SHZ/UNO-310P) were assigned to the UN-mission in Central African Republic.

28sep19 6526/SL MiG-29AS **2960536065** w/o

Around 21:30hrs local time, a Vzdušné Sily Ozbrojených Síľ Slovenskej Republiky (Slovak Air Force or Air Force of the Armed Forces of the Slovak Republic, as it is officially known as of 2002) lost this MiG-29AS after it came down in the Nitra region in Slovakia. The aircraft ran out of fuel in poor weather conditions, but further investigations will officially determine the cause. Luckily, the pilot ejected to safety, and was taken to hospital for necessary medical checks. His wingman was able to land his aircraft safely. The MiG, based at Sliac and part of Taktické krídľ Sliac, 1. Bojová letka, was on a QRA scramble (Quick Reaction Alert) with live missiles when the accident happened.

29sep19 N731PF Ce421 **421-0164** w/o

The twin engine Cessna Golden Eagle crashed under unknown circumstances in a wooded area located about four miles south-west of DeLand Municipal Airport, near Grand Avenue and Old New York Avenue (FL). The aircraft was destroyed by a post-crash fire and all three occupants were killed.

30sep19 G1159B **199?** w/o

Emergency services attending the crashed private Gulfstream II found no signs of anyone around, let alone any personal belongings or cargo inside the aircraft. It is now believed that the bizjet was being used to traffic drugs or other prohibited items. The G1159B crashed under unknown circumstances in a field located in Blue Creek, Orange Walk, Belize, after the crew attempted to land on a dirt road. The aircraft crashed and came to rest, broken in two. At the time of the accident, the airplane had no official registration on the fuselage, except letters PVO on the engines. The livery

looks like N511TL (with msn 199), which was exported to an unknown owner in Mexico in November 2017. Due to the increase police presence around Petén, Guatemala and the destruction of several clandestine runways in the area, it is understood the pilots may have changed their flight path. Since this was an illegal flight it is unlikely an investigation will determine much.

02oct19 N93012 B-17G 7023 w/o

A vintage World War II Boeing B-17 Flying Fortress (belonging to The Collings Foundation) crashed and erupted into flames after it slid off runway 6 at Windsor Locks-Bradley International Airport (CT). About five minutes after take-off, while initiating a turn to the right, the crew contacted ATC and was cleared to return to runway 06 for landing. In unclear circumstances, the airplane went out of control and crashed in flames on airport facilities. Of the three crew members sadly two died, and of the ten passengers there were five casualties, making it a total of seven out of thirteen who did not survive the crash. Bradley, the second-largest airport in New England, was closed and the FAA put in a ground stop for all flights heading towards the airport, with several flights headed for Bradley being diverted to T.F. Green International Airport (RI). It flew as the famous "Nine-O-Nine", with serial 44-83575 and civil registration N93012, which is painted to commemorate "Nine-O-Nine" serial 42-31909. The original 909 served the 323rd Bomb Squadron, 91st Bomb Group and completed 140 combat missions during World War II.

02oct19 PA-34-200T dam

Another narcotics transport that bit the dust, as this Piper Seneca II was found abandoned at Brus Laguna, Gracias a Dios, Honduras, on the border of the Colón and Olancho areas. It had crash landed and had been used for transporting drugs.

03oct19 N700AQ TBM700C2 252 dam

Three dead and three injured was the tally after this TBM700C2 came down and was substantially damaged when it impacted terrain while on approach north-west of Lansing-Capital City Airport (MI). The aircraft was cleared to land from the ILS approach to runway 10R, but crashed short of the runway. Airport crash and rescue personnel responding to the crash reported to ATC that they could not see the aircraft due to fog.

03oct19 OH-HJJ EC120B 1208 dam

An apparent dynamic rollover was a potential cause for the amount of damage caused to this privately owned Colibri. Luckily the two occupants onboard were not injured. Place of mishap was Oulu Airport, north Ostrobothnia, Finland.

03oct19 N911RW OH-58A 41813 w/o

Former US Army Kiowa 72-21147, now flying for the Polk County Sheriffs Office, crashed under unknown circumstances at Fort Meade (FL), leaving the Bell destroyed but the pilot alive. The Coast Guard had to be called in to rescue two pilots after the Polk County Sheriffs Office helicopter crash-landed into a swampy field while responding to an earlier gyrocopter crash. The scene of both crashes was on a rural portion of Mosaic property in the Fort Meade area, not far from County Line Road and Manley Road.

03oct19 6104 Mi-8MT 93104 w/o

A Mil Mi-8MT of the Polish Air Force (Sily Powietrzne) tipped to its left side and hit the ground while landing in Leczyca (Łódzkie region) in Poland. The helo sustained substantial damage with the main rotor cutting off the tail boom. None of the occupants were injured. The accident happened during a night training flight.

03oct19 1679 Bell 206L-3/4? w/o

The secretary of National Defense confirmed the crash of this Bell 206 of the Mexican Air Force in the municipality of Tamazula, Durango, during which the pilot was killed. The accident occurred shortly after 15:00hrs local time when they performed operations at a point with access difficulties, in the Sierra Madre Occidental. The other three crew members were unharmed. At the time the Bell (it is unclear whether the exact type is an L-3 or L-4) was engaged in crop spraying over plantations. Tamazula is part of the so-called "golden triangle" where much of the planting and production of enervates is concentrated.

04oct19 UR-CAH An-12BK 8345604 w/o

Around 08:00 hrs local time in the morning, five people were killed and three injured when the Ukraine Air Alliance An-12 crashed near a cemetery in Sokilnyky, Ukraine, while trying to land at Lviv. It was performing flight UKL4050 (with cargo consisting of ten tons of car parts), from Vigo, Spain, to Lviv. The weather at destination was foggy, with 800 metres visibility, 200 metres vertical visibility. The Antonov was on approach to Lviv about 7.4 miles before the airport when it disappeared from radar. It was subsequently found on the ground about 0.8 miles before the runway 31 threshold in soil and vegetation, near a football stadium and a cemetery, where the crew had attempted an emergency landing due to running out of fuel.

This particular Antonov became famous as a US Air Force-marked An-12 in September 2011 when it was used in the movie World War Z (with Brad Pitt) at Dunsfold (UK). It received USAF roundels and 305th AW McGuire AFB titles.



Russian aircraft number two is this Antonov 12 UR-CAH of Ukraine Air Alliance, which came down on 4 October 2019 at Sokilnyky, Ukraine, while trying to land at Lviv. Walter Heukensfeld saw the unlucky An-12BK on 20 May 2011 (before it was used in movie World War Z) at Amsterdam-Schiphol.



And that is Russian aircraft number three... Slovak Air Force MiG-29 6526/SL of 1. *Bojová letka* came down in the Nitra region in Slovakia after it apparently ran out of fuel in poor weather conditions. However, this still needs clarification. It was seen by David Alders at Sliač on 27 August 2017.

04oct19 N4385K PA-46-310P **46-8508027** dam

Having left Rochester-Monroe County Airport (NY) earlier, the private Piper Malibu impacted the waters of the Susquehanna River near Three Mile Island nuclear power plant (south-southeast of Harrisburg International Airport (PA)) after a reported loss of engine power. Both occupants were treated for minor injuries.

05oct19 N326CW PA-60-602P **62P-08698165008** dam

The Indiana Paging Network Piper crashed in a field near County Road 300 East and State Road 22, 3.5 miles south of Kokomo Municipal Airport (IN), Howard county. The Ted Smith 600 conversion was less than two minutes after take-off from the airport, while in the initial climb out, when it entered an uncontrolled descent and crashed in a soybean field. The sole person onboard perished in the mishap.

07oct19 PA-31 w/o

Sayaxché, Petén, Guatemala, was the location where this Piper Navajo was found burnt besides a road, having been used to transport narcotics. It was found between the villages of El Quetzalito and El Arenal.

07oct19 I-TDUE EC145T2 **20006** dam

An Airbus Helicopters EC145 of Airgreen received a lot of damage while manoeuvring with a tail wind at Alghero, Italy, causing the main rotor blades to strike the wire-cutter. Substantial damage to the upper cabin section and main rotor was the result. It was later seen on a deep loader.

07oct19 N1544 DHC-2 **1230** dam

De Havilland Canada sure makes very strong aircraft, as testified by this particular Andrew Airways Beaver. It suffered a near identical incident on 24 January 2018 (Kodiak (AK)), so again it received substantial damage following a loss of directional control while landing in Kodiak (AK). The sole pilot onboard was not injured.

07oct19 P2-ASZ PAC750XL **179** dam

The Air Sanga PAC750XL was involved in a landing incident at Efogi Airport, Papua New Guinea. It required repairs before being flown out, resulting in the airstrip being closed while parts were transported there. Exactly what happened is unclear.

08oct19 F-16CM w/o

Around 15:15 hrs (local time) a US Air Force in Europe F-16CM crashed in Germany. The sole pilot successfully ejected to safety and parachuted down to earth. He was brought to a nearby hospital for observation. The German police said the Fighting Falcon came down in the Zemmer area, between the city of Trier-Saarburg and the home base of the F-16CM, Spangdahlem Air Base. Base spokeswoman Angela Watson

confirmed the crash but she had no details about the cause of it. The serial is given by CivMilAir as 90-0831 (call sign Warhawk11) but this serial was last noted with the 179th FS as a HaveGlass Viper. The 480th inventory shows serial 90-0813. RadarBox24 shows serial 90-0833. The latter is actually a 480th bird (last noted July 2019). So for the time being, the serial remains unconfirmed. But the most important thing is that there are no casualties reported.

09oct19 EK-74008 An-74T-100 **36547095900** dam

Definitely a new paintjob for this Mars Avia Antonov 74, after it made a gear-up belly landing at Mogadishu Aden Adde International Airport, Somalia. On the approach the crew was unable to extend the gear normally and even after having followed the required checklists it would not come down. Hence, a gear-up landing needed to be made. The crew declared emergency and prepared for the approach, with emergency services on standby and landed on the belly of the aircraft.

10oct19 RF-95428 An-12BK **8346003** dam

And the second belly landing by an Antonov! Wearing both RF-95428 and RA-11260, this Russian Air Force Antonov 12 landed wheels up at Yekaterinburg-Koltsovo Airport, and also will need new paint on the belly. There was no report from the crew concerning landing gear problems until Air Traffic Control saw it belly landing at their runway. Six crew and eleven passengers were onboard, but luckily due to the robust build aircraft, no casualties.

10oct19 EK-72903 An-72 **36572020385** w/o

An Antonov An-72 of South Airlines, operating on behalf of the Air Force of the Democratic Republic of the Congo, was reported missing on a flight from Goma to Kinshasa-N'Djili. It was operating on a presidential logistics support flight and departed Goma at 15:32 hours local time, with an estimated time of arrival at Kinshasa of 17:43. However, 59 minutes after take-off from Goma all contact was lost. Unfortunately the next day the wreckage was located in a forest near Punia, with all eight occupants having not survived the ordeal. This is mishap number three involving an Antonov in two days...

11oct19 5Y-IZO Fokker 50 **20244** w/o

A Fokker 50 of Silverstone Air Services crashed at Nairobi-Wilson Airport, Kenya, around 09:00 hrs local time, after it departed Mombasa earlier in the day. During take-off from runway 14 for flight K5-620 to Mombasa and Lamu, the Fokker failed to get airborne, overran the runway and rolled for about 250 metres where it struck a perimeter fence and eventually came to rest against trees, located about 50 metres further. All-but-two of its fifty passengers escaped without

injuries. The two unlucky ones were brought to a nearby hospital with minor injuries. The nose landing gear was pushed inside the fuselage and the no.1 engine had separated.

11oct19 SU-BCX Bell 412EP **36541** dam

One of Petroleum Air Services' Bell 412s had to perform an emergency landing into the Mediterranean Sea, 65 miles away north of Port Said City, during its return from one of the petroleum installations, and was heading towards El Jameel Airport, Port Said. Onboard were three passengers and two crew members. The company communicated with the concerned authorities to coordinate the Search & Rescue operations, and we have found all personnel in safe and good health. It is unclear what happened and if the Bell received damage.

11oct19 FAH-290 Ce210N w/o

Two occupants of a Cessna 210 of the Fuerza Aérea Hondureña (Honduras Air Force) got injured during a crash-landing. The Cessna 210 came down around 08:00 hours local time during a routine training flight near San Pedro Sula-Ramon Villeda Morales International Airport in La Lima, Cortés. It is reported that the Cessna lost engine power during touch-and-go operations. The Centurion II belonged to Armando Escalón Espinal, 1 Grupo Tactico, based at San Pedro Sula.

11oct19 Su-27UBK w/o

Two pilots of the Federal Democratic Republic of Ethiopia Air Force (FDREAF) lost their lives when their Sukhoi Su-27UBK crashed in the Uke Denkaka area near Bishoftu, Ethiopia. The African Flanker crashed during an air show exercise for the upcoming graduation ceremony on 15 October 2019. It had just taken off from Bishoftu-Harar Meda Air Base when the Russian fighter suffered an engine fire.

11oct19 N166DH DHC-6-100 **66** dam

A Twin Otter of Skydive Georgia struck a Panzl S-330 aerobatics plane (N540ML, msn 008) at Cedartown-Polk County Airport (GA). The S-330 had just landed and had not yet cleared the runway when the Twotter began the take-off roll. According to the FAA both aircraft sustained substantial damage in the collision.

13oct19 114071/5 CT-114 **1071** w/o

Whilst performing at the Atlanta air show (GA) this Royal Canadian Air Force CT-114 Tutor (part of demonstration team Snowbirds) crashed under unknown circumstances. The pilot of Snowbird 5, Captain Kevin Domon-Grenier, was forced to eject from his aircraft shortly before the performance in Atlanta. He made it safely to the ground and is unhurt. The aircraft fell in an unpopulated area near Brooks (GA) and nobody was injured.

14oct19 N850NK TBM850 **432** w/o

Following a loss of engine power, the MT Margaret TBM850 force landed in an open field during a landing attempt at Breckenridge-Stephens County Airport (TX). The airplane was partially consumed by the ensuing fire and the two occupants onboard were not injured.

14oct19 NG-1137 PA-31 w/o

This section could be a lot smaller if it wasn't for narcotics traffic related incidents and accidents. Now a Piper Navajo Colemill Panther conversion was involved, with these fake markings, after it was found on an illegal landing strip at Parque Nacional Laguna del Tigre, San Andrés, Petén, Guatemala.

15oct19 Mi-17V-5 w/o

Sadly all seven occupants of the Afghan Air Force Mi-17 perished after the chopper crashed due to a technical malfunction, near Durrah-i-Hairatan, near Mazar-i-Sharif, Balkh province. The helicopter had been on its way to a training mission, traveling from an army base near the provincial capital Mazar-i-Sharif when it crash-landed on the outskirts of the city.

15oct19 CC-PPP Bell 206L-3 **51549** dam

A Bell LongRanger III of Publicitaria Publi, suffered an accident 72 kilometres north of Chuquicamata, Chile. It was located by an air force Casa 212 (of Grupo de Aviación N°2) at a height of 12,000ft and all four occupants were rescued with only minimal injuries.

16oct19 0457 Su-30MK2V **79810386309** w/o

An Aviación Militar Nacional Bolivariana de Venezuela Su-30MK2V crashed around 16:15 hours local time at home base El Sombrero, Capitan Manuel Rios Guarico AB, Guarico State. Sadly both crew members were killed, since the fly-by-wire system of the Flanker failed just after take-off, causing the aircraft to go inverted at low altitude, making safe ejection impossible. This tragic accident happened while the Grupo Aéreo de Caza N°11 aircraft was starting its ferry flight to Barcelona, Luis del Valle Garcia AB, for maintenance.

16oct19 F-HYAC Yak-18T **22202052122** dam

Both occupants of the private Yakovlev 18 were uninjured after it crashed from a height of 1,000m having suffered serious mechanical failures. It came down in a vineyard at St Joseph, near Draguignan, Var, France.

17oct19 N686PA Saab 2000 **2000-017** dam

Operating flight AS3296, from Anchorage-Ted Stevens International Airport (AK) to Unalaska-Tom Madsen Airport (AK), on behalf of Alaska Airlines, this Peninsula Airways (or PenAir) Saab 2000 overran the end of runway 13, sustain-



The last one is a Western built aircraft, a Canadair CT-114 Tutor of the Royal Canadian Air Force's Snowbirds demoteam. 114071/5 crashed under unknown circumstances at the Atlanta air show, which was held on 12 & 13 October this year, with the Tutor crashing on the second day of the show. Rob Sowald captured Snowbirds 5 on 12 July 2012 at Moose Jaw (Sask.).

ing substantial damage. It had 39 passengers and three crew members onboard. The Saab came to a stop about 125 metres past the end of the runway, coming to rest on a rocky surface at the edge of the water of Dutch Harbor. It received damage to the left hand propeller blades, which had contacted some obstacles and penetrated the fuselage.

Local authorities reported all members of a youth swim team onboard of the aircraft remained unhurt. Three passengers were taken to a hospital sitting upright and conscious, a number of other passengers were checked at the airport. Sadly the following day one passenger died of his injuries.

A ground observer reported the aircraft had attempted to land on runway 13 during strong wind conditions, overflying Hog Island first, but performed a missed approach due to poor weather. It came back again for another approach, touched down, but did not stop, despite noticeable deceleration.

17oct19 N167AG Bell 206B-2 **1482** w/o

This Bell JetRanger II of VFT impacted power lines and heavily wooded terrain while spraying herbicide over a field in New Salem, Union County (NC), on the 7000 block of New Salem Road, or Highway 205, in Marshville. The helicopter was destroyed and the sole pilot onboard sustained fatal injuries.

18oct19 S-70A **70.** w/o

A Türk Hava Kuvvetleri (Turkish Air Force) F-16 had to destroy a downed Black Hawk of the Türk Kara Havacılık Komutanlığı (Turkish Army) which crashed as a result of a technical malfunction inside Syrian territory, near Tel Abyad. There were no reports on casualties or injured, nor how many persons were onboard.

18oct19 TI-AZM UH-1H **4648** w/o

Former Huey 65-09604 of the US Army, now flying for Aerodiva, crashed in a wooded area at Telire, Talamanca, Limón, Costa Rica. While the Huey was a write-off, the two occupants survived the ordeal.

18oct19 N437GB DC-3C **19999** w/o

Operating one of Atlantic Air Cargo's flights from Miami-Opa Locka (FL) to Nassau-Lynden Pindling International Airport (Bahamas), the DC-3 was on approach to Nassau's runway 14 when the crew declared emergency, reporting the left hand engine had failed. They subsequently ditched before Nassau's Love Beach about 2.5 miles short of the runway threshold. The Coast Guard was alerted about the accident eighteen minutes later, and the Royal Bahamian Defense Force were able to rescue both pilots and were in good health. The aircraft became submerged and is therefore a good candidate to be written off...

18oct19 1500. CC-150 **dam**

While undergoing maintenance at CFB Trenton (ON), the Royal Canadian Air Force Polaris (Airbus A310-300) disconnected from its tow tug and crashed into a hangar, causing damage to the engine cowling and nose cone.

19oct19 MFI-17 **dam**

The pilots of this Pakistan Army MFI-17 Mushshak had to make an emergency landing in a paddy field near Wazirabad, Gujranwala district, Punjab, after a technical malfunction (while flying over Dilawar Cheema near river Chenab). The plane flipped upside down, receiving damage. Both pilots were not injured. It had taken off from Rahwali Cantt for a training mission.

20oct19 HS-TKL B777-3ALER **41521** dam

A Thai Airways Triple Seven was moments into the take-off roll from Bangkok-Suvarnabhumi International Airport's runway 01L, when the left hand engine (GE90) suffered an uncontained failure, forcing the crew to abort the take-off at low speed (55 knots). The Boeing returned to the gate where

a large hole was seen at the inboard casing. The Triple was going to operate flight TG970 to Zurich, 339 passengers and twenty crew. Obviously the aircraft was grounded and since there was no spare aircraft available all passengers were taken to nearby hotels. A replacement Boeing 777-300 (HS-TKK) reached Zurich with a delay of twelve hours.

This YouTube video shows the hole in the engine casing, where you can clearly see the glow of the fire: [www.youtube.com/watch?v=RgDrkpTGsTM](http://www.youtube.com/watch?v=RgDrkpTGsTM)

20oct19 XB-SIG CeT310Q **w/o**

A Cessna 310 of Sistemas de Inteligencia Geográfica Aplicados crashed at El Marqués, Querétaro, Mexico, killing both pilots. The exact circumstances are unknown. The Cessna, equipped with photogrammetric instruments, hit a hill which is ??difficult to access, which made it difficult for search and rescue crews to reach the crash site.

21oct19 N-1013 AF-1B **14566** dam

In the morning this AF-1B Skyhawk of the Comando da Força Aeronaval (of VF-1 "Falcão") was involved in an incident at its home base São Pedro da Aldeia Naval Air Base. It is reported that the AF-1B Skyhawk (only redelivered after modification on 6 September 2019) had an aborted take-off due to engine problems, and could not brake on time before reaching the end of the runway. The nosewheel collapsed and a short fire ensued after fuel leaked out of the external fuel tank. Watch the Skyhawk nose-down at the end of the runway with a fire extender coming to the rescue at [www.youtube.com/watch?time\\_continue=3&v=L4PB7v\\_cYLg](http://www.youtube.com/watch?time_continue=3&v=L4PB7v_cYLg)

22oct19 116 BT-67 **16534/33282** dam

A Basler Turbo Dakota, operated by the Fuerza Aérea Salvadoreña suffered a runway excursion on take-off from San Salvador-Ilopango International Airport, as it was about to undergo a paratrooper mission. Exactly what happened is unclear, but the Turbo Dak received substantial damage.

22oct19 N8837B CRJ200LR **7837** dam

An Endeavor Air operated CRJ (but actually in the colours of Delta Connection), operating flight DL5320 from Alexandria (LA) back to Atlanta Hartsfield-Jackson International Airport (GA) landed on runway 28, maintaining routine communication and taxied to the apron. However, after parking on stand it was discovered that it had suffered a bird strike and as a consequence substantial damage.

23oct19 XB-JZF Ce401A **401A-0051** w/o

A private Mexican Cessna was destroyed when it impacted the waters of a river under unknown circumstances in Las Juntas, Madero, Michoacán, Mexico. The six occupants onboard sustained fatal injuries. One of the six bodies was found later along the river.

23oct19 Be90 **w/o**

Different country, same purpose. This unidentified Beech 90 was found burnt alongside a road in Hopelchén, Dzidbalchén, Mexico, and had been used (you guessed it) for drugs transport.

24oct19 Dhruv **w/o**

The Indian Army Aviation Corps lost one of its 180-ish strong Hindustan Aeronautics Limited (HAL) Dhruv inventory during a crash landing in Jammu and Kashmir's Poonch district, while having the Northern Army commander as a VIP onboard. Luckily, both pilots and seven passengers are reported to have escaped the accident alive. The helicopter experienced some in-flight technical issues before it came down.

Credits: Air Forces Monthly, ASN, Aviation Herald, B3A, JACDEC, Petroleum Air Services, Sam Chui

# Aviation Day

## Saturday 30 November 2019

# AVIATION DAY

# 19



The Dutch Aviation Society is proud to announce the ninth edition of the Scramble Aviation Day. The Aviation Day is THE aviation event during the dull winter months. It will feature the Scramble Air Fete and the National Spotters Championships (NSK).

### Aviation Day

A unique happening this time, two Aviation Days in the same year! On 5 January 2019 year we hosted the Aviation Day at Skydeck for the very first time, and since we received very positive feedback on the location (an aircraft museum with very interesting aircraft, which can be moved if we so desire) we are going back there again! This time it will take place on 30 November.

### National Spotting Championships (NSK)

In 2019, the National Spotters Championships (NSK) will be organised for the thirtieth time. Responsible for organising the NSK is Aviation Group Leeuwarden, winners of last years edition. During the NSK, various teams will battle for the highly coveted trophy.

### Air Fete

The Scramble Aviation Day 2019 will feature the ninth edition of the Air Fete where you can buy, sell and trade all kinds of aviation-related items. This year, like last year, visitors will have more time to visit the Air Fete as the NSK will start at 13:00 once again.

Tables measuring 70x220cm are available for €22,50. For reservations please contact [airfete@scramble.nl](mailto:airfete@scramble.nl). You can also indicate if you would like a prepacked lunch, which is available for €7,50.

Visit the event to test your knowledge, buy new aviation-related items or just socialise with old and new friends.

**There is no entrance fee!**

### Timetable

Air Fete	10:00 - 17:00
NSK	13:00 - 17:45
Award ceremony	18:15 - 18:45

### Contact details

Skydeck Teuge Airport  
De Zanden 167  
7395 PG Teuge

+31(0)6 55 32 43 13

For details about the Aviation Day 2019: [www.scramble.nl/aviation-day](http://www.scramble.nl/aviation-day)

Reservations Air Fete tables: [airfete@scramble.nl](mailto:airfete@scramble.nl)

# Warbirds



There is only one Sabre flying in Europe and as a representative of the early jet age, it was invited to the Zeltweg airshow on 6 September 2019. Although F-AYSB is painted in the colours of the 461st sq USAFE, the fighter is actually a licence built Canadair CL-13. In his photo, Hilco Schigt demonstrates that he understands what 'panning' is.

## France

Inspired by the enormous public interest in the commemoration of the 1944 Invasion, a new French group called D-Day Wings has announced its plans. They intend to restore and return an airworthy Douglas C-47 to France, where it will be based at Caen-Carpiquet. The organisation plans to fly their vintage transport during scenic flights over the Normandy beaches and during parajumps over the historic drop-zones. Their C-47 will be painted as 42-92415 "Miss Annabelle Lee" with code "J7" as was flown by the 303rd squadron of the 442th troop carrier group from Fulbeck in the south of England. Unfortunately, finding a proper candidate has turned out to be difficult. For the moment, D-Day Wings does not want to reveal which C-47 they want to buy.

Dewoitine D501 F-PRJD was seen on 22 and 23 September during open doors at the Aéro-club d'Alençon. It is unfortunately not an original D501, but a 90% replica of this pre-war fighter type. The replica is based upon a Mauboussin tail dragger. The same aircraft was damaged when it flipped over upon landing at the Cerisé airfield in the Orne region on 1 September 2016. F-PRJD is expected to be airworthy again in the spring of 2020. Its constructor is currently also building a full scale replica of a Polikarpov I-16 Rata fighter.

Les Ailes de l'Ouest is an aviation organisation based at Saint Mars du Désert. Last year they have salvaged Morane Saulnier 733 F-AZVP (36) from the region of Roan. This trainer was built in 1954 and used for many years by the Salon de Provence flight school. From 1963 to 1980 it was used by the SFATAT for the training of future airline pilots. After that the Aeroclub "Les 733" at Etampes flew the MS733 for the education of private pilots until 1990. It was then stored until 2018. Now Les Ailes de l'Ouest plans a full restoration to airworthy status. They only need three things to succeed: money, money and more money!

## Germany

The Air Fighter Academy / Hangar 10 collection of Usedom has gathered its own Luftwaffe by now. On 17 October, Flugwerk FW190 D-FWAA (990013) 'Yellow 4' was delivered from Meier Motors at Bremgarten by pilot Klaus Plasa. The fighter made its first post restoration flight on 21 July and was tested to the full extent ever since. Destined for Christophe Jacquard in Dijon-Darois (France), this FW190 made its first flight as F-AZZJ on 7 May 2009. Unfortunately Jacquard's pleasure in his new machine was only short-lived as it ditched in the bay

of Hyeres (France) on 12 June 2010 during the celebration of 100 years of Aéronautique Navale. Pilot Marc Mathis escaped unhurt from this event which was caused by an engine malfunction. F-AZZJ spent some days in the seawater before it was salvaged. Obviously having lost his faith in the concept, Jacquard decided to sell F-AZZJ. Shortly afterwards it was sold to the Air Fighter Academy and trucked to Bremgarten.

## India

The Indian Air Force has recently retired the longest serving aircraft in its inventory: Spitfire Mk.XVIII HS683. It was presented to the Punjab Engineering College (later PEC University of Technology) at Chandigarh in 1962, and has served as an instructional airframe ever since. Originally an RAF Spit with serial TZ219 it was sold to the Indian Air Force in 1947. The fighter, which seems to be in remarkable good condition, was trucked to the Indian Air Force Museum at Palam, Delhi on 10 August. There it is expected to become part of the programme to get one (or possibly even two), Spitfires flying for the Indian Air Force Vintage Squadron.

## United Kingdom

It looks like the Heinkel He 111H / CASA 2.111B B.2I-103 (017) project that, for many years, has been collecting dust in one of the hangars of the Imperial War Museum at Duxford, will soon have a new home. When it became clear that the IWM had plans to dispose of the project, the Kent Battle of Britain Museum Trust at Hawkinge immediately jumped in. They had spent many years looking for a suitable Heinkel He 111 project for their museum! But there were several negative rumours on the airframe as being completely stripped out and full of corrosion. But much to the relief of the four BoB Museum volunteers who inspected the bomber little of it was true: they discovered that many of the instruments, controls, control column, rudder bar pedals etc. were still in-situ. The corrosion was fairly localised and can be inhibited, controlled, patched and replaced, as and where necessary. On top of this it was discovered that the aircraft was originally built in the early 1940's as a Heinkel He 111H-16 and later converted, including her engines to a CASA 211.B. The Kent Battle of Britain Museum is now planning the Heinkel's transport out of Duxford in the second half of November, either by truck or (in the same way as it arrived in March 1998) underneath a helicopter.

Simultaneously the Kent Battle of Britain Museum at Hawkinge has announced that it is joining forces with the Whirl-

wind Fighter Project to build and display a static reproduction of Westland Whirlwind Fighter Mk.I P7056 'Pride of Yeovil' at the Museum. Based upon a wreckage of the Whirlwind owned by the museum, the twin engined single seater fighter-bomber will be built to available original plans, with (where possible) original materials. The project will use whatever original structure, parts, including engines, undercarriage and (deactivated/replica) armament as are currently available. While P7056 is being built, each sub-assembly will be displayed in the Stuart-Buttle Memorial Hangar at the museum, to reach a wider audience and help to raise the finance to build the machine. During the Battle of Britain RAF No. 263 sq flew eight Whirlwinds, although these never had enemy contact.

It was unveiled during an official celebration on 3 September: Hawker Hurricane Mk.IIC Z2389. It had taken the volunteers of the Brooklands Museum in Weybridge, Surrey, almost twenty years and 60,000 man hours to complete its static restoration. Z2389 was built in 1940 and served five different RAF squadrons. It is finished with code 'XR-T' in the colours of the most famous of these five, the American Volunteer 71 'Eagle' squadron which operated out of Martlesham Heath in Suffolk. The Hurricane had made what you call a detour, before returning to the UK. After RAF service, the fighter was shipped to Russia under Lend-Lease conditions. It arrived there in May 1942, but was shot down within two months near Murmansk. It took until 1996 before the Hurricane wreck was recovered and transported to Weybridge.

Another British icon that is returning to its homeland is Vickers Supermarine Spitfire Mk.IX PL344. In the past months the fighter, registered as N644TB, was offered for sale by its American owner, Tom Blair, who was inclined to let it go for a mere \$ 2.5 Million. On 11 October N644TB was cancelled from the US register, and it will return to the UK and (again) be registered as G-IXCC. Interesting to know is that PL344 has some ties with the Netherlands. After its RAF service it became an instructional airframe at the Anthony Fokker School in The Hague until it was bought by Charles Church in 1985. He returned PL344 to airworthy status, registered as G-IXCC, making its first flight in 2000. Church sold PL344 to Kermit Weeks who flew her for only one year (with code 'Y2-P') Next owner of the fighter, now registered as N644TB, was Tom Blair who changed the code in 'TL-B' in 2004. From January 2007 to November 2010 PL344 resided in the UK for overhaul and modifications, initially as N644TB but later as G-IXCC.

As a tribute to New Zealand Fighter ace Alan Deere, the Battle of Britain Memorial Flight (BBMF) recently had its Spitfire Mk.IIa P7350 repainted in the markings of his BoB Mk.I R6895 with code 'KL-B' and named 'KIWI'. The original

R6895 flew during the Battle of Britain with 54 Sqn from RAF Hornchurch, Essex. It was damaged by bombs on take-off on 2 August 2 1940 but repaired and survived until struck off charge in March 1945. The repainting work on P7350 was performed by The Spitfire Company (Biggin Hill) and extensive research has ensured the markings are as accurate as possible. And if, by any chance, you think to recognise a Spitfire with code 'KL-B', it is well possible that it was one of your first plastic models. It was produced both by Airfix as well as Revell!

The Westland Lysander is mostly known for its activities for the wartime Special Operations Executive. SOE Lysanders were used to deliver and pick up secret agents in occupied Europe. But of the Lysanders that have been preserved, only one is an original SOE machine. This Lysander Mk.III, R9125, has been restored at the RAF Museum's Michael Beetham Conservation Centre in Cosford. It arrived in November 2016 and it has since been through an in-depth inspection and condition assessment, which led to a few minor structural repairs. It has also received a new outer skinning and has been completely repainted in 161 (Special Duties) Squadron livery with code 'JR-M'.

### United States

Waiting her fate in a remote place like Honolulu, Hawaii, is Douglas R4D-8 (Super DC-3) N9796N. The rare transport had flown for Kamaka Air Inc. around Hawaii from 2004 until last year, when a complete failure of one of the engines grounded her. Kamaka Air Inc. considered the costs of repair non-economic, so the aircraft was donated to the local Fourrier Foundation. This foundation has initiated fund-raising activities, to pay for the 'Super Gooney's disassembly and transport to San Antonio (TX) in the USA, where a full restoration to airworthy status is planned. She will then be appropriately baptised 'Hula Girl'. The transport is a true veteran: it was built as USAAF C-47A 42-93014 (**12879**) and flew in Operation Neptune which preceded the Normandy Invasion. It was transferred to the US Navy in October 1945 and, three years later, active in supply transport for the Berlin Airlift. In 1952, the C-47 was rebuilt into an R4D-8 Super DC-3 (**43375**) by Douglas in Santa Monica. It was flown under BuNo17182 by VMR-153. In 1966 it entered another war: it was transferred to Nha Trang Air Base for service in Vietnam. Until its retirement at Davis Monthan Air Base in 1974, the R4D-8 was used as a scouting aircraft for the NASA Gemini Program. After a number of years of storage, it was registered as C-FLED and flew for Air Dale in Canada. It was later sold to the USA and reregistered as N9796N. It passed a few owners until finally arriving at Kamaka Air Inc. in 2004.

Credits: Flypast, Fox Alpha Zoulou, WIX.



Not many people will have ever visited the location of Catalina CF-NJL, Gananoque airfield in Canada, but our photographer Jan Makkus was there on 14 September. He took a shot of this museum exhibit, 1944 built Canso A, the Canadian version of the Consolidated PB5-A.

# Military News & Updates



*Eufie 31+48 of TLG31 makes a high-speed pass at Manching. (24 September 2019, Dietmar Fenners)*

Because of our standardization we sometimes use type, unit and serial presentations that may strongly differ from those used by the manufacturer or user. It is therefore possible that the information sent by you can deviate from the information we publish.

## Europe

### Bosnia and Herzegovina

Ministarstvo unutrašnjih poslova Republika Srpska (GV)  
In April 2019 the Government of Republika Srpska (Bosnian Serb Republic) approved the sale of five Gazelle helicopters owned by the government's RS Helikopter Service. The five Gazelle helicopters (E7-AAB, E7-SHA, E7-ABI, 12667, 12917), aged 30+ years, had to be sold due to age, wear and tear, malfunctions, lack of maintenance and inability to purchase spare parts. However at the end of September the approval for the sale was withdrawn. RS Helikopter Service (Helikopterskom servisa RS) is an organization charged with supporting the authorities and population of the Republika Srpska. It operates two Bell 206 and one AW119 Koala on behalf of the Ministry of Interior. The second Bell 206 was taken over from the Serbian Interior Ministry.

The AW119 Koala is a new addition to the fleet. It arrived at Banja Luka from the USA in June. It will be mainly used for medical transportation and fire-fighting. Republika Srpska borrowed KM 9.3 million (€ 4.7 million) to buy the helicopter. The new AW119 was presented to the Bosnian Serb President on 10 September. It is most likely the service will order another AW119 Koala.

It has been decided that the services should be separated and the Police have their own fleet. The government has approved a plan to order three helicopters for the Police for a budget of KM 42.163 million (€ 21.5 million). Srpska has shown a big interest in the Russian Ansat helicopter, but a deal has not been concluded yet. According to the procurement plan, the contract should be signed in the third quarter of this year.

In September it was announced that the government was about the purchase a new Cessna Citation CJ4 VIP aircraft

worth US\$ 10.6 million. The deal should have been concluded by the end of October 2019. The new VIP aircraft will arrive by November at Banja Luka where its hangar has already been booked. It will replace the current Cessna Citation 525 CJ1+ (E7-SMS) that was reported grounded since August (but we have seen it flying around again at the end of September!) and which will be auctioned.

<b>AW119</b>			
E7-PCI	Mol	del. 2019	<b>14951</b>
<b>Bell 206B-3</b>			
E7-SHB	Mol	ex YU-HCO	<b>2978</b>

### Bulgaria

Bulgarski Voenno-Vuzdushni Sili (AF)

UMMA = Baranovichi (Belarus)

In November 2018, the Bulgarski Voenno Vzdushnu Sili (BVVS, Bulgarian Air Force) signed a USD 85,5 million contract for the major overhaul of fourteen Su-25s by the 558th Aviation Repair Plant in Baranovichi (Belarus). The negotiations on the details of this contract took longer than originally anticipated, mainly because of the strong regulations against Belarus with regards of the supply of weapons. Finally, on 28 August 2019, the first Su-25 departed Bezmer for Baranovichi.

Unfortunately the contract was downgraded from fourteen to eight aircraft (six single seat and two double seat). Only after the overhaul of the eight aircraft is completed, the Bulgarian Air Force will consider if they will send six more aircraft to Belarus for major overhaul. The overhaul costs for the eight aircraft is calculated at US\$ 49 million.

On 7 October 2019, the last from eight Su-25s (serial 254) departed Bezmer to Baranovichi on board Ruby Star Il-76TD (serial EW-383TH). In fact, all eight aircraft have been transported to Belarus within forty days! The first modernised Su-25 is expected to arrive back at Bezmer in the summer of 2020. Known serials with Scramble Magazine are Su-25UBK 002 and Su-25K 254.

<b>Su-25UBK</b>			
002	22.ShtAB	Overhaul UMMA	

Su-25UK  
254

22.ShtAB

Overhaul UMMA

## Croatia

Hrvatsko Ratno Zrakoplovstvo (AF)

The Zrakoplovno-Techničkom Centrom (ZTC) at Velika Gorica has completed the overhaul of the ten Mi-171Sh helicopters. The contract, worth around US\$ 30.7 million, was carried out in cooperation with Russian Helicopters. On 23 September the overhauled helicopters were presented to the Croatian Defense Minister.

## Czech Republic

Letecká služba Policie (PO)

EDMQ = Donauwörth (Germany)

During a recent visit to the Airbus factory at Donauwörth a new EC-135T2 was noted.

### EC135T2

OK-BYI o/o, as D-HECG Airbus Donauwörth 2096

## Denmark

Flyvevåbnet (AF)

It is reported that the RDAF has 34 F-16 Fighting Falcons left in operational service. The F-16s in the overview below have not been seen active for quite some time.

### F-16AM

E-004	ex Esk 727	l/n aug17	<b>6F-47</b>
E-008	ex Esk 727	l/n aug17	<b>6F-51</b>
E-017	ex Esk 727	l/n aug17	<b>6F-53</b>
E-024	ex Esk 727	l/n aug18	<b>M12-1/61-617</b>
E-107	ex Esk 727	l/n jan16	<b>M12-3/61-660</b>
E-190	ex Esk 730	l/n oct18	<b>6F-17</b>
E-596	ex Esk 730	l/n mar18	<b>6F-31</b>
E-599	ex Esk 727	l/n feb17	<b>6F-34</b>
E-610	ex Esk 730	l/n sep17	<b>6F-45</b>
E-611	ex Esk 727	l/n aug18	<b>6F-46</b>

## Finland

Ilmavoimat (AF)

### F-18C

HN-447 HävLLv 31 ex HävLLv 11 **1473/FNC047** jun19

### F-18D

HN-467 HävLLv 11 ex HävLLv 31 **1298/FND007** may19

### Hawk Mk51

HW-349 HävLLv 41 ex upgrade **312246/301** oct19

HW-350 HävLLv 41 ex std **312247/302** oct19



The first Hungarian H145M 01 captured outside at Donauwörth. (24 October 2019, Alexander Lutz)

## Germany

Luftwaffe (AF)

We already mentioned a couple of times in Scramble Magazine and Scramble Facebook News (SFN) the urgent requirement for the Luftwaffe to replace the German Tornado fleet. Still no official replacement has been selected, but there are currently two options: buying new Eurofighters or buying F/A-18 Hornets. There are some doubts if the Eurofighter will have the capabilities to cope with the nuclear task though. The Eurofighter also still needs approval for the nuclear task which could take at least three years. The F/A-18 Hornet is still in favour as this aircraft is considered as a possible nuclear weapons capable aircraft. The German Luftwaffe asked the US Government about the possible procurement costs but the German Government is divided on the option to buy US jets. We will keep you informed!

### EF2000

30+88	TLG73	ex TLG74	<b>GS067</b> oct19
31+18	TLG73	spec. c/s	<b>183/AS011</b> sep19

The German Air Force has a long tradition with special coloured aircraft. Next to the wonderful coloured Tornados we saw in the last decades, also the German Air Force Typhoon units applied some special colours on their aircraft. EF2000 31+18 is another nice addition to this collection. It is marked with '15 Jahre EF2000 TLG73'. We announced this special colour scheme on Scramble Facebook News (SFN) last September, so check SFN for some pictures.

### H145M

D-HADL	Airbus Heli.	to become 77+07	<b>20274</b> oct19
D-HCBQ	Airbus Heli.	to become 77+06?	? oct19

We can now confirm that the first H145M for the Luftwaffe SAR will become serial 77+07 (instead of serial 77+02 which we mentioned in last month's magazine). Also serial 77+06 had been seen on the production line but the construction number was not readable.

## Hungary

Magyar Légierő (AF)

### H145M

01	o/o,	test registration D-HADI	oct19
02	o/o		

The first two H145s for the Hungarian Air Force were seen at the Airbus factory in Donauwörth in full colours and markings.



During the arrivals of the Ostrava air show an air-to-air photo opportunity was offered and that produced this amazing air-to-air shot of A400M 54+16. (near Ostrava, 20 September 2019, Hans Antonissen)

## Italy

Aeronautica Militare (AF)

### F-2000A

MM7275/36-11	1° RMV	ex 36-11/311° Gruppo	<b>IS007</b>	oct18
MM7275/-	904° GEA	ex 36-11/1° RMV	<b>IS007</b>	oct19

Guardia di Finanza (PO)

The Guardia di Finanza, an Italian law enforcement agency responsible for dealing with financial crime and smuggling, has signed a contract with Leonardo for the supply of three ATR72MPs (MP = Maritime Patrol) and related technical-logistic support services. This contract completes the acquisition of four aircraft, the first order was placed in July 2018, awarded under a European tender. The first aircraft will be delivered by the end of 2019, with the remaining three units expected to be supplied by 2022. The twin-engine turboprop will be capable of performing a number of roles, including maritime patrol, search and rescue, anti-piracy and anti-drug smuggling operations, and surveillance of territorial waters. The Guardia di Finanza already operate four of the shorter ATR42MP version. The ATR72MP is equipped with the modular Leonardo ATOS (Airborne Tactical Observation and Surveillance) mission system. The ATOS manages the wide range of sensors of the aircraft, combining the information received in an overall tactical situation and presenting the results to the operators of the mission system in the most suitable format, providing an excellent and constantly updated scenario.

## Lithuania

Karines Oro Pajegos / Krasto Apsaugos Savanoriskos Pajegos (AF)

Lithuania has decided it would like to replace its three aging Mi-8 helicopters with brand new UH-60Ms. The costs to operate the Mi-8s are increasing every year and parts are more difficult to obtain. The Lithuanian Ministry of Defense

hopes to buy six UH-60Ms, including spare parts, training and infrastructure for about € 300 million in a government-to-government deal through the US Foreign Military Financing program. Negotiations between both governments should start in November. Lithuania aims to receive to first UH-60M around 2024. Lithuania will follow its neighbour Latvia that decided to buy four UH-60Ms in September 2018.

The Lithuanian Air Force still owns six Mi-8T transport helicopters, one Mi-8T that is VIP configured, one Mi-8PS VIP helicopter and one more powerful Mi-8MTV, all ex-Aeroflot. Only about three Mi-8s seem to be serviceable at a time. In 2015 Lithuania acquired three AS365N3+ Dauphin helicopters, but these are used for maritime SAR and surveillance.

## Norway

Norske Luftforsvaret (AF)

### AW101 Mk612

0265	Leonardo MW	ex OT&E	<b>50265/NOR03</b>	sep19
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The AW101 was noted back at Yeovil in September 2019 operating with its test registration ZZ102. It is unknown why the Merlin returned to Yeovil.

### Sea King Mk43B

330	std Kjeller	ex 330 skv	<b>WA1012</b>	sep19
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Kystvakt (CG)

### NH90-NFH (CG)

358	337 skv	d/d 30sep19	<b>1358</b>	oct19
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## Portugal

LPBJ = Beja

Força Aérea Portuguesa (AF)

### Alpha Jet A

15229	pres LPBJ	ex std LPBJ	<b>0091</b>	oct19
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In early October 2019, this previously stored Alpha Jet was inaugurated at the gate of Beja Airbase.

## Serbia

### Ratno Vazduhoplovstvo i Protivvazдушna Odbrana (DF)

On 16 October an An-124 delivered three brand new Mi-17V-5 helicopters from the factory in Kazan (Russia) to Batajnica air base. The big difference with the Mi-17V-5 delivered in 2016, is that these three Hips can be equipped with weapons and armour plates. The previously purchased two Mi-17V-5s will eventually receive armour like the new helicopters. Of the three helicopters delivered, one is tailored to the requirements of the special forces, so instead of the already standard loading and unloading ramps, it has a classic door at the rear of the hull. The new Mi-17V-5s will be operated by the 890. mhe at Batajnica.

#### Mi-17V-5

12493	890.mhe	del.	oct19
12494	890.mhe	del.	oct19
12495	890.mhe	del.	oct19

## Slovenia

### Policija (PO)

#### AW169

S5-HPI Policija Air Support Unit, o/o, ex I-EASL **69102** aug19

S5-HPI is the future registration for this helicopter.

## Spain

LEAB = Albacete

LEGT = Getafe

LEZL = Sevilla/San Pablo

### Ejército del Aire (AF)

#### A400M

T.23-05/31-25	Ala 31	#10..., ex Airbus LEZL	<b>097</b>	sep19
T.23-08/31-28	Airbus LEZL	#10217	<b>101</b>	oct19

#### Beech C90

E.22-02 std LEGT w/o 01dec12 **LJ-621** may19

### Fuerzas Aeromóviles del Ejército de Tierra (AR)

#### NH90-TTH

HT.29-15 Airbus LEAB #10226, f/n, pr c/s **GSPA15** oct19

#### Tiger HAD

HA.28-20/ET-720	BHELA I	#10069, f/n with unit	<b>5015</b>	jan19
HA.28-21/ET-721	BHELA I	#10070, f/n with unit	<b>5016</b>	sep19

## United Kingdom

### Royal Air Force (AF)

With thanks to MAR we can report that during the transfer of the Islander/Defender fleet from the Army Air Corps (AAC) to the Royal Air Force (RAF), also the type designations changed. Both the transfer and the re-designation officially took place on 1 April 2019. The current status is:

Islander R1 (ex Islander AL1)	ZG845, ZG846, ZG848
Defender R2 (ex Defender AL2)	ZG995, ZG996, ZG997 ZG998, ZH001, ZH002 ZH003, ZH005

The single training aircraft on strength (Defender T3, ZG004) did not undergo a type re-designation.

Jane's reports that the Defence Equipment Sales Authority (DESA) has listed the four RAF BAE146 aircraft in a publication. Since the DESA is responsible for selling UK defense equipment and other assets which no longer are required, one can draw the logical conclusion that these aircraft will be retired in the near future. BAE Systems was awarded a maintenance contract for these aircraft last year which lasts until 1 March 2022. Three years ago, a Voyager tanker/cargo aircraft was modified for the VIP transport role and it is believed that this aircraft will take over the role of these four BAE146s. If not required for VIP transport duties, the Voyager can be used for regular tanker/cargo missions.

The RAF has allocated three-digit codes to their F-35B Lightnings. The codes are based on the construction numbers. For example aircraft ZM148 is c/n **BK-14** and it has been allocated code 014. These codes are painted on the fintip and on the nose just before the cockpit.

EGDM = Boscombe Down	EGOS = Shawbury
EGKB = Biggin Hill	EGQS = Lossiemouth

Airbus Military Airbus Military at Madrid-Getafe (Spain)  
Benson Pool 33/230sq at RAF Benson  
CGS/644VGS Central Gliding School and 644VGS pool at RAF Syerston

CMF Chinook Maintenance Unit at RAF Odiham  
GMS Glider Maintenance School at RAF Syerston  
MDMF Merlin Depth Maintenance Facility at RNAS Culdose  
P2MF Puma HC2 Maintenance Flight at RAF Benson  
SERCO Glider depth maintenance by SERCO at RAF Syerston  
StandardAero StandardAero at Fleetlands  
TMU Typhoon Maintenance Unit at RAF Coningsby

#### Atlas C1

ZM400	Airbus Military	see note	<b>015</b>	jul19
ZM409	Airbus Military	ex 24/70sq	<b>034</b>	jul19
ZM410	Airbus Military	ex 24/70sq	<b>038</b>	jul19
ZM412	24/70sq	ex Airbus Military	<b>042</b>	jul19
ZM414	1312Flt	ex 24/70sq	<b>047</b>	jul19

On 12 July 2019, ZM400 returned to RAF Brize Norton from RAF Mount Pleasant (Falklands) where it was used by 1312Flt. On 21 July 2019, the aircraft departed to Madrid-Getafe for maintenance and modifications with Airbus Military.

#### Chinook HC4

ZA713	EGDM	ex StandardAero	<b>M7013</b>	jul19
ZA718	EGDM	ex StandardAero	<b>M7001</b>	jul19



The Police of Luxemburg, or Lëtzebuerg, has acquired two H145Ms. The first is seen here, adorned with a roundel and dark grey colours, but with civil style registration LX-FAA. History repeats, as this serial was used by a Luxembourg Army L-18C fifty years ago. (Donauwörth, 24 October 2019, Alexander Lutz)



Two Belgian Vipers are seen here with commemorative tail markings depicting Spitfires. I bet Putin's pilots would love to take a snapshot of these while being intercepted. (FA57 & FA124, Kleine Brogel, 14 September 2019, Frank Call)

#### Chinook HC5

ZH899	StandardAero	ex 1310Flt	<b>M4478</b>	jul19
ZH904	1310Flt	ex CMF	<b>M4483</b>	jul19

#### Chinook HC6

ZK554	CMF	ex 7sq	<b>M7705</b>	jul19
ZK558	7sq	ex StandardAero	<b>M7709</b>	jul19
ZK563	StandardAero	ex 7sq	<b>M7714</b>	jul19

#### Chinook HC6A

ZA674	StandardAero	ex EGDM	<b>M7004</b>	mar19
ZA710	28sq	ex EGDM	<b>M7003</b>	jul19
ZH776	StandardAero	ex 18(B)sq	<b>M4452</b>	jul19
ZH894	CMF	ex 27sq	<b>M4457</b>	jul19

#### Hawk T1

XX342	std EGOS	ex std EGDM	<b>312166</b>	aug19
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#### Hawk T1A

XX261/CJ	100sq	ex uncoded	<b>312097</b>	jul19
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#### Hawk T2

ZK036/FL	25(F)sq	ex uncoded	<b>RT027</b>	jul19
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#### Juno HT1

During July 2019, ZM510/10, ZM518/18 and ZM532/32 were used by 202sq at RAF Valley.

#### Puma HC2

XW216	P2MF	ex Benson Pool	<b>1129</b>	jul19
XW216	Benson Pool	ex P2MF	<b>1129</b>	aug19
XW217	P2MF	ex Benson Pool	<b>1134</b>	aug19
ZA936	P2MF	ex Benson Pool	<b>1640</b>	aug19
ZJ954	P2MF	ex Benson Pool	<b>1310</b>	aug19

#### Spitfire Ila

P7350/KL-B	BoBMF	ex o/h EGKB	<b>CBAF/14</b>	jul19
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After a lengthy overhaul at Biggin Hill, this Spitfire returned to RAF Coningsby wearing 54sq markings on 25 July 2019. Not long before that, on 11 July 2019 to be exact, Spitfire TE311 departed to Biggin Hill to undergo servicing.

#### Typhoon T3

ZJ807	scrapped	ex std TMU	<b>BT008</b>	jul19
ZK383	TMU	ex 29sq/383	<b>BT028</b>	aug19

Dual-seat Typhoon ZJ807 was the last Typhoon to undergo the Return To Parts treatment. Fourteen of the original sixteen Typhoon T3 jets (ZJ800-ZJ815) have now been scrapped. The other two are ZJ800 (i/a BAE School at Humberside) and ZJ801 (Fatigue Testing at BAE Warton).

#### Typhoon FGR4

ZJ913/913	IX(B)sq	also coded: WS-Y	<b>BS004</b>	jul19
ZJ916/916	29sq	ex TMU	<b>BS007</b>	jul19
ZJ920/920	29sq	ex 12(B)sq/920	<b>BS011</b>	jul19
ZJ923/923	1(F)sq	ex II(AC)sq/923	<b>BS014</b>	jul19
ZJ928/928	29sq	ex TMU	<b>BS019</b>	jul19
ZJ929/929	XI(F)sq	ex 29sq/929	<b>BS020</b>	jul19
ZJ947/947	II(AC)sq	ex 6sq/947	<b>BS040</b>	jul19
ZK310/310	II(AC)sq	ex 6sq/310	<b>BS063</b>	jul19
ZK311/311	XI(F)sq	ex TMU	<b>BS064</b>	jul19
ZK312/312	3(F)sq	ex XI(F)sq/312	<b>BS067</b>	jul19
ZK312	TMU	ex 3(F)sq/312	<b>BS067</b>	aug19
ZK314	i/a EGQS	ex 6sq/314	<b>BS071</b>	jul19
ZK315/315	XI(F)sq	ex 3(F)sq/315	<b>BS074</b>	aug19
ZK324/324	6sq	ex 12(B)sq/324	<b>BS085</b>	aug19
ZK327/327	29sq	ex 12(B)sq/327	<b>BS088</b>	jul19
ZK329/329	3(F)sq	ex II(AC)sq/329	<b>BS090</b>	aug19
ZK332/332	1(F)sq	ex 6sq/332	<b>BS093</b>	jul19
ZK348/348	29sq	ex 3(F)sq/348	<b>BS109</b>	aug19
ZK349/349	to Lossiemouth	ex TMU	<b>BS110</b>	aug19
ZK351/351	1(F)sq	ex TMU	<b>BS112</b>	jul19
ZK352/352	II(AC)sq	ex 3(F)sq/352	<b>BS113</b>	aug19
ZK371	TMU	ex 29sq/(371)	<b>BS132</b>	aug19
ZK431/431	3(F)sq	ex II(AC)sq/431	<b>BS147</b>	aug19
ZK434/434	II(AC)sq	ex IX(B)sq/434	<b>BS150</b>	jul19
ZK438	TMU	ex BAE EGNO	<b>BS154</b>	may19
ZK438/438	29sq	ex TMU	<b>BS154</b>	sep19
ZK439	TMU	ex BAE EGNO	<b>BS155</b>	aug19

Typhoon ZJ940 was SoC 11 June 2019 and allocated to the Typhoon Training Flight at RAF Coningsby for ground instruction purposes.

#### Viking TX1

ZE495/VA	637VGS	see note	<b>33879</b>	jul19
ZE499/VD	637VGS	ex GMS	<b>33883</b>	jul19
ZE553	GMS	ex 632VGS/WA	<b>33912</b>	jul19
ZE587	GMS	ex 622VGS/WS	<b>33934</b>	jul19
ZE595/WY	CGS/644VGS	ex GMS	<b>33943</b>	jul19
ZE602/XB	CGS/644VGS	ex GMS	<b>33946</b>	jul19
ZE605/XE	632VGS	ex GMS	<b>33949</b>	jul19
ZE609/XJ	622VGS	ex CGS/644VGS/XJ	<b>33958</b>	jul19
ZE628/XS	CGS/644VGS	ex GMS	<b>33975</b>	jul19
ZE631/XV	632VGS	ex CGS/644VGS/XV	<b>33978</b>	jul19
ZE637	SERCO	ex CGS/644VGS/YA	<b>33997</b>	jul19
ZE685	GMS	ex 622VGS/YV	<b>34034</b>	jul19

After undergoing maintenance with GMS at RAF Syerston,

ZE495/VA was issued to CGS/644VGS in July 2019. The same month the glider was passed on to 637VGS.

Army Air Corps (AR)

#### Apache AH1

ZJ225 664sq ex 656sq **WAH59** jul19

Previously we reported Apache ZJ171 as being transferred to the Museum of Army Flying at Middle Wallop since 11 February 2019. Probably the helicopter was transported there for a special occasion only, since it was confirmed back in storage at Wattisham by May 2019. It was seen on a low loader again departing Wattisham on 4 July 2019. Its current whereabouts are not yet known.

#### Gazelle AH1

ZB665 665sq ex StandardAero **1932** jul19  
ZB693 665sq ex StandardAero **2009** aug19

#### Wildcat AH1

ZZ408 1Regt ex WST **478** aug19

Fleet Air Arm (NY)

#### Merlin HM2

ZH846 MDMF ex 820NAS **RN26** jul19  
ZH850/(5)83 824NAS see note **RN30** jun19  
ZH854 MDMF ex 814NAS **RN34** jul19

On 18 June 2019, ZH850 was delivered back to RNAS Culdrose following modifications with QinetiQ at Boscombe Down. It is now known that the helicopter has been taken on charge by 824NAS.

## Africa

### Angola

Força Aérea Nacional de Angola (AF)

#### Mi-171Sh

H-640 f/n DB, photo 2019

### Cameroon

Armée de l'Air du Cameroun (AF)

EHAM = Amsterdam-Schiphol, The Netherlands

#### Bell 412EP

TJ-XRA ex N412GC f/n EHAM **36408** oct19

This Cameroon Air Force Bell 412 was transported through Schiphol and was noted on 1 October outside at KLM Cargo. Only the cabin was noted and it was painted in a grey colour scheme.

### Egypt

al Quwwat Al Jawwiya Il Misriya (AF)

#### AB206B-1

... o/o, Police ex Polizia PS-65 **8696** jun19

This former Italian Polizia Jet Ranger was noted at Pratica di Mare in June 2019 during overhaul. It will be handed over to

the Egyptian National Police soon.

#### MiG-17F

2695 wfu f/n DB, photo

#### MiG-21MF

8601 f/n DB, photo

## Ethiopia

Ye Ityopya Ayer Hayl (AF)

EDMN = Mindelheim-Mattsies, Germany

#### G120TP

ETH-01 f/n EDMN jul19

ETH-02 f/n EDMN jul19

The website of Grob Aircraft reports that the Ethiopian Air Force has six Grob G120TPs in service now. According to Ian Carroll they will get ten aircraft in the end. In July 2019 two aircraft were seen at the factory at Mindelheim-Mattsies airport.

#### Su-27UBK

... 5sq w/o 15oct19

## Gabon

Forces Aérienne Gabonaises (AF)

#### Mirage 5G2

504 pres J'burg serial confirmation oct19

As assumed 504 is indeed at the Rhodesfield Engineering School near Johannesburg International Airport, see Google Earth at 6°07'36.81"S, 28°13'37.69"E.

## Kenya

Kenya Air Force (AF)

KFFZ = Mesa-Falcon Field (AZ) LIMF = Turin-Caselle, Italy

#### C-27J

224 f/n LIMF sep19

#### MD530F

... o/o, as N60664 f/n KFFZ **0306FF** oct19

545 o/o c/n update **0305FF** sep19

548 o/o f/n KFFZ oct19

549 o/o f/n KFFZ oct19

The unknown MD530F with civil registration N60664 had 306FF large on the engine covers, most likely this one will become 546.

## Libya

Libyan National Army Air Force (AF)

#### MiG-23MLD

(26144)/144 ex std HLLB LNA AF **2960326144** sep19

This MiG-23 was stored at Benghazi for many years but in January 2018 it was noted during overhaul. In September 2019 photos of the MiG-23 were found on Twitter just before a mission. Only 144 on the nose was readable on this photos,



Two Tu-160M Blackjacks made an historical visit to Waterkloof. RF-94112, bort number 04 red and named "Ivan Yarygin" is seen here and was accompanied by RF-94102, 02 red "Vasily Reshetnikov". (Waterkloof, 25 October 2019, Jonathan Druion)



We think the Norwegian NH-90s look quite nice. This 358 was seen during its delivery flight at De Kooij Naval Air Station. (30 September 2019, Martin Uleman)

so the entire serial is not 100% confirmed.

## Madagascar

Armée de l'Air Malgache (AF)

The CN235M-10, 5R-MUQ, which was delivered in June 2019 to the air force of Madagascar, was noted at Lanseria, South Africa, on 30 September 2019, again as ZU-SOO. This is the same serial as this airframe had before it was delivered to Madagascar. We do not know if it is here for overhaul/update or for another reason. If anybody has any idea or additional information, please let us know.

## Morocco

al Quwwat al Jawwiya al Malakiya Marakishiya (AF)

**Bell412Epi**

...	o/o	as N549RQ	<b>37005</b>	mar19
...	o/o	as N549QC	<b>37006</b>	mar19

## Mozambique

Força Aérea Moçambique (AF)

**Mi-17**

...	f/n, photo	sep19
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A new Mi-17-1V or Mi-17V-5 or Mi-171, the exact type is not confirmed yet, was noted while offloaded from an An-124 (RA-82038) at Nacala airport.

## Senegal

Armée de l'Air Sénégalaise (AF)

**KA-1S**

6W-CAB/02	o/o	f/n
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It seems that Senegal will receive the KA-1 instead of the KT-1. The KA-1 is the light attack version of the KT-1 single-engine basic trainer aircraft developed by Korea Aerospace Industries (KAI). Senegal have ordered four aircraft, most likely the 6W-CAA till 6W-CAD.

**Mi-24/35**

...	w/o 27sep19
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Not sure if one of the former Slovak Mi-24Vs crashed on this date or a Mi-35P.

## South Africa

South African Air Force/Suid Afrikaanse Lugmag (AF)

FDMS = Manzini-Matsapha, Swaziland

**SA316B**

117	ex 10 A.D.	std FDMS	<b>1848</b>	sep19
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This Alouette 3 was noted inside a hangar at the eSwatini

Ligwalagwala Airshow at Matsapha airport, most likely the airframe is used for spare parts. We had this Alouette as last noted at the 10th Air Depot of the South African Air Force at Thaba Tshwane, a military depot located near Pretoria.

## South Sudan

Sudan People's Liberation Army

**An-26**

SP-401	ex 7715	ex Sudan AF	<b>13307</b>	oct19
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This An-26 overran the runway on landing at Yambio, South Sudan. The construction number was mentioned at ATDB, which makes it the former Sudan Air Force 7715. SP-401 was first noted at Juba in June 2017.

## Sudan

al Quwwat al Jawwiya as-Sudaniva (AF)

**An-26**

7715	to SP-401	of South Sudan	<b>13307</b>
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## Kingdom of eSwatini

Umbufo eSwatini Defence Force (AF)

**SE3160**

EDF-002	active	ex SDF-002	<b>1026</b>	sep19
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EDF-003	active	ex SDF-003	<b>1459</b>	sep19
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SDF-002	reregistered	as EDF-002	<b>1026</b>
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SDF-003	reregistered	as EDF-003	<b>1459</b>
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Both Alouette 3s were noted with the new serials during the eSwatini Ligwalagwala Airshow 2019 held at Matsapha airport. Swaziland was renamed to Kingdom of eSwatini in 2018 and the Air Wing is now part of the Umbufo eSwatini Defence Force. Both Alouettes were noted stored at Matsapha airport many years ago, but luckily became operational again. The EDF-003 still had SDF-003 on the radio callsign plate.

## Asia

### Afghanistan

Afghan Air Force (AF)

On 15 October 2019, the Indian government handed over the last two Mi-35s to the Afghan Air Force (AAF). Both helicopters are former Belarus Air Force and carry serials 125 and 126. The two complete the current active fleet of eight Mi-35 attack helicopters. In March 2018, Afghanistan, Belarus and India inked a trilateral pact for refurbished Mi-24/Mi-35 helicopters.

In December 2015, three ex Indian Air Force Mi-35s were



Seen stored in a hangar at Takoradi last year was this Ghanaese Cessna 172 9G-GAG. Its allocated military serial, G115, can just be seen on its tail. (28 June 2018, Frank Mink)



The Ghanaese Air Force operates three DA42NG-MPPs. (GHF-122, Takoradi, 28 June 2018, Frank Mink)



The Ghanaese Z-9s are mostly operated by 3 squadron from Accra although they seem to have one permanently based at Takoradi as well. (GHF-632, 28 June 2018, Frank Mink)

handed over to the Afghan Air Force (serials 119, 121 and 122), followed by one more (serial 120) in February 2016. The first two refurbished ex Belarus Mi-35s were handed over on 16 May 2019 (serials 123 and 124), followed by the ones handed over in October 2019.

#### MD530F

291	d/d aug19	<b>0291FF</b>
294	d/d aug19	<b>0294FF</b>
295	d/d aug19	<b>0295FF</b>
296	d/d aug19	<b>0296FF</b>
297	d/d aug19	<b>0297FF</b>
298	d/d aug19	<b>0298FF</b>
299	d/d aug19	<b>0299FF</b>

#### Mi-35

125	Kabul RWS	ex Belarus, h/o 15oct19	oct19
126	Kabul RWS	ex Belarus, h/o 15oct19	oct19

### Bangladesh

Bangladesh Biman Bahini (AF)

#### K-8W

19329	o/o Hongdu	f/n	sep19
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BAF ordered an undisclosed additional number of K-8Ws in a government-to-government deal with China in 2018. The first shot of one appeared on Chinese internet bearing the serial 19329, indicating a delivery in this fiscal year. Whether all 23 required were actually ordered remains unclear.

Bangladesh Navy (NY)

Do228NG 314-01/S3-VHQ was redelivered from Oberpfaffenhofen, routing through Heraklion 13 October 2019. The same crew is likely to bring back the second one for overhaul too.

### Cambodia

Force Aérienne Royale Cambodge (AF)

#### L-39

In addition to the six originally bought L-39Cs it is the intention of the government to purchase another three or four L-39 aircraft. This was announced by Prime Minister Hun Sen during the visit of Czech Prime Minister Andrej Babiš to the country.

### China

People's Liberation Army Air Force (AF)

#### GJ-1 Wing Loong 1

53035	WTC/UAV Brigade	oct19
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#### H-6K

41075	36th Div/108th Reg	<b>02467</b>	oct19
41177	36th Div/108th Reg	<b>02478</b>	oct19
41276	36th Div/108th Reg		oct19

#### H-6N

55032	CTC	<b>24N005</b>	oct19
55033	CTC	<b>24N006</b>	oct19

#### HYJ-7

1323/33	Harbin FA/2nd Brigade		oct19
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#### J-8F

72200	109th Brigade		oct19
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#### J-10B

61069	5th Brigade		oct19
61161	5th Brigade		sep19
61169	5th Brigade		oct19
67227	61st Brigade	<b>J10B0123</b>	oct19

#### J-10C

61037	2nd Brigade	f/n, photo	
61131	2nd Brigade	f/n, photo	
68135	72nd Brigade		oct19
68136	72nd Brigade		oct19
68138	72nd Brigade		oct19
68231	72nd Brigade		sep19
68232	72nd Brigade		sep19
68233	72nd Brigade		sep19
68235	72nd Brigade		sep19

#### J-11B

61122	1st Brigade		oct19
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#### J-16

61287	7th Brigade	<b>0421</b>	oct19
61288	7th Brigade		sep19
70290	98th Brigade	<b>0320</b>	oct19

#### JH-7A

64244	31st Brigade		oct19
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#### JL-8

02	Red Falcon Display	ex 12	<b>1032003</b>	oct19
3141/11	Xi'an FA/4th Brigade			oct19
3342/32	Xi'an FA/4th Brigade			oct19
3349/39	Xi'an FA/4th Brigade			oct19

#### JL-9

1139	Harbin FA/3rd Brigade		oct19
1731	Harbin FA/3rd Brigade		oct19
1732	Harbin FA/3rd Brigade		oct19
1733	Harbin FA/3rd Brigade		oct19
1734	Harbin FA/3rd Brigade		oct19



No less than fifteen NC212-200Ms are active with SkU600 at Surabaya. NC212s U-6207 and U-6208 are seen here together on the ramp of Tangerang. (1 October 2019, Jan Gerrits)



Still three Fokker F27s are in active service with the Philippine Air Force. F-27 10620 was photographed on the ramp of their home base Cebu. (7 October 2019, Hans Jacobs)

1735	Harbin FA/3rd Brigade		oct19	<b>Z-9WZ</b>					
<b>JL-10</b>				LH951916	81st Brigade				oct19
2516/56	Shijiazhuang FA/1st Brigade		oct19	LH951918	81st Brigade				oct19
<b>JL-10A</b>				LH951921	81st Brigade				oct19
2213/23	Shijiazhuang FA/1st Brigade		oct19	LH951925	81st Brigade				oct19
2812/82	Shijiazhuang FA/1st Brigade		oct19	<b>Z-10</b>					
2814/84	Shijiazhuang FA/1st Brigade		oct19	LH952108	82nd Brigade				oct19
<b>KJ-500</b>				LH952110	82nd Brigade				oct19
30078	26th Div/76th Reg	<b>471803</b>	oct19	LH952112	82nd Brigade				oct19
30170	26th Div/76th Reg	<b>471805</b>	oct19	LH952121	82nd Brigade				oct19
<b>WZ-8 (UAV)</b>				LH952122	82nd Brigade				oct19
21311	10th Div/29th Reg		oct19	LH952126	82nd Brigade				oct19
21312	10th Div/29th Reg		oct19	LH952127	82nd Brigade				oct19
The WZ-8 was showcased during the 70th birthday parade in Beijing. Given the two hooks on the top the UAV is supposed to be launched from H-6 bombers and the serial allocation confirms these birds are operational within an H-6 Regiment.									
<b>Y-8</b>				LH952128	82nd Brigade				oct19
3256/26	Xi'an FA/5th Brigade		oct19	LH981116	74th Brigade				oct19
3355/35	Xi'an FA/5th Brigade		oct19	LH981117	74th Brigade				oct19
<b>Y-8G (GX4)</b>				LH981137	74th Brigade				oct19
30018	20th Div/58th Reg	<b>401802</b>	oct19	<b>Z-19</b>					
<b>Y-9</b>				LH951505	81st Brigade				oct19
10151	4th Div/10th Reg		oct19	LH951508	81st Brigade				oct19
10657	4th Div/11th Reg		oct19	LH951518	81st Brigade				sep19
<b>Y-9G (GX11)</b>				LH951519	81st Brigade				sep19
31017	20th Div/60th Reg	<b>401804</b>	oct19	LH952507	82nd Brigade				oct19
<b>Y-9JZ (GX8)</b>				LH952509	82nd Brigade				oct19
31015	20th Div/60th Reg		oct19	LH952510	82nd Brigade				oct19
<b>Z-8K</b>				LH952512	82nd Brigade				oct19
51711	ETC/Transport & SAR Brig		may18	LH952516	82nd Brigade				oct19
<b>Z-8KA</b>				LH990981	81st Brigade				oct19
6120	15th Airborne Army ex 6266	<b>Z8KA-10</b>	oct19	LH982507	121st Brigade				oct19
<b>Z-10K</b>				<b>Z-20</b>					
6235	15th Airborne Army		oct19	LH982211	121st Brigade				oct19
People's Liberation Army (AR)									
<b>Mi-17V-5</b>				LH982213	121st Brigade				oct19
LH951727	81st Brigade		oct19	People's Liberation Army Navy (NY)					
<b>Mi-171E</b>				<b>J-15</b>					
LH972735	77th Brigade		oct19	18	CAW	ex 118	<b>0209/H1111118</b>		oct19
<b>Z-8B</b>				20	CAW	ex 120	<b>0211/H1111120</b>		oct19
LH952817	82nd Brigade		oct19	<b>KJ-500H</b>					
LH963816	80th Brigade		oct19	(...)/04			<b>471802/H2031004</b>		oct19
LH990803	81st Brigade		oct19	(...)/06					oct19
<b>Mi-17V-5</b>				<b>Y-8JB</b>					
LH951727	81st Brigade		oct19	(9351)/35	2nd Div		<b>170804/H2021035</b>		oct19
<b>Mi-171E</b>				<b>Y-8Q</b>					
LH972735	77th Brigade		oct19	82016	1st Div				oct19
<b>Z-8B</b>				(...)/85			<b>501801/H2032085</b>		oct19
LH952817	82nd Brigade		oct19	(...)/86			<b>501802</b>		oct19
LH963816	80th Brigade		oct19	(...)/88					oct19
LH990803	81st Brigade		oct19	<b>Y-9JZ (GX8)</b>					
				(9211)/21	2nd Div		<b>311801</b>		oct19

**KJ-200**  
(9421)/42 2nd Div **231801/H2021042** oct19  
Manufacturers

**Z-20F**  
... HAIC oct19  
In October the first clear pictures were published of the new, naval version of the Z-20. The helicopter in a grey colour scheme is intended for shipborne operations and is equipped with foldable rotor blades and a folding tail. In order to achieve that the tailwheel has been moved forward, compared to the army version. It is believed that the ASW version is called the Z-20F and that the helicopter will be operated first from the new 055 class of DDG ships.

Police (PO)

**AW139**  
12001 Tianjin Police ex I-EAST **31842** oct19  
53001 Yunnan Police ex I-EASS **31732** oct16

**India**

**Bharatiya Vayu Sena (AF)**  
On 8 October 2019, Indian Defence Minister Rajnath Singh officially received the first Dassault Rafale fighter aircraft at the Dassault production-line in Bordeaux/Merignac (France). The government-to-government deal covers 36 aircraft that will be provided in a flyaway condition, the aircraft will be delivered starting in October 2019. The last Rafale is expected to be delivered by April 2022. However, it will be only in September 2022 that the full complement of the ordered Rafales will be available with the India-Specific Enhancements in place.

The latest information from India is that the first Rafales are expected to touch down on Indian soil in May 2020. The first unit to be equipped is 17 Squadron 'Golden Arrows' at Ambala Air Force Station (state of Haryana, India).

**AH-64E(I)**  
ZV4809 125HU d/d sep19 sep19  
ZV4810 125HU d/d sep19 sep19  
ZV4811 125HU d/d sep19 sep19  
ZV4812 125HU d/d sep19 sep19

**Mi-17-1V**  
Z2893 ex UN 885 **223M..** oct19

**Mi-17V-5**  
ZP5229 158HU w/o 27feb19

**Rafale DH**  
RB007 Dassault Aviation f/n sep19

**Indonesia**

Tentara Nasional Indonesia - Angkatan Udara (AF)  
SMK = Sekolah Menengah Kejuruan (Vocational High School)

STTA = Sekolah Tinggi Teknologi Adisutjipto (Technical College)  
WIHH = Halim Perdanakusuma  
The Air Force took delivery of the first two of eight CH-4B Medium-Altitude Longe Endurance (MALE) UAVs supplied by China Aerospace Science and Technology Corporation (CASC). Leading up to the force's 74th birthday celebration, one was spotted flying in full TNI-AU colours. Although, during the celebrations on 5 October itself, two were merely parked on the static. This B-version can be armed and serials nor operating unit are known yet.

**AS202/18A3**  
LM-2018 i/a STTA ex SkaDik 101, l/n jul00 **198** aug19  
It was handed over on 9 November 2018. They already had two SF260s for a while, refer below.

**SF260MS**  
LK-2609 std WIHH ex SKU2, SGP 124 **129/13-05** oct19  
LK-2614 i/a SMK1 ex SKU2 oct19  
LK-2615 i/a STTA f/n apr15, ex SKU2 aug19  
LK-2616 pres Malang f/n 07apr16, ex SKU2 apr16  
LK-2618 p.SMK Gutama grey c/s, ex SKU2 may10

LK-2609 clearly has LK-2620 visible under the paint. As far as we know, only LK-2601 to LK-2619 were delivered from Singapore and we suspect this aircraft to have swapped serials back and forth. The SMK Angkasa 1 is west of Halim Perdanakusuma, the aircraft sits in an open shed at S6.25547°, E106.89171°. Malang's Matos shopping mall got its Marchetti a while ago already. However, we think this was only on temporary display and may have gone back to Malang Air Base. Lastly, LK-2618 is preserved in the front yard of the SMK Penerbangan Gutama vocational school in Jakarta, S6.25387°, E 106.87963°, just Northwest of Halim. This just leaves LK-2604 (probably 'Jupiter 204' at Nyambu), LK-2613, and LK-2619 unaccounted for. On of these sits next to LK-2609/20 at Halim Perdanakusuma.

**SF260WS**  
LK-2608 i/a STTA f/n apr15, ex SKU2 aug19

Polisi Udara (PO)  
The Police has acquired nine AW169 and two AW189 helicopters to add to their strange mix of different aircraft. These are due next year and the AW169s will be spread over various regions like the Bölkows are now.

**Japan**

RJNA = Nagoya/Komaki RJJOY = Yao  
ADTW = Hiko Kaihatsu Jikk. AGG = Hiko Kyodogun  
ARW = Koku Kyunandan FTS = Kyoiku Hikotai  
FTW = Hiko Kyoikudan nmks = no tail unit-number

Nihon Koku-Jieitai (AF)

**KC-46A**  
... **xxxxx/1207**



Seoul International Aerospace and Defense Exhibition 2019 saw the first public display of an F-35A of the Republic of Korea Air Force. The RoKAF has ordered forty F-35As. Aircraft 19-007 is one of eight delivered so far. (Seongnam, 14 October 2019, Jochem Manders)



Next to the Air Force of Indonesia, also the Indonesian Navy operates a couple of CN235s. CN235-220MPA P-8305 is normally based at Surabaya but was seen here on the ramp at Tangerang. (1 October 2019, Jan Gerrits)

The first line number is now known and the Japanese serial is rumoured to be 14-3611. The first digit indicates the JASDF has planned the delivery to be in 2021. Let us see if Boeing can deliver. Apparently a total of six KC-46As is to be procured. A new unit/hikotai will be established under 3 Yuso Kokutai with home base Miho. At that time the T-400 unit 41 Kyoiku Hikotai will be relocated to Hamamatsu under 1 Kokudan.

#### E-2D

Some controversy over the total number of E-2Ds the JASDF is to procure. Money was allocated in the FY2014 budget to start a study into the next AEW aircraft. In FY2015, 2016 and 2018 money for one aircraft each year was allocated and in FY2019 money for nine aircraft was allocated, so that makes twelve E-2Ds. However in the FY2018 budget, "some" money was re-allocated to the supplementary FY2017 budget in order to acquire another E-2D. So we now think the total is thirteen. For the moment the only E-2D delivered to the JASDF, 91-3471, is still without unit-badge so probably still being tested and evaluated.

#### F-2A

13-8513	3 Hikotai	special mks	<b>1013</b>	sep19
13-8521	o/h RJNA	nb, ex 8Hik (l/n jun17)	<b>1021</b>	oct19
33-8522	3 Hikotai	nb, ex IRAN	<b>1022</b>	oct19
43-8530	3 Hikotai	ex nb, ex 6 Hikotai	<b>1030</b>	oct19
93-8549	8 Hikotai	ex ADTW	<b>1049</b>	oct19
93-8553	ADTW	ex 8 Hikotai	<b>1053</b>	oct19
13-8557	6 Hikotai	unit now known	<b>1057</b>	sep19

3 Hikotai will relocate to Hyakuri before the end of this Fiscal Year (March 2020) and to commemorate this, F-2A 13-8513 was decorated with special markings including the text 'Many Thanks Misawa'. 521 was finally seen after going unnoticed for more than two years.

#### F-2B

23-8115	21 Hikotai	ex 6 Hikotai	<b>3015</b>	aug19
43-8125	o/h RJNA	nb, test, ex 3 Hikotai	<b>3025</b>	oct19

#### F-4EJ Kai

57-8357	ADTW	ex nb/IRAN	<b>M057</b>	apr19
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This was the last Japanese Phantom leaving the Mitsubishi HI complex at Nagoya after overhaul/IRAN.

#### F-15DJ

82-8092	203 Hikotai	ex 304 Hikotai		oct19
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92-8096	AGG	mat-black/grey c/s		oct19
<b>F-15J</b>				
12-8803	303 Hikotai	ex 306 Hikotai	<b>J1-0553</b>	sep19
22-8806	204 Hikotai	ex IRAN	<b>J1-0569</b>	oct19
22-8809	204 Hikotai	ex 201 Hikotai	<b>J1-0591</b>	sep19
22-8810	o/h RJNA	nb, ex 305 Hikotai	<b>J1-0600</b>	sep19
22-8811	204 Hikotai	ex IRAN	<b>011</b>	oct19
32-8818	204 Hikotai	ex IRAN	<b>018</b>	oct19
42-8831	305 Hikotai	ex nb/IRAN	<b>031</b>	oct19
52-8845	23 Hikotai	prev. l/n aug18	<b>045</b>	oct19
52-8852	23 Hikotai	ex 305 Hikotai	<b>052</b>	oct19
52-8856	305 Hikotai	ex IRAN	<b>056</b>	oct19
52-8862	305 Hikotai	ex 23 Hikotai	<b>062</b>	sep19
62-8867	23 Hikotai	nb, ex IRAN, ex 303 Hik.	<b>067</b>	oct19
72-8882	o/h RJNA	nb, ex 303 Hikotai	<b>082</b>	oct19
72-8885	23 Hikotai	ex 303 Hikotai	<b>085</b>	oct19
72-8893	305 Hikotai	ex IRAN	<b>093</b>	oct19
82-8905	203 Hikotai	ex 304 Hikotai	<b>105</b>	oct19
02-8921	201 Hikotai	nb, ex IRAN	<b>121</b>	oct19
22-8939	201 Hikotai	ex IRAN	<b>139</b>	sep19
32-8941	o/h RJNA	nb, ex 304 Hikotai	<b>141</b>	oct19
32-8943	o/h RJNA	nb, ex 204 Hikotai	<b>143</b>	sep19
52-8954	303 Hikotai	ex 304 Hikotai	<b>154</b>	sep19

#### F-35A

99-8715	Mitsubishi HI	f/n, test at Nagoya	<b>AX-15</b>	oct19
99-8716	Mitsubishi HI	f/n, test at Nagoya	<b>AX-16</b>	oct19

#### CH-47J

27-4488	RJSM HAS?	unit nn	<b>5065</b>	sep19
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Only a few Chinooks left with unit sticker. It was seen operating near Funabashi, Chiba prefecture, so Iruma would make more sense as base. However due to the flooding caused by typhoon Hagibis it is possible helicopters from further away were directed to the stricken areas.

#### UH-60J

08-4591	ARW	o/h RJNA	<b>2041</b>	oct19
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#### UH-60J II

98-4609	Mitsubishi HI	not yet noted	<b>2059</b>	
98-4610	Mitsubishi HI	f/n, test at Nagoya	<b>2060</b>	oct19

#### RQ-4B

... 3x RQ-4B to be procured/acquired in FY2019

#### T-4

16-5664	32 FTS	30th ann. 32FTS mks	<b>1064</b>	oct19
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86-5607 13 FTW ex ADTW, grey **1007** oct19  
 96-5775 31 FTS special c/s **1175** oct19  
 One could say the Blue Impulse is considered to be an (the most?) important unit within the JASDF. They now have eight T-4s flying again after the grounding and can now continue to fly their normal routines. Also both training bases (Ashiya and Hamamatsu) have an increasing number of T-4s up in the air again. The only other unit noted flying the T-4 is Shireibu Hikotai at Iruma.

**T-7**  
 86-5949 ADTW ex 11 FTW **49** oct19

**T-400**  
 21-5061 41 FTS nb/IRAN at Nagoya **TX-11** sep19

**U-125A**  
 22-3020 ARW ex IRAN **258513** oct19  
 Noted at Komatsu and Hamamatsu.

Rikujo Jieitai (AR)

**UH-1J**  
 41803 SU seen at RJOY **1J03** sep19  
 41830 SD Fuji Hikohan, ex (SU) **1J30** sep19  
 41838 IX ex no unit-code **1J38** sep19  
 41840 MH ex Utsunomiya (jun14) **1J40** oct19  
 41858 III? unit surmized **1J58** sep19  
 41863 VI NOT w/o **1J63** jul18  
 41889 EH w/o 21jun19 **1J89** jun19

JG-1803 was seen at Yao, however the white code (last-three of the serial) applied to indicate a training aircraft was removed. So it could become a future MH or III coded asset. JG-1830 and JG-1840 are also former Utsunomiya Kou aircraft

**UH-60JA**  
 43134 VIII ex IRAN(jan18) **4034** oct19

Kaijo Jieitai (NY)

**SH-60K**  
 8456 23 Kokutai ex 22 Kokutai **5056** sep19  
 8462 Mitsubishi HI f/n, test at Nagoya **5062** oct19

**P-1**  
 5521 1 Kokutai ex nmks **21** oct19  
 5523 3 Kokutai? at Atsugi, nmks **23** sep19  
 5524 Kawasaki HI f/n, test at Gifu **24** sep19

**P-3C**  
 5076 5 Kokutai? nmks, ex IRAN **9073** oct19  
 5092 2 Kokutai ex 1 Kokutai **9089** sep19  
 5093 5 Kokutai nmks **9090** sep19

**U-36A**  
 9201 91 Kokutai IRAN at Tokushima **36A-054** aug19  
 9206 91 Kokutai ex IRAN **36A-061** sep19

### Kaijō Ho'an-chō (CG)

**Falcon 2000MSA**  
 JA573A/MAJ573 11th Region at Naha **342** sep19  
 First Falcon 2000MSA inducted into the JCG and named. The Japanese characters spell out "Chi.yu.ra.ta.ka".

### Pakistan

Pakistan Fiza'ya (AF)

**F-16B MLU**  
 82601 11(MR)sq upgraded, l/n apr10 **5H-1** sep19

**T-37B**  
 67-736 Basic FTW f/n, ex USAF 67-14736 **40989** oct19  
 67-755 Basic FTW f/n, ex USAF 67-14755 **41011** oct19  
 68-053 Basic FTW f/n, ex USAF 68-8053 **41158** oct19  
 68-065 Basic FTW f/n, ex USAF 68-8065 **41170** sep19

Pakistan Fauj (AR)

Turkish defence media report that the first two T-129 Atak helicopters for Pakistan are under production and the 30 ordered can be delivered in the planned 2021-22 timeframe. However, there is still no export license for the LHTEC (Honeywell/Rolls-Royce) CTS800 engine. Turkey is busy developing an engine of their own, the TUSAS Engine Industries (TEI) TS1400. But that will take some years before it is ready to be integrated. Alternative would be to turn to France and get one of their engines. SAFRAN, the former Turbomeca, lost the tender for the T-129 engine to LHTEC in the first instance, so that will be a nice negotiating position for the French...

### Philippines

Pilipinas Hukbong Himpapawid (AF)

On 7 October restoration work started on seven UH-1



The RoKAF operates seven Ka-32As, designated as HH-32A, with 235 Search and Rescue Squadron. At ADEX 2019 it was announced that Russia's Rostec State Corporation has offered an update with a new glass cockpit and new engines. (Seongnam, 15 October 2019, Jochem Manders)



A rare sight on this Republic of China Air Force F-CK-1D 1613: two Wan Chien (Ten Thousand Swords) cruise missiles. The Wan Chien is a locally developed missile that brings the People's Republic of China's southern coast in Taiwan's reach. (Tainan, 8 October 2019, Jochem Manders)

helicopters in order to get them back to flying status. The restoration is made possible as the spare parts were provided by Japan. These were received at 410th Maintenance Wing at Clark AFB in March 2019. The report states that currently fourteen UH-1H and four UH-1H Huey II helicopters are operational and all fly with 205th Tactical Helicopter Wing. It can be expected also a few former German UH-1Ds might also be involved.

#### Hukbong Katihan NG Pilipinas (AR)

On 3 October 2019 the Army Aviation Battalion was upgraded to the newly established Army Aviation ("Bagwis") Regiment (AvnR (P)). The Army Commanding General Lt. Gen. Macairog Alberto mentioned that this is the first step in an extension of the Army Aviation element, with reconnaissance, air assault and medical evacuation helicopters expected to be entering the Regiment. Of course most of the missions flown will be in the fight against terrorism and the communist insurgency.

**Ce P206**  
911 ex 201 **260** oct19

#### Singapore

Republic of Singapore Air Force (AF)

YPJT = Jandakot, Australia

**S.211**  
342 to N250CF ex std YPJT **034/02-023** oct19

This S211 was noted at the Fort Worth Alliance (TX) airshow, it had code 023 on the nose. The aircraft was withdrawn from use in 2008 and was noted stored at Perth-Jandakot in October and November 2009. From here it was sold to IAP Group Australia Pty Ltd. In March 2019 it was taken up in the US Federal Aviation Administration (FAA) register.

#### South Korea

Han Guk Gong Gun (AF)

Some unit/type news: The Fighter Squadron operating the F-35A from Cheongju is a former F-15K unit 151 Fighter Squadron and not a former F-4E Phantom unit. Both 152 and 156 Fighter Squadrons were disbanded. Also 205 Fighter Squadron was completely disbanded. 10 FW now only operates the KF-5E/F Tigers, all F-5E/Fs were retired by 2015.

Procurement of more FA-50s is discontinued in favour of the KF-X project. A full-size mock-up of the KF-X was displayed at the ADEX 2019 static and has many F-22/F-35 design features. However according to experts this twin-engine design lacks several real stealth qualities. First flight is planned for 2022 and it is set to replace the F-4E and KF-5s. However, the first unit set to receive the KF-X is rumoured to be 102 Fighter Squadron, now operating the F-15K.

Probably all KAI KT-100s are delivered and operating from

Seongmu.

**F-5E**  
50-459 Seongnam ex Gangneung **R1227** oct19  
50-460 Seongnam **R1228** oct19  
61-652 10 FW badge ex 8 FW **R1350** oct19

The first two are reported to be preserved at Seongnam. 61-652 was seen on the ADEX2019 static, however 10 FW no longer operates non-indigenously manufactured Tigers so it is probably also withdrawn from use.

**KF-5E**  
10-576 10 FW 10 FW badge **KE1019** oct19

**F-35A**  
18-002 17 FW ex 944th OG **AW-02** oct19  
19-009 LockheedMartin f/n, at Ft.Worth, TX **AW-09** sep19  
19-010 LockheedMartin f/n, at Ft.Worth, TX **AW-10** sep19  
19-011 LockheedMartin f/n, at Ft.Worth, TX **AW-09** sep19

**KC-330 Cygnus**  
EC-333 Airbus at Cambridge **1891/MRTT053** oct19  
Arrived at Cambridge for painting in RoKAF colours, set to become 19-004.

**KT-100**  
16-019 212 FTS/AFA f/n oct19  
16-023 212 FTS/AFA f/n oct19

This type replaced the Ilyushin T-103 with the Air Force Academy at Seongmu. 23 were needed and as we have sightings for the first and last one, we can safely say they all are in the 16-001 to 16-023 range.

Han Guk Yuk Gun (AR)

**KAI LAH**  
002 KAI to replace AH-1/MD500 **002** oct19  
First flight was conducted in July 2019 and the second prototype(?) was seen at ADEX2019 displaying its capabilities. This helicopter, based on the Airbus H155, will eventually replace the AH-1 and MD500 helicopters in the RoKA. It is planned around 200 will be acquired.

#### Thailand

Royal Thai Army (AR)

**Enstrom 480B**  
5246 o/o ex N863ZE **5246** oct19  
5247 o/o ex N868JE **5247** oct19  
5248 o/o ex N868KJ **5248** oct19

In October all three US test registrations were cancelled following the export of the helicopters to Thailand.

Police (PO)

**Bell 412EPi**  
2612 o/o ex N861RT **37038** oct19  
2613 o/o ex N865RB oct19

On 21 October (2612) and 17 October (2613) were flown from

Seletar to Hat Yai and from there to Don Muang on delivery, still with their US test registration taped on the helicopter.

KASET (AG)

#### NC212i

1544 o/o ex AC-2124 **N115** oct19

This is the first of two additional aircraft for KASET that passed through Hat Yai on 24 October 2019 on delivery.

## Latin America

### Argentina

Fuerza Aérea Argentina (AF)

SAZT = Tandil/Héroes de Malvinas, BA

#### IAI Finger

"C-433" p.Luján de Cuyo ex std SAZT oct19

It was installed at a roundabout, where Juan José Paso meets San Martín, S32.96567°, W68.85410°, in this Mendoza suburb. Painted to represent a Dagger that perished on 1 May 1982 it is the second preserved Mirage bearing this fake registration. The other is worn by a Mirage 3CJ at Laboulaye aeroclub, Córdoba.

### Brazil

Força Aérea Brasileira (AF)

#### SC-105

6551 Airbus Military on order, f/n fcs sep19 **181** oct19

Comando da Força Aeronaval (NY)

SBGP = Gavião Peixoto/Embraer

On 6 September, the Navy received its fifth upgraded AF-1B Skyhawk, N-1013. The programme originally called for nine single seat and three two seat aircraft of the 23-strong fleet to be upgraded. However, due to budget constraints, only six single seat and two duals are being upgraded. The eight aircraft involved are single seaters N-1001(#2), 1004(#8), 1008(#4), 1011(#1), 1013(#5), and 1014 and duals N-1022(#3) and 1023. Of these, N-1004, 1014 and 1023 are still to be redelivered, with N-1004 being the eighth and last, arriving at Gavião Peixoto earlier this year. N-1014 and N-1023 have been with EMBRAER since 2014. Also, upgraded N-1011 was lost in a crash after it was hit in mid-air by N-1001 that survived.

#### AF-1B

N-1004 EMBRAER arrived SBGP 28mar19 **14554** mar19

N-1013 VF-1 upgraded, del 06sep19 **14566** sep19

On 21 October, the N-1013 was heavily damaged unfortunately.

### Chile

Fuerza Aérea de Chile (AF)

#### Bell 412EP

H-56 Grupo 5 f/n dbase sep19

Comando de Aviación del Ejército de Chile (AR)

#### HU-53 (MD369FF)

H-132/Co.Chena' Bat.de Helic. name update sep19

## Colombia

Fuerza Aérea Colombiana (AF)

#### Ce550

FAC1211 wfu 27sep19 **550-0582**

After 31 years of service, this Citation II was retired. It has logged 6,800 hours with the FAC and will move to the Museo Aeroespacial Colombiana in Tocancipá, north of Bogotá.

#### OH-58A+

FAC4539/39 c/n update for sale for scrap **41068** oct19

FAC4545/45 c/n update for sale for scrap **40666** oct19

## Ecuador

Fuerza Aérea Ecuatoriana (AF)

#### A-37B

FAE-377 pres Azegues ex Esc2311 l/n jan00 aug19

It has been here in the Parque del Migrante for many years, at least since November 2012, S2.74864, W78.84934.

## Guatemala

Fuerza Aérea de Guatemala (AF)

#### DHC-6-400

1730 d/d 27sep19 ex C-GLVA **972**

## Honduras

Fuerza Aérea Hondureña (AF)

#### Ce210

290 AAE w/o 11oct19

## Mexico

Fuerza Aérea Mexicana (AF)

MMMX = Mexico City/Benito Juarez (CDMX)

MMSM = Santa Lucia (MEX)

#### Bell 206L-3/4

1671 i/a UANL-FIME mar19

1679 EA.111 w/o 03oct19

#### Ce182S

5442 i/a UANL-FIME **182-80630** mar19

The Universidad Autonoma de Nuevo León – Facultad de Ingeniería Mecánica y Eléctrica (UANL-FIME) in San Nicolás de los Garza near Monterrey (N.L.), received above Bell 206L and Cessna 182 for instruction on 15 March 2019.

#### DC-3C

TP-0202 to MMSM ex pres MMMX **43083**

As if disbandment of the presidential air fleet was not enough, this DC-3 will soon leave the presidential compound for the Museo Militar de Aviación.

#### UH-60M

1066 f/n, photo sep19



The Peruvian Air Force operates a single Learjet 45 in the Medevac role. Ian French was on the ramp at Lima-Callao-International Jorge Chavez and photographed Learjet 45XR with serial 526. (10 October 2019)



A couple of Su-25s are seen on the ramp at the SEMAN plant in Las Palmas (Peru) after receiving depot maintenance. Both aircraft are assigned to the Grupo Aéreo N°11 based at Talara. (10 October 2019, Ian French)

T-6C+			
2030	EA.203	f/n, photo	sep19
2040	EA.204	f/n, photo	sep19
2041	EA.204	f/n, photo	sep19
2045	EA.204	f/n, photo	sep19
2046	EA.204	f/n, photo	sep19
2047	EA.204	f/n, photo	sep19
2049	EA.202?	f/n, photo	sep19
6613	EMAATFA	f/n, photo	sep19

The last one is an attrition replacement.

Armada de México – Fuerza Aeronaval (NY)

In 2020, one Bell 407 will be delivered and two new aircraft, of a yet unknown type, will start replacement of seven Maule MX-7-180A/Bs operated from BAM Guaymas (SON) with EAN 411.

MMMT = Minatitlán (VER)

#### Bo105CBS-5

AMHP-106 pres MMTT ex active aug19

This Bo is preserved at the gate of the naval aviation station. The Museo Militar de Aviación at BAM Santa Lucia will also receive one for display.

#### C212-200

AMP-111 w/o

A navy report states this aircraft was retired after being damaged. After the 2003 re-serialling, this serial was never reported, leaving an unclarified gap in the sequence. It was not modified, and it could have been just a paper serial allocation.

#### Ce402C

ANX-1240 i/a UNAQ ex active 402C-0482 sep19

This twin went to the Universidad Aeronautica de Estado de Querétaro in Querétaro. Also, an L-90TP Redigo was handed over to UNAQ from Las Bajadas (VER) late February 2019.

#### Lj45

ANX-1207 ex XC-HIE c/n update 45-026 apr19

ANX-1208 ex XC-HIF c/n update 45-111 apr19

Thanks to MAR for the tie-ups. Both were sold by the federal police to the navy and cancelled on 23 April 2019.

#### MD500E

AMHE-401 to N208DM 0408E may19

AMHE-403 to N588HW 0429E may19

The type has been retired in 2014, more recently two were sold.

#### UH-60M

ANX-2307 ESCAN 124 f/n, photo sep19

## Panama

Servicio Nacional Aeronaval (CG)

A major corruption scandal has erupted in Panama, with the SENAN heavily involved. Five Bell 212 helicopters were sent to third parties for various forms of overhaul in 2008. After many years, suspect major cost increases and contract amendments, three came back in 2011, 2014 and 2016 respectively and another two as AB212s (!) in 2017 and 2018. The three Bell 212s were fully refurbished according to their contracts, but both AB212s were returned without required repairs and with serials of the two Bell 212s! The original two Bell 212s AN-123 (msn 32214) and AN-125 (msn 32216) simply vanished without a trace. We have traced back the AB212s as being sourced in Colombia in 2013, which corresponds with earlier sighting of msn 5630 (ex HK-4099) and msn 5631 (ex HK-4100) at Tocumen in some state of overhaul. Your editor has duly informed the prosecutor in this case!

## Peru

SPJC = Lima-Callao/Jorge Chavez Intl

SPLP = Lima-Surco/BA Las Palmas

SPSO = Pisco

Fuerza Aérea del Perú (AF)

We received a very welcome trip report from Ian French of visits at Lima, Las Palmas and Pisco revealing several newsworthy details. The camouflaged KT-1P, serials 430 upward, are designated KA-1P and operated by Escuadron 513.

The Zlin 242L fleet is all but finished and slated to be replaced by the Zenair CH2000 kitplane. As we speak, six are in the process of being delivered. More changes to the training fleet are imminent as the Schweizer 300C replacements, eight Enstrom 280FX, will be delivered in 2020.

The withdrawn Tucano fleet is partly stored at Pisco while the older frames are derelict in a compound at las Palmas for some time already. Of the ones at Pisco, four are airworthy and for sale.

Peru is contemplating to buy redundant Hercules aircraft from Spain. These are becoming available with the inception of more A400Ms.

#### NA-50

XXI-41-4 SPLP under restrn. 50-951 aug19

After being preserved at Las Palmas for over fifty years marked 'XXI-41-3' commemorating José Quinoñez' aircraft, it was taken from its pedestal at Las Palmas air base in 2018

and replaced there by a AT-6 also marked 'XXI-41-3'. Plan is to bring the sole existing NA-50 to airworthy condition again!

T-27					
422	stored SPSO	ex Gr. 51, l/n mar11	<b>312316</b>	oct19	
431	for sale SPSO	ex Gr. 51, l/n dec14	<b>312293</b>	oct19	
432	for sale SPSO	ex Gr.51, l/n feb16	<b>312294</b>	oct19	
434	stored SPSO	ex Gr. 51, l/n oct10	<b>312296</b>	oct19	
435	for sale SPSO	ex Gr.51, l/n dec17	<b>312297</b>	oct19	
439	for sale SPSO	ex Gr.51, l/n feb16	<b>312400</b>	oct19	
440	dump SPLP	ex Grupo 51, l/n jul03	<b>312401</b>	oct19	
443	stored SPSO	ex Gr. 51, l/n nov15	<b>312402</b>	oct19	
449	dump SPLP	ex Grupo 51, l/n jul10	<b>312404</b>	oct19	
457	dump SPLP	ex Grupo 51, l/n jul10	<b>312409</b>	oct19	

T-33A					
455	pres Surco	ex pres SPLP		oct19	
It is now in the Parque del Aire off base.					

Zlin 242L					
460	std SPSO	ex Grupo 51	<b>0711</b>	oct19	
461	std SPSO	ex Grupo 51	<b>0712</b>	oct19	
463	std SPSO	ex Grupo 51	<b>0714</b>	oct19	
464	std SPSO	ex Grupo 51	<b>0715</b>	oct19	
465	std SPSO	ex Grupo 51	<b>0716</b>	oct19	
466	std SPSO	ex Grupo 51	<b>0717</b>	oct19	
469	std SPSO	ex Grupo 51	<b>0718</b>	oct19	
471	std SPSO	ex Grupo 51	<b>0720</b>	oct19	
472	pres SPSO	ex Grupo 51	<b>0721</b>	oct19	
474	std SPSO	ex Grupo 51	<b>0722</b>	oct19	
491	std SPSO	ex Grupo 51	<b>0726</b>	oct19	

Preserved 472 is the one visible on GE already for a while, since November 2016, at S13.74148°, W76.22265°.

Ejército del Perú (AR)

Mi-8T					
EP-522	pres Surco	l/n ops apr94		oct19	

This is the one preserved at the gate of 1er Brigada in this Lima suburb near Las Palmas.

Policía Nacional del Perú (PO)

H500D					
PNP-101	pres Lima	ex pres SPJC		oct19	
This on the beach front at Magdalena del Mar, in the Parque Tematico May Nancy Flores Paucar, S12.10298°, W77.06563° since at least February 2019.					

R22 Beta					
PNP-124	pres SPJC	l/n std SPJC oct14	<b>2616</b>	oct19	

## Venezuela

Aviación Militar Nacional Bolivariana (AF)

Su-30MK2V					
0457	Grupo 11	w/o 16oct19	<b>79810386309</b>		

## North America

### Canada

Royal Canadian Air Force (AF)

The first fully painted C295SAR made its roll-out with Airbus in Seville (Spain) early October. Like the Buffalos, the C295s are painted in stunning yellow SAR-colours and the serial has been visually confirmed as 295501. That said, the Canadian designation of the aircraft will be CC-295, the first time since the introduction of the type designation system in 1968, that the designation is not in the 100-sequence. 418 squadron at Comox will introduce the type and develop the concept of operations for this new platform.

Referring to last month's issue, not five, but six CF-188s are currently deployed to Romania, we somehow missed 188796/YO-W.

CT-114 (CL-41A)			
114071/5	431sq	w/o 13oct19	<b>1071</b>

### United States

United States Air Force (AF)

A-7D					
69-6222/OH	Phillips AAF	ex 162nd TFS		<b>D52</b>	oct19

A-10C					
81-0995/FT	75th FS	ex 74th FS		<b>A10-0690</b>	sep19

B-1B					
86-0111/EL	34th BS	ex 37th BS		<b>71</b>	sep19

C-12D					
83-0495	USE Oslo	ex 1st AS		<b>BP-41</b>	sep19

C-17A					
00-0172	156th AS	ex 437th AMW	<b>50076/F075/P72</b>	sep19	
00-0184	758th AS	ex 62nd AW	<b>50092/F091/P84</b>	sep19	
07-7180	437th AW	ex Robins ALC	<b>50198/F197/P180</b>	sep19	

KC-46A					
17-46037	22nd ARW	new delivery	<b>41984/1156</b>	sep19	

C-130H					
85-1367	154th TRS	ex 181st AS	<b>382-5082</b>	oct19	
87-9283	164th AS	ex 757th AS	<b>382-5124</b>	oct19	

HC-130J					
16-5853/LI	102nd RQS	new delivery			sep19

KC-135R					
58-0036/D	351st ARS	ex 54th ARS	<b>17781/T0251</b>	oct19	
61-0305	6th AMW	ex 22nd ARW	<b>18212/T0527</b>	sep19	
63-8878	92nd ARW	ex 22nd ARW	<b>18726/T0709</b>	sep19	

KC-135T					
59-1510	92nd ARW	ex 6th AMW	<b>17998/T0413</b>	sep19	



Stennis IAP (MS) is not an airfield where we receive pictures from on a regular basis. Carey Mavor photographed C-26D 94-0265 of the 100th FS/187th FW Alabama ANG while taxiing to the ramp. (3 October 2019)



On 1 October 2019, this F-35A (serial 18-0005 and construction number AT-5) took the skies from Fort Worth for the first time in full Turkish markings despite the suspension of deliveries from July 2019. The other four were seen parked at Luke. (30 September 2019, Carl Richards)

<b>F-15E</b>	86-0189/SJ	336th FS	ex 335th FS	<b>1030/E007</b>	sep19	unit designation will be.	
	88-1703/SJ	336th FS	ex 334th FS	<b>1112/E087</b>	sep19	B/3-2nd AVN	Desiderio AAF, Camp Humphreys (South Korea)
<b>F-16CM</b>	88-0412/LF	314th FS	ex 308th FS	<b>1C-14</b>	sep19	C/2-3rd AVN	Hunter AAF, Fort Stewart (GA)
<b>F-16DM</b>	88-0157/HO	314th FS	ex 308th FS	<b>1D-11</b>	sep19	B/3rd MI Bn	Desiderio AAF, Camp Humphreys (South Korea)
	88-0169/HO	311th FS	ex LF/56th FW	<b>1D-23</b>	jul19	4-3rd AVN	Hunter AAF, Fort Stewart (GA)
<b>F-35A</b>	13-5075/LF	308th FS	ex 34th FS	<b>AF-81</b>	sep19	3-17th CAV	Hunter AAF, Fort Stewart (GA)
	13-5081/LF	308th FS	ex 34th FS	<b>AF-87</b>	sep19	B/3-25th AVN	Wheeler AAF, Schofield Barracks (HI)
	17-5260/HL	34th FS	new delivery	<b>AF-202</b>	sep19	B/1-52nd AVN	Ladd AAF, Fort Wainwright (AK)
	17-5263/HL	34th FS	new delivery	<b>AF-205</b>	sep19	2-82nd AVN	Simmons AAF, Fort Bragg (NC)
<b>HH-60G</b>	05-27040	101st RQS	ex 309th AMARG		oct19	5-101st AVN	Campbell AAF, Fort Campbell (KY)
<b>T-6A</b>	02-3658/CB	41st FTS	ex 37th FTS	<b>PT-200</b>	may19	Det.1 B/2-104th AVN	CT ARNG, AASF Bradley IAP (CT)
	03-3674/EN	89th FTS	ex 85th FTS	<b>PT-220</b>	oct19	B/1-126th AVN	CA ARNG, AASF Stockton Metropolitan Airport (CA)
	04-3718/CB	41st FTS	ex 37th FTS	<b>PT-270</b>	may19	Det.1 F/1-126th AVN	DE ARNG, AASF New Castle CAP (DE)
	05-3812/AP	455h FTS	ex 434th FTS	<b>PT-367</b>	may19	Det.1 C/3-126th AVN	MA ARNG, AASF Westfield-Barnes Airport (MA)
	98-3028/XL	85th FTS	ex 33rd FTS	<b>PT-32</b>	sep19	A/2-135th AVN	CO ARNG, AASF Buckley AFB (CO)
	99-3554/CB	41st FTS	ex 37th FTS	<b>PT-58</b>	may19	B/1-140th AVN	CA ARNG, AASF Los Alamitos (CA)
<b>T-38C</b>	66-8399/CB	49th FTS	ex 435th FTS	<b>N5984</b>	may19	A/3-142nd AVN	NY ARNG, AASF Albany IAP, Latham (NY)
<b>U-28A</b>	06-0740	319th SOS	ex 318th SOS	<b>740</b>	sep19	B/3-142nd AVN	NY ARNG, AASF Long Island MacArthur Airport (NY)
						1-147th AVN	MI ARNG, AASF Abrams MAP, Grand Ledge (MI)
						A/1-150th AVN	NJ ARNG, NAS Lakehurst (NJ)
						B(-)/7-158th AVN	USARC, ASF Olathe, New Century Aircenter (KS)
						D/1-160th SOAR	Campbell AAF, Fort Campbell (KY)
						C/3-160th SOAR	Hunter AAF, Fort Stewart (GA)
						C(-)/1-168th AVN	CA ARNG, AASF Sacramento Mather Airport (CA)
						B/1-171st AVN	HI ARNG, Wheeler AAF, Schofield Barracks (HI)
						C(-)/1-189th AVN	SD ARNG, AASF Rapid City RAP (SD)
						Det.2 C/2-211th AVN	KS ARNG, AASF Salina RAP (KS)
						A(-)/2-228th AVN	USARC, McGuire AFB (NJ)
						C/2-228th AVN	USARC, Simmons AAF, Fort Bragg (NC)
						B(-)/2-238th AVN	IL ARNG, AASF Greater Peoria RAP (IL)
						Det.1 B/3-238th AVN	MI ARNG, AASF Selfridge ANGB (MI)
						C(-)/3-238th AVN	NH ARNG, AASF Concord MAP (NH)
						Det.1 C/3-238th AVN	MI ARNG, AASF Abrams MAP, Grand Ledge (MI)
						A/2-285th AVN	AZ ARNG, AASF Papago AHP, Phoenix (AZ)
						1106th TASMG	CA ARNG, AASF Fresno Air Terminal (CA)
						AFTD	Huntsville IAP (AL)
						BEST	Black Hawk Exchange and Sales Team at BEST Aircraft Consolidation Facility, Huntsville (AL)
						USAPT AvnSec	United States Army Parachute Team Aviation Section at Pope AAF, Fort Bragg (NC)
<b>C-12T-3</b>	84-00488					C/2-228th AVN, ex A(-)/2-228th AVN	<b>BL-122</b> sep19
<b>C-12U-2</b>	84-24378					C/2-228th AVN, ex A(-)/2-228th AVN	<b>BP-49</b> sep19
<b>RC-12X</b>	89-00274					to CONUS ex B/3rd MI Bn	<b>FE-20</b> oct19
							During mid-October 2019, this RC-12X passed through Europe, heading for the Continental United States (CONUS).
<b>UC-35A1</b>	99-00102					AFTD ex E/1-214th AVN	<b>560-0538</b> sep19
							This former USAFE VIP jet was returned to the USA mid-2018. It now resurfaced with the United States Army Aviation

Flight Test Directorate (AFTD) at Huntsville (AL) where it is used for trials.

#### C-147A

15-01609 USAPT AvnSec FY confirmed **315** may19  
16-01610 on order for USAPT AvnSec **489**

Thanks to Tom Kaminski, the details for the two C-147A (Dash 8) aircraft for the Golden Knights are now known. The first aircraft was seen supporting the famous parachute team for the first time in May 2019. Against what was generally assumed (and often reported as a fact even though not confirmed...), the fiscal year of the first aircraft is 2015 and NOT 2017. The second aircraft is currently still owned by Sierra Nevada Co as N489SN, and it is being prepared for delivery. It is expected to be delivered soon, since the last of the C-31A Troopships on strength is slated to be retired to 309th AMARG in October 2019.

#### CH-47F

08-08763 B/1-126th AVN ex nb **M8763** oct19  
09-08798 B(-)/2-238th AVN, ex B/1-171st AVN **M8798** jul19  
09-08799 B(-)/2-238th AVN, ex B/1-171st AVN **M8799** jul19  
10-08081 B(-)/2-238th AVN, ex nb **M8081** sep19  
10-08408 B(-)/7-158th AVN, ex nb **M8408** jul19  
10-08813 Det.1 B/3-238th AVN, ex nb **M8813** aug19  
11-08095 Det.1 B/3-238th AVN, ex nb **M8095** aug19  
12-08105 B/1-52nd AVN ex B/3-2nd AVN **M8105** sep19  
16-08207 B/3-25th AVN ex nb **M8207** sep19  
16-08469 B/3-25th AVN ex B/1-52nd AVN **M8469** jul19

The following Chinooks were seen at Huntsville IAP (AL) in May 2019. It is believed that they were undergoing pre-delivery modifications: 16-08219, 16-08220, 16-08221, 16-08222, 16-08223, 16-08224, 17-08225 and 17-08226. In August 2019, both 17-08232 and 17-08235 were seen at Huntsville IAP (AL).

#### OH-58A/C

70-15515 std Land 'O Lakes, ex Colombia (45) **41066** oct19  
70-15517 std Land 'O Lakes, ex Colombia (39) **41068** oct19

Again a couple of former FA Colombia OH-58s have been offered for sale as scrap via the GSA website. Aircraft 70-15115 is an OH-58C, while 70-15517 is an OH-58A+r.

#### UH-60A

80-23474 to N876GB ex std BEST **70-232** sep19  
80-23508 std BEST, ex A/2-135th AVN **70-266** sep19  
81-23618 std BEST, ex A/3-142nd AVN **70-340** may19  
81-23624 std BEST, ex A/2-135th AVN **70-346** sep19  
82-23676 std BEST, ex A/2-285th AVN **70-499** oct19  
82-23730 std BEST, ex Det.2 C/2-211th AVN **70-553** oct19

#### UH-60L

78-22974 Det.1 F/1-126th AVN, ex UH-60A **70-037** aug19  
86-24485 B/3-142nd AVN ex A/1-150th AVN **70-976** sep19  
95-26655 B/3-142nd AVN, ex nb **70-2180** sep19

#### HH-60L

01-26894 std BEST, ex C(-)/1-168th AVN **70-2706** apr19

#### HH-60M

11-20353 C/2-3rd AVN ex nb oct19  
11-20354 C/2-3rd AVN f/n oct19  
11-20355 C/2-3rd AVN not an UH-60M oct19  
11-20434 C/2-3rd AVN f/n oct19  
..-20691 Det.1 C/3-126th AVN, ex C/1-189th AVN aug19  
14-20696 Det.1 C/3-126th AVN, ex C/1-189th **70-4439** aug19  
..-20780 Det.1 C/3-126th AVN, f/n aug19  
..-20875 Det.1 C/3-238th AVN, f/n sep19  
..-20878 Det.1 C/3-238th AVN, f/n sep19  
17-20963 1-140th AVN, ex 1106th TASMG **70-4989** sep19  
..-20947 Det.1 C/3-238th AVN, f/n sep19  
..-20951 C(-)/3-238th AVN, f/n aug19  
..-20952 Det.1 C/3-238th AVN, f/n sep19

#### MH-60M

..-20019 C/3-160th SOAR, w/o 25aug17  
..-20338 D/1-160th SOAR, w/o 20aug18

#### UH-60M

..-20177 2-82nd AVN f/n sep19  
11-20370 4-3rd AVN ex 5-101st AVN oct19  
..-20532 1-147th AVN ex nb sep19  
..-20557 1-147th AVN ex nb sep19  
..-20785 1-147th AVN f/n aug19  
..-20931 B/1-140th AVN f/n sep19  
..-21015 1-147th AVN f/n sep19

#### AH-64D

05-07002 3-17th CAV ex nb **DUS002** oct19  
05-07003 3-17th CAV ex nb **DUS003** sep19  
08-05548 3-17th CAV ex nb **PVD548** oct19

United States Navy (NY)

FRCSW = Fleet Readiness Center South West, North Island (CA)

KNQI = Kingsville (TX)

#### C-2A

162164 FRCSW ex 57/VRC-40 **44** sep19

#### C-40A

169793/793 VR-57 del **65396/7587** oct19

#### F/A-18E

165781/NJ-200 VFA-122 ex NE-301/VFA-192 **1526/E024** sep19  
168917/NJ-222 VFA-122 ex NG-206/VFA-14 **E276** sep19  
169736/NE-300 VFA-192 f/n **E3..** sep19

#### F/A-18F

166808/AJ-204 VFA-213 ex AB-204/VFA-211 **F181** sep19  
169707 VX.. del 10sep19 **F28.** sep19

#### EA-18G

166893/AC-504 VAQ-130 ex NJ-554/VAQ-129 **G5** oct19  
166934/NL-521 VAQ-135 ex NL-520 **G19** jul17  
168259/AJ-503 VAQ-131 ex NJ-570/VAQ-129 **G41** oct19  
168768/NL-551 VAQ-131 ex NL-533/VAQ-134 **G82** oct19  
168769/NA-506 VAQ-139 ex NL-534/VAQ-134 **G83** oct19  
168776/NJ-541 VAQ-129 ex AJ-504/VAQ-131 **G90** oct19

#### MH-60R

168113/AB-704 HSM-72 ex AC-707/HSM-74 **70-444.** oct19  
168115/AC-703 HSM-74 ex AB-700/HSM-72 **70-4450** sep19



VMFA-122 of the United States Marine Corps has fourteen F-35Bs in their inventory. F-35B 169611 was seen making a low pass over the runway at MCAS Yuma (AZ). (27 September 2019, Leonard van Teeffelen)



What the Belgians did with their F-16s, applying a Spitfire on the tail, the Norwegians topped by painting a complete F-16 in legacy WWII colours. (691, Kleine Brogel, 14 September 2019, Carlos Geurts)

**MH-60S**

166357/SA-04	HSC-3	ex NH-5/HSC-8	<b>70-29..</b>	sep19
167852/AG-616	HSC-5	ex HW-61/HSC-26	<b>70-3261</b>	oct18
167884/NH-614	HSC-8	ex AC-611/HSC-7	<b>70-36..</b>	sep19
168531/310	HSC-85	ex NE-612/HSC-4	<b>70-3850</b>	sep19
168548/AC-617	HSM-74	ex AG-610/HSC-5	<b>70-</b>	sep19

**P-3C AIP**

162773/773	309th AMARG	ex 773/VP-40	<b>5799</b>	oct19
162777/777	VQ-1	ex 777/VP-69	<b>5803</b>	oct19

**P-3C AIP+**

160287/287	309th AMARG	ex 287/VP-40	<b>5650</b>	oct19
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**P-3C BMUP+**

161132/132	VP-30	ex 132/VP-40	<b>5724</b>	oct19
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**P-8A**

169325/YD-325	VP-4	ex RD-325/VP-47	<b>62292/6132</b>	oct19
169550/550	VP-	del 26sep19	<b>64080/7462</b>	
169553/553	Boeing	f/f 30sep19	<b>65745/7680</b>	oct19
169554/554	Boeing	f/f 17oct19	<b>65746/7716</b>	oct19
169573/573	re-registered	as 169550	<b>64080/7462</b>	

**T-34C**

160472/SH-472	VMFAT-101	ex NJ-472/VFA-122	<b>GL-29</b>	sep19
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**T-45C**

165478/B-235	TAW-2	ex VT-7/VT-9/TAW-1	<b>C035</b>	jul19
165479/B-236	TAW-2	ex A-136/VT-7/VT-9	<b>C036</b>	jul19
167092/A-194	VT-7/VT-9	ex B-249/TAW-2	<b>207/C124</b>	jul19
167106/B-274	std KNQI	w/o 10may19	<b>221/C138</b>	jun19

United States Marine Corps (NY)

FRCSW = Fleet Readiness Center South West, North Island (CA)

**F/A-18C**

163709/MA-11	VMFA-112	ex Cecil Field	<b>771/C070</b>	sep19
163735/MA-12	VMFA-112	ex FRCSE	<b>805/C094</b>	oct19
164050/SH-155	VMFAT-101	ex FRCSW	<b>938/C180</b>	sep19
164257/SH-100	VMFAT-101	ex SH-163	<b>1020/C238</b>	sep19
164707/WT-10	VMFA-232	ex WT-17	<b>1149/C312</b>	sep19
164900/DR-205	VMFA-312	ex NA-205	<b>1232/C360</b>	aug19
164906/215	VMFA-312	ex NH-400/VMFA-323	<b>1238/C365</b>	apr19
164954/WT-05	VMFA-232	ex 21	<b>1254/C376</b>	sep19
165402/NA-402	VMFA-323	ex AC-312 VFA-131	<b>1426/C459</b>	sep19
165404/NA-400	VMFA-323	ex WS-400	<b>1432/C461</b>	sep19
165406/NA-414	VMFA-323	ex AG-411/VFA-131	<b>1442/C463</b>	sep19

**F/A-18D**

164870/03	VMFA(AW)-533	ex ED-15	<b>1202/D116</b>	sep19
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**F-35B**

169616/DC-13	VMFA-122	del	<b>BF-80</b>	sep19
169618/DC-04	VMFA-122	del	<b>BF-82</b>	sep19
169619/DC-02	VMFA-122	f/n	<b>BF-83</b>	sep19

**UH-1Y**

168415/UV-02	HMLA-267	ex SE-02/HMLA-469	<b>55152</b>	sep19
168509/SE-..	HMLA-469	ex SM-10/HMLA-369	<b>55173</b>	sep19
169103/UV-15	HMLA-267	ex SN-15/HMLA-169	<b>55215</b>	oct19

169110/UV-08	HMLA-267	ex SN-08/HMLA-169	<b>55222</b>	sep19
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**AH-1Z**

166773/SE-53	HMLA-469	ex UV-53/HMLA-267	<b>59008</b>	sep19
168807/TV-25	HMLA-167	ex QT-655/HMLA/T-303	<b>59215</b>	sep19
169265/SE-52	HMLA-469	f/n	<b>592..</b>	sep19
169269/SE-56	HMLA-469	f/n	<b>592..</b>	sep19
169270/UV-45	HMLA-267	ex SN-45/HMLA-169	<b>592..</b>	sep19
169271/UV-54	HMLA-267	ex SN-54/HMLA-169	<b>592..</b>	mar19
169380/UV-51	HMLA-267	f/n	<b>592..</b>	sep19
169499/HF-60	HMLA-269	f/n	<b>592..</b>	sep19
169500/HF-51	HMLA-269	f/n	<b>592..</b>	sep19
169504/UV-42	HMLA-267	del	<b>592..</b>	sep19

**CH-53E**

161254/YJ-254	HMH-465	ex YF-254/HMH-462	<b>65-426</b>	sep19
161257/HH-03	HMH-366	ex EH-23/VMM-264	<b>65-429</b>	sep19
162478/YK-478	HMH-466	ex YJ-478/HMH-465	<b>65-490</b>	sep19
162481/EN-12	HMH-464	ex EN-50	<b>65-493</b>	sep19
162482/EN-..	HMH-464	ex YX-23/VMM-166	<b>65-494</b>	sep19
162500/Y-500	HMH-462	ex YX-24/VMM-166	<b>65-512</b>	sep19
164776/YN-776	HMH-361	ex YJ-776/HMH-465	<b>65-600</b>	sep19
164859/YK-859	HMH-466	ex YK-07	<b>65-635</b>	sep19

**AV-8B+(R)**

165306/WH-08	VMA-542	ex YM-5./VMM-365	<b>264</b>	sep19
165383/WP-08	VMA-223	ex YM-53/VMM-365	<b>278</b>	sep17

**MV-22B**

166737/YX-10	VMM-166	ex ML-03/VMM-764	<b>D0102</b>	sep19
168019/EM-05	VMM-261	ex EG-06/VMM-263	<b>D0149</b>	sep19
168243/YM-13	VMM-365	ex ES-11/VMM-266	<b>D0193</b>	sep19
168305/...03	VMM-...	ex YM-00/VMM-365	<b>D0222</b>	sep19
168612/YW-08	VMM-165	ex PF-04/VMM-364	<b>D0267</b>	sep19
168679/YL-07	VMM-362	del	<b>D0339?</b>	sep19
168680/YL-08	VMM-362	del	<b>D0340</b>	sep19
168682/YL-10	VMM-362	del	<b>D03xx</b>	oct19
168688	Bell-Boeing	f/n	<b>D03xx</b>	oct19

United States Coast Guard (CG)

**HC-130H**

1702	Kodiak	ex Sacramento	<b>382-4966</b>	jun19
1706	Barbers Point	ex Clearwater	<b>382-4996</b>	sep19
1713	Barbers Point	ex Kodiak	<b>382-5034</b>	sep19
1720	Barbers Point	ex Elizabeth City ALC	<b>382-5120</b>	sep19

**MH-60T**

6033	Clearwater	ex Traverse City	<b>70-1954</b>	oct19
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**MH-65D**

6528	Barbers Point	ex Port Angeles	<b>6172</b>	oct19
6529	Barbers Point	centennial c/s	<b>6174</b>	sep19
6595	Barbers Point	ex San Francisco	<b>6297</b>	sep19

Credits

Clive Bartram, Danny Bonny, Ian Carroll, Sebastiaan Does, Ian French, Edwin de Greeuw, Joris Heeren, Nigel Hitchman, Theo Lansing, Andy Marden, Daniele Mattiuzzo, Jeff Rankin, Jos Stevens, Peter Weinert, Martijn de Wit

# Showreports



As usual, the Thunder Tiger Aerobatics Team participated in the yearly National Flypast over Taipei. Three out of six AT-3s are seen here in close formation. (19 October 2019, Shyang)

## NAS Lemoore, CA [USA]

Central Valley Airshow 2019

21 September 2019

### Static:

166804/NE-100	F/A-18F	VFA-2	special mks
168927/NG-200	F/A-18E	VFA-14	special mks
166961/NA-100	F/A-18F	VFA-22	special mks
166877/NG-101	F/A-18F	VFA-41	special mks
168929/NA-200	F/A-18F	VFA-94	special mks
165897/NG-03	F/A-18E	VFA-97	special mks
168883/NE-206	F/A-18E	VFA-113	
165677/NJ-122	F/A-18F	VFA-122	
166820/AB-300	F/A-18E	VFA-136	special mks
168869/NA-302	F/A-18E	VFA-137	
166420/NH-300	F/A-18E	VFA-146	special mks
166828/NG-412	F/A-18E	VFA-151	
166873/NH-100	F/A-18F	VFA-154	sepcial mks
169736/NE-300	F/A-18E	VFA-192	special mks
168844/NJ-420	F-35C	VFA-125	
169161/NE-403	F-35C	VFA-147	
166339/7S-02	MH-60S	Lemoore SAR	<b>70-4222</b>
160478/NJ-78	T-34C	VFA-122	
168937/NL-520	EA-18G	VAQ-139	
84-0009	F-15C	194th FS CA ANG	
17-20963	UH-60M	1-140th AVN CA NG	<b>70-4989</b>
N39CB	NA265 Sabreliner	NOT ex mil	
N39WR	PT-13D Kaydet	as/ex 42-17238/39	
N69QB	PT-18 Kaydet	as/ex 40-1999/69 USN mks	
N258CS	OH-58C	as 21150	
NX670AM	SBD-5 Dauntless	as/ex 28536/39	
N787AS	T-28B	as/ex 137787/DH-415	
NX83782	F4U-1A Corsair	as/ex 17799/799	

### Airside next to static

165755/7S-01	MH-60S	Lemoore SAR
165753/7S-04	MH-60S	Lemoore SAR
163439/6	F/A-18C	Blue Angels
163464/4	F/A-18D	Blue Angels
.../1, .../2, .../3, .../5	F/A-18C	Blue Angels
N139RH/1, N239RH/2	L-39C	Patriots
N339DH/3, N439DH/4	L-39C	Patriots
N539RF/5, N639PJ/6	L-39C	Patriots
N739MN/7	L-39C	Patriots

### Ramp northwest side (incl. flight display aircraft)

163768/4	F/A-18C	Blue Angels
(163468)/7	F/A-18D	Blue Angels
84-0004	F-15C	194th FS CA ANG special
N400FS	FJ-4B (AF-1E)	as/ex 143575/TR-44
N518TA	TA-4J	as/ex (158518)/NP-518
N712Z	A6M3 Zero	as X-133

N933GC	CT-133	ex 21306, as 21306/FT-306
N1038A	SNJ-5 Texan	ex Japan 6193 as 90917/WD-17
N1078Z	F6F-5 Hellcat	ex 70222
N5865V	PBJ-1J Mitchell	as/ex 35857/MB-11
N7825Z	F8F-2 Bearcat	as/ex 122674/S-201
NL44727	P-51D Mustang	ex 44-72739 as 414292/QP-A
N63529	PT-17 Kaydet	ex 40-1781
(166806)/NE-105	F/A-18F	VFA-2
166810/NE-114	F/A-18F	VFA-2
.../NG-201	F/A-18E	VFA-14 special mks
168868/NG-203	F/A-18E	VFA-14
168865/NG-204	F/A-18E	VFA-14
.../NA-105, .../NA-110	F/A-18F	VFA-22
.../NA-113, .../NA-203	F/A-18F	VFA-22
(166979)/NA-205	F/A-18F	VFA-22
(166977)/NA-206	F/A-18F	VFA-22
(166926)/NA-207	F/A-18F	VFA-22
(166844)/NA-211	F/A-18F	VFA-22
.../NA-313	F/A-18E	VFA-113
(165679)/NJ-101	F/A-18F	VFA-122
.../NJ-104, .../NJ-107	F/A-18F	VFA-122
(165916)/NJ-112	F/A-18F	VFA-122
(165930)/NJ-116	F/A-18F	VFA-122
(165920)/NJ-124	F/A-18F	VFA-122
.../NJ-131	F/A-18F	VFA-122
(169117)/NJ-202	F/A-18E	VFA-122
.../NJ-206, .../NJ-210	F/A-18E	VFA-122
(168917)/NJ-222	F/A-18E	VFA-122
(168875)/NJ-227	F/A-18E	VFA-122
.../NJ-302	F/A-18E	VFA-122
(168969)/NA-302	F/A-18E	VFA-137
(168870)/NA-303	F/A-18E	VFA-137
(168873)/NA-306	F/A-18E	VFA-137
(168874)/NA-307	F/A-18E	VFA-137
166643/NA-314	F/A-18E	VFA-137
(166424)/NH-301	F/A-18E	VFA-146
(166444)/NH-310	F/A-18E	VFA-146
(166666)/NH-357	F/A-18F	VFA-146
168480/NG-401	F/A-18E	VFA-151
168476/NG-406	F/A-18E	VFA-151
168477/NG-407	F/A-18E	VFA-151
.../NG-414	F/A-18E	VFA-151
(169652)/NH-102	F/A-18F	VFA-154
16.64./NH-104	F/A-18F	VFA-154
.../NH-111, .../NH-113	F/A-18F	VFA-154
(166889)/NH-114	F/A-18F	VFA-154
.../NH-115	F/A-18F	VFA-154
165906	F/A-18E	nmks
(16)5867/(NE-307)	F/A-18E	VFA-192
168846/NJ-422	F-35C	VFA-125

USMC titles

.../NE-402, .../NE-407 F-35C VFA-147  
 Plus the following Hornets for which only codes were noted:  
 .../NH CO, .../103, .../104, .../112 and .../203 (203: 22 September 2019)  
 On 22 September 2019, the CA ANG F-15C was towed to the static.

Hangar F-35

.../NJ-423	F-35C	VFA-125
(169162)/NJ-431	F-35C	VFA-125
(169424)/NE-410	F-35C	VFA-147

Hangar northwest

(168928)/NA-201	F/A-18F	VFA-94	also marked XO
(166981)/NA-204	F/A-18F	VFA-94	
166880/NA-210	F/A-18F	VFA-94	
(165863)/(NG)-02	F/A-18E	VFA-97	
(165898)/(NG)-04	F/A-8E	VFA-97	
(168472)/(NG)-402	F/A-18E	VFA-151	
(168473)/(NG)-403	F/A-18E	VFA-151	
(168475)/NG-405	F/A-18E	VFA-151	
(169653)/NH-101	F/A-18F	VFA-154	
.../304	F/A-18	not noted	

Hangar southwest (VFA-122)

(165921)/NJ-153	F/A-18F	VFA-122
.../NJ-223	F/A-18E	VFA-122
(160949)/(NJ-9)49	T-34C	VFA-122

Plus the following Hornets for which only codes were noted, most probably all VFA-122:

.../100, .../102, .../113, .../117, .../134, .../216, .../305, .../309, .../311

Gate guards

137602/NK-401	A-1H	VA-25 mks
142094/NM-208	A-4B	VA-192 mks
156763/NL-301	A-7C	VA-97 mks
161366/NA-100	F/A-18A	VFA-22 mks
163433/AG-300	F/A-18C	special mks

Boeing rework area (plus temporary parking area)

.../NG-210	F/A-18E	VFA-14	
(166845)/NG-102	F/A-18F	VFA-41	
(166846)/NG-103	F/A-18F	VFA-41	
(166847)/NG-104	F/A-18F	VFA-41	
(166853)/NG-112	F/A-18F	VFA-41	
(166854)/NG-113	F/A-18F	VFA-41	
(168885)/NE-210	F/A-18E	VFA-113	
(165930)/NJ-116	F/A-18F	VFA-122	
(165910)/NJ-117	F/A-18F	VFA-122	no wings
(166611)/(NJ)-120	F/A-18F	VFA-122	
(165878)/N(J)-126	F/A-18F	VFA-122	
(166466)/(NJ)-132	F/A-18F	VFA-122	
(165893)/(NJ)-142	F/A-18F	VFA-122	

(165927)/(NJ)-146	F/A-18F	VFA-122	
(165922)/(NJ)-150	F/A-18F	VFA-122	
(165791)/N(J)-233	F/A-18E	VFA-122	
(166966)/N.	F/A-18F	VFA-122	stripped
.../NJ-333, .../NJ-334	F/A-18E	VFA-122	
166822/AB-302	F/A-18E	VFA-136	
166823/AB-303	F/A-18E	VFA-136	
166824/AB-304	F/A-18E	VFA-136	
166825/AB-305	F/A-18E	VFA-136	
166827/AB-307	F/A-18E	VFA-136	
165783/NE	F/A-18E	VFA-192	
(165869)	F/A-18E	VFA-192	

Plus the following Hornets for which only codes were noted:  
 .../NE, .../121, .../211

Stored southwest side (under sheds)

(165891)/(NJ)-141	F/A-18F	VFA-122
(168866)/NA-301	F/A-18E	VFA-137

MCAS Miramar, CA (USA)

Air Show 28 September 2019

Static/Flightline:

ZM418/418	Atlas C1	24/70 sq	
ZA940/V	Puma HC2	Benson	
78-0627/ID	A-10C	190th FS ID ANG	
81-0955/ID	A-10C	190th FS ID ANG	
05-5141	C-17A	729th AS AFRC	
13-5075/LF	F-35A	308th FS	
92-0350/RA	T-1A	99th FS	
07-3884/RA	T-6A	559th FS	<b>PT-439</b>
65-10401/XL	T-38C	87th FS	
79-23299	UH-60A	US CBP	<b>70110</b>
169319	UC-12W	Miramar	
166500	UC-35D	Miramar	
166765/QB-765	KC-130J	VMGR-352	c/s tail
167108/QB-108	KC-130J	VMGR-352	
167984/QB-984	KC-130J	VMGR-352	
164051/SH-04	F/A-18D	VMFAT-101	bl/bl/gy c/s
164257/SH-100	F/A-18C	VMFAT-101	
165195/WT-01	F/A-18C	VMFA-232	c/s
165220/401	F/A-18C	VMFA-323	c/s
165404/NA-400	F/A-18C	VMFA-323	
165684/CE-01	F/A-18D	VMFA(AW)-225	c/s
166673/XE-250	F/A-18F	VX-9	c/s tail
168771/XE-555	EA-18G	VX-9	
169589/CF-04	F-35B	VMFA-211	
168949/SE-00	UH-1Y	HMLA-469	
166773/SE-53	AH-1Z	HMLA-469	
162500/Y-500	CH-53E	HMH-462	
168531/310	MH-60S	n.m., HSC-85 crew	<b>703850</b>
166497/YL-33	MV-22B	VMM-362	c/s tail, <b>D0076</b>



The US Navy still has a number of twenty (out of 354) Mentors available for training duties. T-34C 160478/NJ-0478 of VFA-122 was seen in special colours on the static show at NAS Lemoore (CA). (21 September 2019, Hans van Herk)



The US Army Parachute Team (nicknamed the 'Golden Knights') replaced their two C-31 Troopships for two C-147s (Dash 8 aircraft). The first one is already active with the Golden Knights and a second Dash 8 is on order. (MCAS Miramar (CA), 28 September 2019, Michiel Vermeer)

167920/ML-407	MV-22B	VMM-764	<b>D0131</b>	N133EH	Bo105CBS-4	Red Bull
168013/ML-404	MV-22B	VMM-764	c/s tail, <b>D0143</b>	N151MW	P-51D	ex 45-11633/J-C5
168612/YW-08	MV-22B	VMM165	<b>D0267</b>	N238V/28	T-28A	ex USAF 52-1238
168680/YL-08	MV-22B	VMM-362	<b>D0340</b>	N509CF	A109E	Mercyair
98-26801	UH-60L	US Ares	<b>702463</b>	N1038A	SNJ-5	ex USN 90917/WD-17
6023	MH-60T	San Diego CG	<b>701705</b>	N5833	FM-2	ex USN 86819
148492/WE-1	A-4C	preserved	(museum)	N7300C	SNJ-5	ex USN 43763/6-49
161882/CY-00	EA-6B	preserved	(museum)	N12281	T-34A	ex 53-4193 as CA-293
122189/WF-15	F4U-5N	preserved	(museum)	N49939	T-6G	ex EdIA E.16-92 as FG-1
151981/RF-06	RF-4B	preserved	(museum)	NX186AM	F-86F	ex 52-5012 as 12834/FU
161749/VW-01	F/A-18A	preserved	(museum)	NX670AM/39	SBD-5	ex RNZAF NZ5062 as 28536
163152/SH-101	F/A-18A	preserved	(museum)	NX83782	F4U-1A	ex USN 17799
16278/53	FM-2	preserved	(museum)			
150219/YK-00	UH-34D	preserved	(museum)			
(53726)/54	TBM-3E	preserved	(museum)			
N62TX	Ce305C	as O-1E 10051				
N68RW	F8F-2	ex 121776/as B.A. 94996/1				
N125FR	TB-30	ex FAF 125/315-YP				
N150JD	H369FF	San Diego Sheriff Dep.				
N326PD	AS350B2	Anaheim Police Dep.				
N391ZA	L-39ZA	ex Rom AF 115	<b>132015</b>			
N392W	T-28B	ex 138314/TA-182				
N710SD	AS350B3+	San Diego Police Dep.				
N718CP	Ce182T	Civil Air Patrol				
N787AS	T-28B	ex 137787/DH-415				
N833WP	Chipmunk T10	ex RAF WP833/H				
N913WB	AS350B2	LAPD				
N994SD	AS350B3+	Riverside Sherriff Dep.				
N6508Q	A-2A Aircoupe	not ex mil, code VF-T				
N36687	Aeronca 65	as L-3B 42-1441				
N45366	C-53D	ex USAAF 42-68830/CU-R				
N69972	B-29	ex USAAF 44-69972				
NX97854	OV-10D+	ex 155493/UU-03				

The F/A-18D 164051 had Navy titles instead of Marines. The CH-53E 162500 had only the letter 'Y' on the tail. Only the museum aircraft which were on the static are mentioned.

#### Flightline east:

15-01609	C-147A	USAPT Avn Sec
165162/NY-162	KC-130T	VMGR-452
165735/QB-735	KC-130J	VMGR-352
167924/QB-724	KC-130J	VMGR-352
168068/QB-068	KC-130J	VMGR-352
163464/7	F/A-18D	Blue Angels
163468/7	F/A-18D	Blue Angels
164026/SH-03	F/A-18D	VMFAT-101
164730/NH-05	F/A-18C	VMFA-323
169415/CF-00	F-35B	VMFA-211
169416/CF-01	F-35B	VMFA-211
169587/CF-02	F-35B	VMFA-211
N7835C/46	TBM-3	ex USN 91264
N34FU/408	T-34B	ex USN 140846

<u>VMFAT-101 F/A-18C/D: code "SH"</u>			
164045/101	164020/146	164060/153	...../155 (bn c/s)
164067/157	164247/162	164727/171	...../220,
163447/221*	163510/222*	163734/223*	163771/224*
...../225	163994/240*	164022/243*	...../254*
164203/255	164032/300*	164651/343*	...../437

<u>VMFA(AW)-225 F/A-18D, code "CE"</u>			
165415/04	165530/10	...../22	...../23

<u>VMFA-232 F/A-18C, code "WT"</u>			
164693/03	165184/04	164954/05	164696/06
165403/07	164710/08	164907/09	164707/10
165196/11			

<u>VMFA-314 F/A-18, code "VW"</u>			
...../03	...../04	...../07	...../08

<u>VMFA-323 F/A-18C</u>			
...../NA-403	165407/404	164739/WS-406	164676/WS-407
165211/410	165406/NA-414		

#### Flightline(s) in front of crowd line:

93-0540/SW	F-16CM	55th FS
01-7050/SW	F-16CM	77th FS
162002/002	CH-53E	n.n.
165245/245	CH-53E	n.n.

#### Blue Angels F/A-18A/C

163439/1, 163462/2, 163429/3, 163768/4, 162411/5\*, 163705/6

The BuNos of the Blue Angels Hornets came from photos found on the internet, mainly Facebook.

#### Red Arrows Hawk T1/T1A/T1W<sup>^</sup>

XX177, XX219\*, XX242, XX278\*, XX310\*, XX322\*, XX323\*

Also the serials of the Hawks from the Red Arrows came from Facebook and of course there were more airframes than the seven mentioned above.

#### Flightline west:

168415/UV-02	UH-1Y	HMLA-267
169110/UV-08	UH-1Y	HMLA-267
169380/UV-51	AH-1Z	HMLA-267
169504/UV-42	AH-1Z	HMLA-267

161254/YJ-254	CH-53E	HMH-465
162004/YF-004	CH-53E	HMH-462
168004/YR-12	MV-22B	VMM-161
168619/YX-01	MV-22B	VMM-166
168661/YX-03	MV-22B	VMM-166
168662/YX-09	MV-22B	VMM-166
168679/YL-07	MV-22B	VMM-362
168682/YL-10	MV-22B	VMM-362

Hangar:  
13-5079/LF F-35A 308th FS

Flying only:  
N217AC/729 S-64E Erickson Airc. ex 68-18459  
N449RC/10 Bell 205A-1 San Diego Sheriff Dep.  
N549RL/11 Bell 205A-1 San Diego Sheriff Dep.  
N63529 PT-17 ex USAAF 40-1781

Dump other side:  
149791/QB-791 KC-130F dumped  
163126/34 F/A-18A dumped  
164358/YN-59 CH-53E dumped  
164781/YJ-55 CH-53E dumped

### Taipei (Taiwan)

National Day Flypast		10 October 2019
943/27328	UH-60M	601st AAG weather check
934/27317	UH-60M	ARG
935/27319	UH-60M	ARG
939/27324	UH-60M	ARG
2319	S-70C(M)-2	Air Group
2322	S-70C(M)-2	Air Group
2323	S-70C(M)-2	Air Group
801/10031	AH-64E	601st AHG
819/10019	AH-64E	601st AHG
824/10024	AH-64E	601st AHG
520/164932	AH-1W	602nd AHG
525/164937	AH-1W	602nd AHG
530/165337	AH-1W	602nd AHG
7301	CH-47SD	ATG
7309	CH-47SD	ATG
1433/84-8051	F-CK-1C	7th TFG
1435/84-8053	F-CK-1C	7th TFG
1504/95-8136	F-CK-1C	7th TFG
1611/83-8035	F-CK1D	28th TFG
1629/96-8137	F-CK-1D	7th TFG
0811/75-6011	AT-3	Thunder Tigers
0829/75-6029	AT-3	Thunder Tigers
0832/76-6032	AT-3	Thunder Tigers
0835/76-6035	AT-3	Thunder Tigers
0841/76-6041	AT-3	Thunder Tigers

### Tainan (Taiwan)

Air Show 19 October 2019

Static:  
0814/75-6014 AT-3 AFA  
1314/93-1314 C-130H 6th CW  
2502 E-2K 6th CW  
1443/85-8064 F-CK-1C 9th TFG\*  
1624/87-8101 F-CK-1D 1st TFG\*  
5403/30129 F-5F 7th FTW\*  
6677 F-16A 26th TFG  
559/165561 AH-1W AATC  
638/80069 OH-58D AATC  
934/27317 UH-60M ARG  
2055/Di05 Mirage 2000Di 2nd TFW\*  
3310 P-3C 34sq  
3427/84027 T-34C-1 AFA

Hangar:  
1500/88-8132 F-CK-1C 3rd TFG  
1619/86-8076 F-CK-1D 9th TFG

Flying/elsewhere:  
0829/75-6029 AT-3 Thunder Tigers  
0832/76-6032 AT-3 Thunder Tigers  
0835/76-6035 AT-3 Thunder Tigers  
0841/76-6041 AT-3 Thunder Tigers  
0844/76-6044 AT-3 Thunder Tigers  
0845/76-6045 AT-3 Thunder Tigers  
0847/77-6047 AT-3 Thunder Tigers  
1909 Beech 1900C-1 STS  
1305/85-0017 C-130H 6th CW  
1315/93-1315 C-130H 6th CW  
1318/97-1318 C-130H 6th CW  
1458/86-8081 F-CK-1C 3rd TFG#  
1462/86-8087 F-CK-1C 3rd TFG  
1466/87-8091 F-CK-1C 9th TFG#  
1481/87-8110 F-CK-1C 1st TFG  
1499/88-8131 F-CK-1C 9th TFG#  
1612/83-8037 F-CK-1D 1st TFG  
1613/84-8039 F-CK-1D 1st TFG#  
1626/86-8115 F-CK-1D 9th TFG#  
1628/88-8121 F-CK-1D 3rd TFG  
5003 Fokker 50 STS  
1427/84-8045 F-CK-1C 3rd TFW Solo Display  
2020/Ei20 Mirage 2000Ei 2nd TFW\* Solo Display  
6635 F-16A 22nd TFG\* Solo Display

Aircraft marked with an \* had special colours. F-CK-1C 1612 performed the weather check while 1628 was the spare for the weather check. F-CK-1Cs 1462 and 1481 were the spares for the formation flypast of the F-CK-1s marked with an #.



UH-60M 943 is seen overhead during the National Flypast over Taipei. UH-60M 943 is also a new addition to our database! (10 October 2019, Reinier Schreurs)



On 21 and 22 September, Ostrava in the Czech Republic hosted the NATO days 2019. Hans Antonissen was lucky enough to capture several of the participants air-to-air while these were arriving there. Thanks to Hans we can offer you these brilliant photos of Swiss F/A-18s J-5005 (background) and J-5006, Romanian Lancer 6824 and Slovak MiG-29 0619. (Czech airspace, 19 September 2019)

# Mexico 2019 Independence Parade



Enrique Giese

The honour to show Mexico's national colours of red, white and green during the Independence Day parade of Mexico City was shared between the Mi-17 fleet of the air force and the navy. The helicopter to the right belongs to the navy (all photos by author, 16 September 2019).

Mexican independence is celebrated as a national holiday on 16 September, usually with a huge military parade in Mexico City and smaller events in other cities. This year, the 209th year of independence was the main theme of the parade. However, austerity measures by the new Mexican government meant the event was a bit smaller than in the past years. Still, an impressive 72 aircraft and helicopters participated in the event, all of which operated from BAM 1 Santa Lucia, just north of Mexico City. We have compiled a report from pictures, with few serials are missing, but the report gives a good impression of what could be seen on this cheerful day over Mexico City. FAM = Mexican Air Force, ARM = Mexican Navy.

Grupo Chacal:

8x (serials below) T-6C+ FAM

Grupo Tigre:

4501, 4506, 4508, 4510 F-5E/F EA.401

Grupo Toro:

1713 Mi-17 EA.303

Grupo Cougar:

1006, 1008 +3	EC725	EA.101
1210, 1212, 1213	Bell 412EP	EA.101

Grupo Halcon:

1066, 1068, 1070, 1076 +2	UH-60M	EA.113
ANX-2305, ANX-2307 +1	UH-60M	ESCAN 124

Grupo Ruso:

1704, 1717	Mi-17	EA.303
ANX-2200	Mi-17	ARM

Grupo Avispa:

3201, 3202	C295M	EA.301
3207, 3208	C295W	EA.301

Grupo Mamut:

3616	C-130K-30	EA.302
3401, 3402, 3403	C-27J	EA.302

Grupo Pantera:

14x (serials below)	T-6C+	FAM
ANX-1307, ANX-1308	T-6C+	ARM



The air force's new hot rod is the T-6C+ which has replaced the Pilatus PC-7 from frontline duties in the last few years, the latter now solely used for training. This T-6C+ is believed to be flown by Escuadron Aereo 203.



Four Airbus C295s lining up at Santa Lucia for the independence parade. As can be seen two aircraft are C295Ws with winglets.

ANX-1312, ANX-1314	T-6C+	ARM	<u>FAM T-6C+ serials including two spares (totals 24):</u>		
ANX-1315, ANX-1317	T-6C+	ARM	6601, 6604, 6605, 6613, 2002, 2003, 2004, 2005, 2006, 2010, 2014, 2018, 2023, 2025, 2026, 2030, 2036, 2038, 2040, 2041, 2045, 2046, 2047, 2049		
<u>Grupo Lobo:</u>			<u>At Zocalo square, Mexico City:</u>		
6306, 6307, 6309, 6310	G120TP	EscPrimario	1621	Bell 206B-3	preserved
6312, 6313, 6315, 6317	G120TP	EscPrimario	(no serial)	MD530F	preserved
6319, 6324	G120TP	EscPrimario	1703	Mi-17	EA.303
<u>Grupo Delfin:</u>			ANX-2131	MD902	ARM
1x	UH-60M	EA.113			



The Mexican Air Force is using the Black Hawk since 1992, although this pair of navy UH-60Ms were delivered as recent as 2016.



The Grob 120TP has replaced both the Bonanza and the SF260E in the basic training role with the Colegio del Aire at Zapopan. Ten of these German-built aircraft participated in the 2019 parade.

# Whatever happened to...



Wim Sonneveld

## ...the Canadian Sea Kings...

*In 2010, the Canadian navy celebrated its 100th anniversary. The navy decided to paint one of its Sea Kings in this old attractive livery. (12405 (ex 4005) CH-124A, 12 Wing, Summerside (P.E.I.), 10 April 2011, Rob Sowald)*

On 1 August 1963, the first two Sikorsky CHSS-2 Sea King helicopters arrived at Shearwater (N.S.) for service with the Royal Canadian Navy. The navy, unlike the British Royal Navy and other NATO countries, opted for a relatively large shipborne helicopter to operate from its frigates. With this in mind, the navy developed the so-called beartrap, a winch that basically pulled the helicopter towards the ship, so it could land and be secured on a rolling and pitching flight deck of a smaller, frigate-size ship. Few could predict that the last of these Cold War submarine hunters would retire more than 55 years later, on 17 December 2018.

No less than forty-one Sea Kings were ordered for service with Canada's Atlantic Fleet, with home base Halifax (N.S.) and air station Shearwater, and the Pacific Fleet with home base Esquimalt (B.C.) and air station Patricia Bay (B.C.). With the unification of the Canadian army, navy and air force into the Canadian Armed Forces, the Sea Kings were given the designation CH-124 and were subsequently re-registered on 14 August 1970. 12 Wing became the parent wing for all Sea King operations and training, thus supporting 443 squadron with the Pacific Fleet, as well as Shearwater-based 406 squadron, the operational training unit and 423 squadron. The Sea Kings served on board of the Iroquois-class destroyers, and later, on board of the Halifax-class frigates.

The Sea King Improvement Programme (SKIP) led to the designation CH-124A, with upgraded avionics. The CH-124B variant had no dipping sonar, but more room for deployable stores; these helicopters were later converted into troop carriers. The single CH-124C was used to test new equipment for the Sea King fleet.

The saga to replace the Sea King is one fascinating procurement story. The programme started in earnest in 1986, however.... only on 15 June 2015, the first interim (!) CH-148 Cyclones were delivered to Shearwater. After initial selection of the, now Agusta Westland, EH101, that contract was cancelled by a new Canadian government, and a hefty compensation had to be paid by this government to the manufacturer. However, the EH101 was again selected as a replacement for the CH-113 Labrador in the SAR-role, and the first of these fifteen helicopters were delivered early 2002. For political reasons the EH101 could not be selected again as a Sea King replacement and the government took the unusual step to select the Sikorsky S-92 in 2004, of which a naval variant still had to be developed solely for the Canadian Armed Forces. A risky and lengthy development at relatively high costs followed. Eventually, the Cyclone reached its Initial Operational Capability (IOC) in June 2018, paving the way for the retirement of the Sea King. Patricia Bay (B.C.) was



*The CH-124A Sea King in full glory! Sea Kings were regularly flown between the Atlantic and Pacific coast before and after maintenance at Shearwater (N.S.). Summerside at Prince Edward Island often served as a point of refuelling.*

*(12410, CH-124A, 12 Wing, Summerside, 9 April 2011, Rob Sowald).*

chosen for the official retirement ceremony on 1 December 2018, and the final farewell flight of three helicopters took place on 17 December 2018.

Canadian CH-124s were regular visitors to Europe on board of Canadian frigates as part of NATO's Standing Naval Force Atlantic (STANAVFORLANT) and Mediterranean (STANAVFORMED).

Last August, it was revealed that fifteen Sea Kings were sold to Rotor Maxx Support, a Parksville (B.C.) based company that specialises in the overhaul and repair of Sikorsky S-61/H-3 helicopters. During last year, a considerable number of CH-124s had already found their way to various museums across Canada.

Below is an overview of the current whereabouts of the fleet:

## Fleet list

Serial:	Subtype:	Fate:	Construction number:	Last noted:
12401	CH-124B	preserved at Shearwater Aviation Museum (N.S.)	61-179	31jul18
4002	CHSS-2	w/o 30nov67, off HMCS Bonaventure at sea	61-189	
12403	CH-124A	scrapped at Dartmouth Metals (N.S.)	61-191	13sep18
12404	CH-124A	sold to Maxx Rotorsupport, Parksville (B.C.)	61-219	aug19
12405	CH-124A	preserved at National Air Force Museum of Canada, Trenton (Ont.)	61-202	dec18
12406	CH-124A	scrapped at Dartmouth Metals (N.S.)	61-207	13sep18
12407	CH-124A	preserved at Comox Air Force Museum (B.C.)	61-213	aug19
12408	CH-124A	sold to Maxx Rotorsupport, Parksville (B.C.)	61-218	aug19
12409	CH-124A	w/o 04nov87, at sea, recovered in jul93, for instructional use at Canadian Fire Fighting Academy, Borden (Ont.)	61-234	mar95
12410	CH-124A	sold to Maxx Rotorsupport, Parksville (B.C.)	61-245	aug19
12411	CH-124A	w/o 19sep89, at sea, recovered, to Shearwater and scrapped	61-249	
12412	CH-124A	sold to Maxx Rotorsupport, Parksville (B.C.)	61-253	aug19
12413	CH-124A	sold to Maxx Rotorsupport, Parksville (B.C.)	61-256	aug19
12414	CH-124A	sold to Maxx Rotorsupport, Parksville (B.C.)	61-260	aug19
4015	CHSS-2	w/o 24jun69	61-264	
12416	CH-124B	sold to Maxx Rotorsupport, Parksville (B.C.)	61-282	aug19
12417	CH-124A	preserved at Patricia Bay (B.C.)	61-283	aug19
12418	CH-124	w/o 26apr73, at sea, partially recovered	61-284	
12419	CH-124A	sold to Maxx Rotorsupport, Parksville (B.C.)	61-285	aug19
12420	CH-124	w/o 08nov71, off HMCS Nipigon at sea	61-286	
12421	CH-124C	sold to Maxx Rotorsupport, Parksville (B.C.)	61-287	aug19
12422	CH-124A	w/o 23jun00, at sea	61-288	
12423	CH-124A	w/o 27feb93, at sea, recovered 01may93 and scrapped	61-289	
12424	CH-124B	sold to Maxx Rotorsupport, Parksville (B.C.)	61-290	aug19
12425	CH-124A	w/o 28apr94, near Saint John (N.B.)	61-324	
12426	CH-124A	preserved at National Air & Space Museum, Rockcliffe (Ont.)	61-328	aug19
4027	CHSS-2	w/o 22feb68, at sea, recovered same date and scrapped	61-330	
12428	CH-124A	preserved at National Defence HQ, Carling Campus, Ottawa (Ont.)	61-332	aug19
12429	CH-124A	preserved at Military Museum Borden (Ont.)	61-334	11jun19
12430	CH-124B	instructional use at Esquimalt (B.C.)	61-336	aug19
12431	CH-124A	preserved at Shearwater Aviation Museum (N.S.)	61-338	02aug18
12432	CH-124	w/o 15nov72, at sea	61-340	
12433	CH-124A	sold to Maxx Rotorsupport, Parksville (B.C.)	61-342	aug19
12434	CH-124B	sold to Maxx Rotorsupport, Parksville (B.C.)	61-344	aug19
12435	CH-124A	w/o 14ju13, at sea, recovered, scrapped at Dartmouth Metals (N.S.)	61-345	13sep18
12436	CH-124A	sold to Maxx Rotorsupport, Parksville (B.C.)	61-347	aug19
12437	CH-124B	sold to Maxx Rotorsupport, Parksville (B.C.)	61-380	aug19
12438	CH-124A	w/o 02feb06, off HMCS Athabaskan	61-381	
12439	CH-124A	w/o 04aug91, near Schenectady (NY), to Mountain View (Ont.), for storage 25aug91, scrapped	61-382	
12440	CH-124A	sold to Maxx Rotorsupport, Parksville (B.C.)	61-383	aug19
12441	CH-124A	preserved Aviation Park at Shearwater (N.S.)	61-384	sep19



Preserved for posterity is this 12441, no period colours, just the livery it wore last. (Aviation Park, Shearwater, 6 September 2019, Rob Sowald)

# 3rd CAB deploys to Europe



On 14 October the 3rd Combat Air Brigade (CAB), 3rd Infantry Division, arrived in the port of Zeebrugge (Belgium) for the next nine months 'heel-to-toe' rotation in support of Atlantic Resolve. (all photos author)

## Operation "Atlantic Resolve"

Atlantic Resolve is made possible by the European Deterrence Initiative and is a strong signal of the United States' ironclad commitment to the NATO Alliance and to regional stability. It builds readiness, increases interoperability and enhances the bond between ally and partner militaries using multinational training events in Bulgaria, Estonia, Hungary, Latvia, Lithuania, Poland and Romania. Since April 2014, US Army Europe has led the Department of Defense's Atlantic Resolve land efforts by bringing units based in the US to Europe for nine months at a time. There are three types of Atlantic Resolve rotations – armoured, aviation and sustainment task force. These rotations are overseen by the Mission Command Element, a regionally aligned headquarters based in Poznan, Poland. There are approximately 6,000 soldiers participating in Atlantic Resolve at any given time.

## 3rd Combat Aviation Brigade, 3rd ID

The 3rd Combat Aviation Brigade (CAB), 3rd Infantry Division is the next aviation brigade coming over to Europe for Atlantic Resolve. It is the seventh rotation coming over and the fifth 'heel-to-toe' deployment of a complete CAB. It replaces the 1st Combat Aviation Brigade, 1st Infantry Division, from Fort Riley (KS). The 3rd CAB's equipment arrived at the port of Zeebrugge in Belgium onboard of the ARC *Endurance* roll-on roll-off cargo ship.



3rd Infantry Division badge

The 3rd CAB is normally based at Hunter Army Airfield, Fort Stewart (GA). During September, 75 of the 3rd CAB's helicopters were flown to the port of Savannah (GA) and loaded onboard the huge ARC *Endurance*. ARC is the American Roll-on Roll-off Company, while the *Endurance* is the biggest roll-on roll-off ship under the flag of USA. The *Endurance* also transported over 2,000 vehicles, containers and pieces of equipment. Approximately 1,700 personnel of the 3rd CAB will be flown to Europe.

On 14 October *Endurance* arrived at the port of Zeebrugge. During the next two days 37 helicopters were offloaded along with numerous vehicles: four CH-47F Chinooks, eight AH-64D Apaches and 25 Blackhawks (eight UH-60L, ten UH-60M and seven HH-60M Air Ambulance version). From the heavily guarded compound in Zeebrugge, after a test run, the helicopters departed to Chièvres air base for a technical stop. From Chièvres the helicopters will continue to Illesheim and Ansbach in Germany, and some further on into Europe. The other thirty-eight helicopters and support equipment onboard will be off-loaded in Volos, Greece. Greece was chosen because of the better weather, training opportunities for other units and the closer distance to the permanent Forward operating base in Romania Mihail Kogălniceanu as well as some training areas. Other permanent FOB's will again be Powidz (Poland) and Lielvārde (Latvia).



Unit badge carried on the rocket pods of B/3-17 CAV's Apaches.

The 3rd CAB units will be distributed across Europe during their deployment, to include: Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Germany, Great Britain, Greece, Hungary, Italy, Latvia, Lithuania, Netherlands, Norway, Poland, Romania and Slovakia.

The aviation units will support various exercises, but the main 'thing' will be the Defender 2020 exercises in the spring of 2020. 3rd CAB will be the only US-based Combat Aviation Brigade, together with Europe-based 12th CAB, to participate in the exercise. The exercise will bring 20,000 US service members from continental US to Europe, along with 20,000 pieces of equipment. It will be busy times for 3rd CAB!

The 3rd CAB will remain in Europe for about nine months.

The following helicopters were delivered via Zeebrugge port:

**A/2-3 GSAB (CMD) / 3 CAB - UH-60L**

92-26458 92-26482 94-26587 95-26596 99-26812  
99-26830 99-26841 05-27055

**B/2-3 GSAB (HH) / 3 CAB - CH-47F**

13-08146 14-08455 14-08461 15-08173

**C/2-3 GSAB (AA) / 3 CAB - HH-60M**

11-20353 11-20354 11-20355 11-20376 11-20402  
\_\_-20409 11-20434

**4-3 AHB (ASLT) / 1 CAB - UH-60M**

11-20356 11-20361 11-20362 11-20364 11-20370  
11-20387 11-20388 \_\_-20392 11-20395 11-20422

**B/3-17 CAV (ARB) / 3 CAB - AH-64D**

05-07002 05-07003 07-05518 07-07045 07-07046  
08-05548 09-05597 09-05602

On our web forum readers have discussed the arrival dates of the helicopters at Chièvres.

## 1st Combat Aviation Brigade, 1st ID

The 3rd CAB (Combat Aviation Brigade) will replace 1st CAB, 1st Infantry Division, out of Marshall AAF/Fort Riley, Kansas. In total 57 helicopters of the 1st CAB staged through Eindhoven (and some before at Wiesbaden or Nörvenich) before arriving at Rotterdam harbour on their way back to CONUS before we went to press. Almost all helicopters remained overnight at Eindhoven. It is confirmed the ARC *Endurance* will travel after Greece to Constanta (Romania, ETA 25 October) to pick up helicopters of the 1st CAB. After Constanta it will travel to Rotterdam (ETA 7 November) to pick up the 57 helicopters. Rumours suggest that of the 85 helicopters that came to Europe, some helicopters were already

airlifted out of Ramstein.

We now present the helicopters, including arrival and departure dates in brackets (all October 2019) at Eindhoven:

**A/2-1 GSAB (CMD) / 1 CAB - UH-60L**

90-26260 (14-17) 90-26266 (14-15) 90-26271 (14-16)  
90-26300 (14-16) 93-26478 (14-15) 94-26555 (14-17)  
96-26706 (14-16) 96-26707 (14-15)

**B/2-1 GSAB (HH) / 1 CAB - CH-47F**

14-08168 (11-17) 15-08194 (14-16) 15-08195 (11-16)  
15-08196 (11-16) 15-08197 (11-14) 15-08466 (11-14)  
15-08467 (14-16) 16-08198 (14-14) 16-08199 (14-14)  
16-08200 (14-15) 16-08201 (11-17) 16-08202 (14-15)

**C/2-1 GSAB (AA) / 1 CAB - HH-60M**

08-20160 (11-14) 08-20163 (11-16) 08-20164 (11-14)  
08-20165 (11-14) 08-20168 (11-14) 08-20171 (11-14)  
10-20309 (11-16)

**3-1 AHB (ASLT) / 1 CAB - UH-60M**

09-20221 (11-17) 10-20255 (11-16) 10-20260 (14-14)  
10-20281 (14-15) 11-20375 (14-15) 12-20451 (14-15)

**A/1-6 CAV (AR) / 1 CAB - AH-64E**

17-3140 (11-16) 17-3147 (14-15) 17-3151 (11-16)  
17-3153 (11-17) 17-3156 (11-16) 17-3163 (14-17)  
17-3166 (14-17) 17-3169 (14-17)

**B/1-6 CAV (AR) / 1 CAB - AH-64E**

17-3139 (11-14) 17-3143 (11-14) 17-3144 (11-14)  
17-3154 (11-14) 17-3164 (11-14) 17-3170 (11-14)  
17-3173 (11-14) 17-3175 (11-14)

**C/1-6 CAV (AR) / 1 CAB - AH-64E**

17-3141 (14-15) 17-3145 (14-15) 17-3146 (14-15)  
17-3149 (14-15) 17-3165 (14-15) 17-3168 (14-15)  
17-3171 (14-15) 17-3174 (14-16)



Two AH-64Ds from B/3-17 CAV (ARB) in the port of Zeebrugge. The one in the rear is equipped with the radarhead for the Longbow radar.

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# China at



The parade started with three formations of one flag-bearing Z-8B escorted by two Z-10s. Seen here is the first group. (Beijing, 1 October 2019)

Seventy years ago, on 1 October 1949, the Peoples Republic of China was declared by Mao Zedong. The Communists had won the civil war forcing the Kuomintang regime and forces into exile. General Chiang Kai-shek fled to Taiwan and Mao introduced state ownership and subsequent redistribution of properties.

China-watchers from around the globe marvel at the achievements made in the 70 years of its existence, with an unprecedented economic growth especially in the last ten years. Although that has waned, and many growing pains occur, urban China is the place to visit if you want to see how we will live in say five or ten years. From bicycles or electric mopeds for general use, activated by your phone, to 350 km/hour trains leaving every couple of minutes. From the nearly paper money-less digital all-by-phone economy to strange fast food chains mixing US and Chinese culture.

The same applies to the aerial assets. China increases its defence expenditure with 10% each year and that shows. The early licence built Russian aircraft formed their assembly and manufacturing capabilities. The next stage was to reverse engineer and improve these aircraft. The H-6 may be derived from the Tu-16 and we respond a bit smug that they are still being built, but it only has some outward design features in common with its grandfather. Besides, the B-52 still flies as well. Proven platforms for stand-off weapons. Each H-6 can basically kill two US aircraft carriers.

Currently, we see the dawn of a new era of sino designs. True, reverse engineering and developing from existing designs is still the major modus operandi, but in the field of unmanned aerial systems and rockets, China seems to have the edge over Western countries already. Celebrations of 70 years of PRC were centered around these kind of achievements. The National Day parade was going to be a huge event. Aircraft-wise, it was not the biggest ever. The 2015 Victory Parade, commemorating 70 years of victory over Japan, held around 20 aircraft more. The last parade, commemorating 90 years of the Army, was held July 2017 in a remote training area. So, the National Day parade held every ten years over Beijing is still the most reasonable option to see enormous amounts of modern Chinese military hardware.

Because of the economic dispute with the United States, the Chinese government said they would 'hold back' a bit as not to seem too aggressive. So not the magic 200-plus aircraft parade we hoped for, but 'just' 168 participants... Made-in-China was the main theme. Also, some new variants were publicly shown, at least officially. Of course, a flock of J-20s was shown off, the first three H-6N variants, the Z-20 'Black-hawk-look-alike' helicopter and Y-20 transports. Also, every conceivable special missions platform derived from the Y-8 (An-12) and Y-9 developed from that, participated.

You would expect hordes of aircraft spotters going there, but China is not too friendly towards photography of military objects. From the day before until the day after the National Day parade, an area of around two by two kilometres of central Beijing is completely locked down. Every subway and train station featured detection gates, every bridge and foot-bridge is guarded by two police men, every major cross road too. The numerous high rise buildings block the view, the aircraft are high in the mostly smog-infested hazy sky and you stand out as a sore thumb, as Westerner toting a big-lensed camera. So enough challenges... Hence the poor quality of some of these shots. We chose to use them anyhow, not the ones on "Chinese internet", just to illustrate what is feasible for a not-too-dexterous passer-by from Europe...

Underlined = from other photos (possibly from last rehearsal)

<b>Formation 1 Communist Party-flag</b>				<b>[3]</b>
LH990803 flag	Z-8B	81st Brigade		Tongxian
LH952121	Z-10	82nd Brigade		Baoding
LH952126	Z-10	82nd Brigade		Baoding
<b>Formation 2 Peoples Republic of China-flag</b>				<b>[3 / 6]</b>
LH952810 flag	Z-8B	82nd Brigade		Baoding
LH952108	Z-10	82nd Brigade		Baoding
LH952127	Z-10	82nd Brigade		Baoding
<b>Formation 3 China Armed Forces-flag</b>				<b>[3 / 9]</b>
LH952807 flag	Z-8B	82nd Brigade		Baoding
LH952122	Z-10	82nd Brigade		Baoding
LH952128	Z-10	82nd Brigade		Baoding
<b>Formation 4a Digit '7' of "70" years</b>				<b>[8 / 17]</b>
LH952102	Z-10	82nd Brigade		Baoding
LH952105	Z-10	82nd Brigade		Baoding



No less than 23 Z-10s were featured in the National Day parade. Equalling the number of the somewhat ungainly Z-19. (Beijing, 1 October 2019)

LH952107	Z-10	82nd Brigade	Baoding
LH952109?	Z-10	82nd Brigade	Baoding
LH952110	Z-10	82nd Brigade	Baoding
LH952111	Z-10	82nd Brigade	Baoding
LH952112	Z-10	82nd Brigade	Baoding
LH952116	Z-10	82nd Brigade	Baoding

**Formation 4b Digit '0' of "70" years [12 / 29]**

LH952505	Z-19	82nd Brigade	Baoding
LH952507	Z-19	82nd Brigade	Baoding
LH952509	Z-19	82nd Brigade	Baoding
LH952510	Z-19	82nd Brigade	Baoding
LH952511	Z-19	82nd Brigade	Baoding
LH952512	Z-19	82nd Brigade	Baoding
LH952515	Z-19	82nd Brigade	Baoding
LH952516	Z-19	82nd Brigade	Baoding
LH952517	Z-19	82nd Brigade	Baoding
LH952518	Z-19	82nd Brigade	Baoding
LH952521	Z-19	82nd Brigade	Baoding
LH952522	Z-19	82nd Brigade	Baoding

Three other Z-8Bs with flags, and a Z-10, peeled of as air spares around the 4th ring road. After this, the ground equipment parade rolled by. No line of sight on those, some exotic new UASs were showcased as well as the strange ULVs used by the army. About forty minutes later the aerial parade started with the fixed wing aircraft.

**Formation 5 AWACS and Ba Yi aerobatics team [9 / 38]**

30574	KJ-2000	77th Regiment	Wuxi
'01'	J-10A	Ba Yi (1st August)	Yangcun
'02'	J-10A	Ba Yi (1st August)	Yangcun
'03'	J-10A	Ba Yi (1st August)	Yangcun
'04'	J-10A	Ba Yi (1st August)	Yangcun
'06'	J-10A	Ba Yi (1st August)	Yangcun
'07'	J-10S	Ba Yi (1st August)	Yangcun
'10'	J-10S	Ba Yi (1st August)	Yangcun
'11'	J-10S	Ba Yi (1st August)	Yangcun

**Formation 6 AWACS and fighters [5 / 43]**

30170	KJ-500	76th Regiment	Wuxi
61025	J-11B	1st Air Brigade	Anshan
61121	J-11B	1st Air Brigade	Anshan
61125 or 6?	J-11B	1st Air Brigade	Anshan
61220?	J-11B	1st Air Brigade	Anshan



One of the 'new' types at the parade was the Y-20A. As may just be seen, they wear a two-digit code on the nose, in this case 11056/'06'. The first operational unit using them is the 12th Air Regiment of the 4th Division at Chengdu/Qionglai. (Beijing, 1 October 2019)



The navy sent various special mission aircraft like this newest AEWC variant of the Y-9, the KJ-500H. ('04', Beijing, 1 October 2019)

<b>Formation 7 AWACS and fighters</b>				<b>[5 / 48]</b>
30672	KJ-200A	77th Regiment		Wuxi
61021	J-11B	1st Air Brigade		Anshan
61022	J-11B	1st Air Brigade		Anshan
61123	J-11B	1st Air Brigade		Anshan
61126 or 8?	J-11B	1st Air Brigade		Anshan

<b>Formation 8 Airborne command post and fighters</b>				<b>[5 / 53]</b>
30871	Y-8T	77th Regiment		Wuxi
6112_	J-11B	1st Air Brigade		Anshan
6122_	J-11B	1st Air Brigade		Anshan
61223	J-11B	1st Air Brigade		Anshan
61320	J-11B	1st Air Brigade		Anshan

<b>Formation 9 PLANAF ASW and AWACS aircraft</b>				<b>[3 / 56]</b>
04	KJ-500H	3rd Division?		Lingshui?
85	Y-8Q	3rd Division?		Lingshui?
86	Y-8Q	3rd Division?		Lingshui?

These are Navy aircraft, currently that force is in the process of reorganizing its Division/Regiment structure into Brigades and allocating five-digit serials. We suspect that the KJ500 code refers to the new system, whereas 85/86 may be 9851 and 9861 in the old system. The tail serials were scrubbed...



Hamster-cheeked Y-8G 30018 is an ECM aircraft of the air force based at Guiyang/Leizhuang. (Beijing, 1 October 2019)

<b>Formation 10 PLANAF ELINT and ASW aircraft</b>				<b>[3 / 59]</b>
(9421)/42	KJ-200H	4th Air Regiment		Laiyang
(9211)/21	Y-9JZ	6th Air Regiment		Dalian
(9241)/24	Y-9JZ	6th Air Regiment		Dalian

<b>Formation 11 Transport aircraft</b>				<b>[3 / 62]</b>
11055/05	Y-20A	12th Air Regiment		Chengdu/Qionglai
11056/06	Y-20A	12th Air Regiment		Chengdu/Qionglai
11057/07	Y-20A	12th Air Regiment		Chengdu/Qionglai

<b>Formation 12 Transport aircraft</b>				<b>[3 / 65]</b>
10054	Y-9	10th Air Regiment		Chengdu/Qionglai
10151	Y-9	10th Air Regiment		Chengdu/Qionglai
10251	Y-9	10th Air Regiment		Chengdu/Qionglai

<b>Formation 13 Special missions aircraft</b>				<b>[3 / 68]</b>
31015	Y-9XZ	60th EW Regiment		Guiyang/Leizhuang
10256 red cross	Y-9	10th Air Regiment		Chengdu/Qionglai
31017	Y-9G	60th EW Regiment		Guiyang/Leizhuang

<b>Formation 14 ECM and ELINT aircraft</b>				<b>[3 / 71]</b>
30011	Y-8CB	58th EW Regiment		Guiyang/Leizhuang
30018	Y-8G	58th EW Regiment		Guiyang/Leizhuang
(9351)/35	Y-8JB	6th Air Regiment		Dalian



Sadly, the mighty SH-5 flying boat is no more. Instead, the ASW platform that is being introduced to replace it, this Y-8Q, is already operated by the navy in considerable quantities. ('85', Beijing, 1 October 2019)



Five J-20 flew by in the National Day parade. This is the Chinese answer to the US F-22. During one of the rehearsals, they managed to field seven in one formation. (Beijing, 1 October 2019)

**Formation 15 Strategic bombers [3 / 74]**

55031	H-6N
55032	H-6N
55033	H-6N

**Formation 16 Strategic bombers [3 / 77]**

41071	H-6K	108th Air Regiment	Wugong
41075	H-6K	108th Air Regiment	Wugong
41076	H-6K	108th Air Regiment	Wugong

**Formation 17 Strategic bombers [3 / 80]**

41073	H-6K	108th Air Regiment	Wugong
41077	H-6K	108th Air Regiment	Wugong
41078	H-6K	108th Air Regiment	Wugong

After this, it became a bit hectic as formations of fighters went overhead with formations of helicopters below. Due to the timing of them and the eastern vantage point chosen, they over passed the helicopters that were still en route to the mausoleum of Mao Zedong.

**Formation 18 Tanker and fighters [3 / 83]**

10790	HU-6	23rd Air Regiment	Leiyang
61065	J-10B	5th Air Brigade	Guilin
61169	J-10B	5th Air Brigade	Guilin

**Formation 19 Tanker and fighters [3 / 86]**

10793	HU-6	23rd Air Regiment	Leiyang
61069	J-10B	5th Air Brigade	Guilin
61168	J-10B	5th Air Brigade	Guilin

**Formation 20 Carrier borne fighters [5 / 91]**

03	J-15	Carrier Air Wing	Huangdicun
18?	J-15	Carrier Air Wing	Huangdicun
19	J-15	Carrier Air Wing	Huangdicun
22	J-15	Carrier Air Wing	Huangdicun
24	J-15	Carrier Air Wing	Huangdicun

**Formation 21 Air superiority fighters [5 / 96]**

78272	J-20	176th Air Brigade	Dingxin
78273	J-20	176th Air Brigade	Dingxin
78274	J-20	176th Air Brigade	Dingxin
78275	J-20	176th Air Brigade	Dingxin
78278 or 9?	J-20	176th Air Brigade	Dingxin

**Formation 22 Fighters [5 / 101]**

61188	J-16	7th Air Brigade	Wuhu
61280	J-16	7th Air Brigade	Wuhu
61281	J-16	7th Air Brigade	Wuhu
61286	J-16	7th Air Brigade	Wuhu
61287	J-16	7th Air Brigade	Wuhu

**Formation 23 Fighters [5 / 106]**

68136	J-10C	72nd Air Brigade	Yangcun
68137	J-10C	72nd Air Brigade	Yangcun
68138	J-10C	72nd Air Brigade	Yangcun
68232	J-10C	72nd Air Brigade	Yangcun
68233	J-10C	72nd Air Brigade	Yangcun

Meanwhile, passing underneath and also flying a different line, partly overhead, the choppers-cloud...



There is no denying the resemblance between this brand new Z-20 and the Sikorsky model 70... (LH953202, Beijing, 1 October 2019)

**Formation 24 Armed reconnaissance helicopters [5 / 111]**

LH951907	Z-9WZ	81st Brigade	Tongxian
LH951916	Z-9WZ	81st Brigade	Tongxian
LH951918	Z-9WZ	81st Brigade	Tongxian
LH951921	Z-9WZ	81st Brigade	Tongxian
LH951925	Z-9WZ	81st Brigade	Tongxian

**Formation 25 Attack helicopters [9 / 120]**

LH981115	Z-10	74th Brigade	Daliao
LH981116	Z-10	74th Brigade	Daliao
LH981117	Z-10	74th Brigade	Daliao
LH981119	Z-10	74th Brigade	Daliao
LH981137	Z-10	74th Brigade	Daliao
LH981138	Z-10	74th Brigade	Daliao
LH9811__	Z-10	74th Brigade	Daliao
LH9811__	Z-10	74th Brigade	Daliao
LH9811__	Z-10	74th Brigade	Daliao

**Formation 26 Assault and reconnaissance helicopters [9 / 129]**

LH951501	Z-19	81st Brigade	Tongxian
LH951505	Z-19	81st Brigade	Tongxian
LH9515__	Z-19	81st Brigade	Tongxian



Z-19 meets J-15, the carrier borne jet passing overhead to make its slot over Tian'anmen square. (LH951516, Beijing, 1 October 2019)



This a J-10C, latest subtype of the fighter that now forms the backbone of the air force. (68137, Beijing, 1 October 2019)



The back side of this JL-9 is basically a J-7, itself derived from the MiG-21F-13. (1735, Beijing, 1 October 2019)

LH953202	Z-20	161st Brigade	Xinxiang
LH953206	Z-20	161st Brigade	Xinxiang
<u>LH982205</u>	Z-20	121st Brigade	Xupu
LH982211	Z-20	121st Brigade	Xupu
<u>LH982212</u>	Z-20	121st Brigade	Xupu
<u>LH982213</u>	Z-20	121st Brigade	Xupu

**Formation 27 Transport helicopters [9 / 138]**

<u>LH952809</u>	Z-8B	82nd Brigade	Baoding
LH952811	Z-8B	82nd Brigade	Baoding
LH952821	Z-8B	82nd Brigade	Baoding
LH963801	Z-8B	80th Brigade	Liaocheng
LH963805	Z-8B	80th Brigade	Liaocheng
LH963816	Z-8B	80th Brigade	Liaocheng
LH963896	Z-8B	80th Brigade	Liaocheng
LH_____	Z-8B		
LH_____	Z-8B		

**Formation 28 Reconnaissance helicopters [8 / 146]**

LH951508	Z-19	81st Brigade	Tongxian
LH951511	Z-19	81st Brigade	Tongxian
LH951515	Z-19	81st Brigade	Tongxian
LH951516	Z-19	81st Brigade	Tongxian
<u>LH951518?</u>	Z-19	81st Brigade	Tongxian
<u>LH951519?</u>	Z-19	81st Brigade	Tongxian
LH_____	Z-19	81st Brigade	Tongxian
LH_____	Z-19	81st Brigade	Tongxian

**Formation 29 Advanced jet trainers [5 / 151]**

2316/36	JL-10A	Shijiazhuang FA/1st Tr.Bgd.	Shijiazhuang
2610/60	JL-10A	Shijiazhuang FA/1st Tr.Bgd.	Shijiazhuang
2618/68	JL-10A	Shijiazhuang FA/1st Tr.Bgd.	Shijiazhuang
2818/88	JL-10A	Shijiazhuang FA/1st Tr.Bgd.	Shijiazhuang
2819/89	JL-10A	Shijiazhuang FA/1st Tr.Bgd.	Shijiazhuang

**Formation 30 Jet trainers [5 / 156]**

1731	JL-9	Harbin FA/3rd Training Brigade	Tieling
1732	JL-9	Harbin FA/3rd Training Brigade	Tieling
1733	JL-9	Harbin FA/3rd Training Brigade	Tieling
1734	JL-9	Harbin FA/3rd Training Brigade	Tieling
1735	JL-9	Harbin FA/3rd Training Brigade	Tieling

**Formation 31 Basic jet trainers [5 / 161]**

3141/11	JL-8	Xi'an FA/4th Training Brigade	Wuwei
3142/12	JL-8	Xi'an FA/4th Training Brigade	Wuwei
3341/31	JL-8	Xi'an FA/4th Training Brigade	Wuwei
3342/32	JL-8	Xi'an FA/4th Training Brigade	Wuwei
3549/59	JL-8	Xi'an FA/4th Training Brigade	Wuwei

**Formation 32 Hongying aerobatics team [7 / 168]**

'01'	JL-8	Hongying (Red Falcons)	Harbin
'02'	JL-8	Hongying (Red Falcons)	Harbin
'04'	JL-8	Hongying (Red Falcons)	Harbin
'05'	JL-8	Hongying (Red Falcons)	Harbin
'07'	JL-8	Hongying (Red Falcons)	Harbin
'08'	JL-8	Hongying (Red Falcons)	Harbin
'09'	JL-8	Hongying (Red Falcons)	Harbin



Latest version of the thoroughbred H-6 is the H-6N model. (55033, Beijing, 1 October 2019)

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*This page is dedicated to Boeing 737-200 ancient series, starting with the very operational B737-2B7 that was noted at the FAMEX exercise at Santa Lucia (26 april 2019, Raymond van Dijkhuizen)*



*B737-282 352 of Esc.811 is awaiting the next step in its overhaul. (Lima-Collao/BA Jorge Chavez, 10th October 2019, Ian French)*



*Out of nine B737s flying with the Indonesian Air Force all four -200s, like this B737-2X9 AI-7302, are operational in the surveillance role with SkU5 at Ujung Pandang/Hasanuddin (Tangerang/Pondok Cabe, 3 October 2019, Geurt van den Berg)*



*Boeing 777 P4-SKN is operated by the government of Equatorial Guinea in a black, white and gold livery. It was taken over from Ceiba Intercontinental at the end of 2017. (Munich, 18 August 2019, Josef Gietl)*



*After her first European mission NASA/DLR B747SP N747NA "Sofia" departed Stuttgart on 20 September 2019 back to her home base at Palmdale (CA). (René Verschuur)*



*KlasJet is a Lithuanian based business aviation company operating the Boeing 737 and CRJ200. All aircraft have a different livery like this LY-FLT which has a blue/grey colour scheme. (Ostend, 6 August 2019, Nik Deblauwe)*