

2- Maintenance Status & Basic Specification (MSN 4255)

A. GENERAL

- Basic Definition

Aircraft Manufacturer	Airbus
Aircraft Type (i.e. B737, A320)	A320
Aircraft Model (i.e. -300, -200)	-200
Aircraft Series (i.e. -33R, -211)	214
Aircraft Serial Number	
Registration Number	
Date of Manufacture	Jun 2010
Owner	
Delivery Date from Airbus	7 Jun 2010
Airframe Time Since New (TSN)	38143
Airframe Cycles Since New (ASN)	22936
Airframe Time Since New (TSN)	40454:53
Airframe Cycles Since New (ASN)	24112

- Operator

Operator	
AOC Regulation (i.e. FAR 121, CAA)	
Airworthiness Certificate – Country	
Airworthiness Certificate – Exp. Date	7 Jun 2023
Noise Compliance	Yes
ETOPS	yes
Avg. Daily Utilization (Hours)	12:35
Avg. Daily Utilization (Cycles)	5:50
Aircraft Flight Schedule	Commercial

B. INTERIOR

- Interior Configuration (Passenger)

	Business	Tourist	Total
Approved Seating Configuration	16	120	136
Seat Manufacturer	Recaro	Recaro	
Seat Model	CL4400	CL3510A	
Seat Part Number (Basic PN)	4400A413-XX-XXX	3510A927-XX-XXX	
IFE Manufacturer	Panasonic	Panasonic	
IFE Model	EFX	EFX	
In Seat Power	Yes	Yes	

-Interior Configuration (Crew)

	Forward	Center	Aft
Cabin Attendant Seats	2	Not installed	4
Lavatories	1	Not installed	2
Galleys	2		1
Galley Manufacturer	Safran (Driessen)		Safran (Driessen)
Galley Model/PN	601410-1 601326-501		601401-1
Catering Standard	Atlas		Atlas
Chilled Cart Positions	111/112		518/519/ 520/521
Chiller	1		1
Ovens	2		4
Hot Cup	1		0
Freezer	0		0
Water Boiler	0		0
Coffee Maker	1		3
Espresso Coffee Maker	1		0
Microwave Oven	0		0
Trash Compactor	0		0

C. OPERATION AND MAINTENANCE STATUS**- Operation**

Total Airframe Hours	40454:53
Total Airframe Cycles	24112
Data as of (date)	9 DEC 2023

- Operating Weights (WV 012)

Last Weight Report Date:	Reference:	
	Kg	Lbs
Maximum Taxi Weight (MTW)	77400	170637
Maximum Take-Off Weight (MTOW)	77000	169755
Maximum Landing Weight (MLW)	66000	145505
Maximum Zero Fuel Weight (MZFW)	62500	137788
Manufacturer Empty Weight (EW)	38300	84437

- Aircraft Maintenance Program general

Aircraft Maintenance Program Provided By:	<input checked="" type="checkbox"/> Operator	<input type="checkbox"/> Other:
Program Approved By Authority Of:	<input type="checkbox"/> FAA Approved	<input checked="" type="checkbox"/> Other: BCAA
Maintenance service provider part 145:	JorAMCo.	
Primary Line Maintenance Provided By?	<input checked="" type="checkbox"/> Operator	
Reliability Controlled Maintenance Program?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

	At Aircraft Delivery	Currently Approved By Local Aviation Authority	Currently Operated/Maintained
ETOPS Qualification	up to 180	120 Min	120 Min

- **Maintenance & Inspection Program description**

Check	Operator's Nomenclature	Calendar	Frequency Hours	Cycles
"C" (or Equivalent)	C check	36 MO	12000 FH	8000 FC
"6Y/12Y" (or Equivalent)	6 YR	6 YR	N/A	N/A

- **Maintenance & Inspection Program Status**

	Phase or Equivalent	Date	Aircraft TAT (Hrs)	Aircraft TAC (Cyc)
Next "C" Phase (or Equivalent)	C2	07.Jul.2025	47310:51	29'618
Has a "C" Check (or Equivalent) occurred	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	07.Jul.2022	35310:51	21618
Time Remaining		571 days	6845:59	5500

	Phase or Equivalent	Date	Aircraft TAT (Hrs)	Aircraft TAC (Cyc)
Next "6Y or 12Y" Check (or Equivalent)	Equivalent	06.Jul.2028	N/A	N/A
Has a "6Y or 12Y" Check (or Equivalent) occurred	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	07.Jul.2022	N/A	N/A

D. ENGINES

- **Basic Engine Definition**

Engine Manufacturer	CFMI
Engine Type (i.e. CFM56, CF6)	CFM56-5B
Engine Model (i.e. -5A, -50C2)	-5B4/3
Thrust	27K
No. of Engines	2
Type of Maintenance Program	On Condition / Condition Monitoring
Overhaul Interval (if hard timed)	20000 FC

- **Engine Maintenance Status (as of 10-12-2023)**

	Pos.1	Pos.2
Serial Number		
General Status	Serviceable	Serviceable
Total Time Since New	36184	37139
Total Cycles Since New	20682	20230
Date of Installation	19-June-2022	9-Feb-2023
Total time at Installation	31025	39954
Total Cycles at Installation	18159	21647

LPC - Hours since Refurbishment	36184	37139
LPC - Cycles since Refurbishment	20682	20230
HPC - Hours since Refurbishment	23804	9924
HPC - Cycles since Refurbishment	14610	5494
Combustor - Hours since Refurbishment	23804	9924
Combustor - Cycles since Refurbishment	14610	5494
HPT- Hours since Inspection/Refurbishment	23804	9924
HPT - Cycles since Inspection/Refurbishment	14610	5494
LPT- Hours since Inspection/Refurbishment	36184	37139
LPT - Cycles since Inspection/Refurbishment	20682	20230
Gearbox- Hours since Refurbishment	23804	9924
Gearbox - Cycles since Refurbishment	14610	5494
Date of Last Shop Visit	28-March-2018	10-Jan-2023
Hours Since Last Shop Visit	23804	9924
Cycles Since Last Shop Visit	14610	5494
Last Repair Facility	GE	Air France
Cause of Last Shop Visit	HPT Blade Distress	Oil Leak
LLP with least Cycles remaining (e.g. T1 Disc)	LPT Disk Stg 3	LPT Shaft
Cycles Remaining to Limiting LLP	1980	3315
Last Borescope Date	XX-XX-2023	XX-XX-2023
Type of last Boroscope Inspection	Hot Section - Normal	Hot Section - Normal
EGT Margin at last Shop Visit Test (C)	91	58
Current EGT Margin (C)	47.11	47.54
EGT Margin degraation per 100 Hrs (C)	N/A	N/A
EGT Margin at Take Off (degree centigrade)	47.11	47.54

E. LANDING GEARS

- Landing Gear Maintenance Program

	Nose	LH	RH
LLP (first limiter)	As Per ALS		
LLP (first limiter) next due			
Overhaul Interval (if hard timed)	120 MO / 20000 FC	120 MO / 20000 FC	120 MO / 20000 FC
Overhaul next due	Jun 2028	Jun 2028	Jun 2028
Part Number	D23757500-8	201582001-040	201582002-040
Serial Number			

F. APU

- Basic APU Definition

Manufacturer	Honeywell
Model	131-9[A]
Part Number	3800708-1

- **APU Maintenance Program**

Maintenance Program Type	On Condition
Overhaul Interval (if hard timed)	4800 APU hours
HSI Interval (if hard timed)	N/A
Serial Number currently installed	R-2280
Serial Number originally delivered	N/A
Current Location	A9CAI
Time Since New (currently installed)	30395
Cycles Since New (currently installed)	30557
Date of Installation (currently installed)	26/03/2020
Time Since Overhaul (currently installed)	3332
Cycles Since Overhaul (currently installed)	4227
Date of Last Shop Visit (currently installed)	02-Mar-2020
Hours since last Shop Visit (currently installed)	3332
Cycles since last Shop Visit (currently installed)	4227
Last Repair Facility (currently installed)	Honeywell
Cause of last Shop Visit (currently installed)	APU FULLY INOPERATIVE
Workscope at last Shop visit (currently installed)	Medium (refer to EDR)

G. FUEL CAPACITY – MAXIMUM USEABLE

	Useable Fuel			
	Volume		Weight	
	Liters	US Gallon	Kg	Lbs
Wing Tanks	15959 l	4216 US Gal	12767 kg	28148 lb
Center Tank	8250 l	2179 US Gal	6600 kg	14547 lb
Trim Tank	N/A	N/A	N/A	N/A
TOTAL	24209 l	6396 US Gal	19367 kg	42699 lb

H. CARGO CONFIGURATION

Area	Max Load (Kg)	Type
Forward Cargo Compartment	3,402	Bulk
Rear Cargo Compartment	4,536	Bulk
Bulk Cargo Compartment	1,497	Bulk

J. AVIONIC EQUIPMENT

Qty	Component	Manufacturer	Model/Part Number
22 Auto Flight			
2	FMGEC – Flight Management,	THALES	C13043AA06
3	MCDU-Multipurpose Control Display Unit	THALES	C19266DA01
1	FCU-Flight Control Unit	THALES	C12850BC02
	Predictive Windshear Activated	Yes No	
23 Communications			
2	HF Transceiver	COLLINS	822-0990-003
2	HF Coupler	COLLINS	822-0987-003

3	VHF Transceiver	COLLINS	822-1287-120
1	SDU-SATCOM Data Unit	COLLINS	822-1405-401
3	RMP-Radio Management Panel	THALES	C12848DA01
3	Audi Control Panel	COBHAM	ACP2788AE01
1	Flight Attendant Panel (FAP)	AIRBUS	Z133H052251D
1	ACARS Management Unit (if ATSU see Chapter 46)	AIRBUS	LA2T0G21006CA10
1	AMU- Audio Management Unit/SELCAL Decoder	COBHAM	AMU4031LA140204
2	CIDS Director – Cabin Intercommunication Data System	AIRBUS	Z014H000231B
1	Cockpit Voice Recorder	HONEYWELL	980-6022-001
27 Flight Control Computer			
2	ELAC-ELEVATOR AILERON COMPUTER	THALES	3945129100
3	SEC-SPOILER ELEVATOR COMPUTER	THALES	B372BAM0515
2	FCDC- Flight Control Data Concentrator	NORTHROP GRUMMANN	115370-1519
31 Indicating and Recording			
1	SSFDR- Solid State Flight Data Recorder	HONEYWELL	980-4700-042
1	FDIMU-FLIGHT DATA INTERFACE MANAGEMENT UNIT	TELEDYNE	2234320-01-01
2	FWC- Flight Warning Computers	AIRBUS	350E053022323
1	WQAR- Quick Access Recorder or Optical Disk Recorder	TELEDYNE	2243800-73
1	SELECTOR-DATA LOADING	SAFRAN ELECTRON	DLSA100
2	SDAC- System Data Acquisition Concentrators	AIRBUS	350E5500206
3	DMC- Display Management Computer	THALES	1982660116
6	DU-DISPLAY UNIT	THALES	C19298AF05
1	PRINTER	HONEYWELL	8055515-4501
1	ECAM Ctl Panel	AIRBUS	35-0L0-1002-05
34 Navigation			
3	ADIRU- Air Data/Inertial Reference System	HONEYWELL	HG2030BE03
2	DME- Distance Measuring Interrogators	COLLINS	822-0329-020
1	VHF VOR/ Marker Beacon Receiver	COLLINS	822-0297-020
2	MMR	COLLINS	822-1821-430
2	Radio Altimeter Transceiver	COLLINS	822-0334-020
1	Weather Rader Transceiver	COLLINS	822-1710-214
1	Wx Radar Ant Drive	COLLINS	622-5136-801
1	T2CAS- Traffic Alert and Collision Avoidance System Computer	AVIATION COMMUNICATION & SURVEILLANCE SYSTEMS	9000000-11414
1	ATC- Air Traffic Control System Transponder	AVIATION COMMUNICATION & SURVEILLANCE SYSTEMS	7517800-12402
1	ATC/TCAS Ctl Unit	THALES	C12404AB02
1	ADF- Automatic Direction Finder Receiver	COLLINS	822-0299-020
3	Pitot Probe	UTC AEROSPACE	0851HL
1	Stby Compass	SIRS NAVIGATION	PGA0105W

A320-214 Aircraft # 2 Technical Specification

1- Layout of Passenger Arrangement (LOPA);



2- Maintenance Status & Basic Specification (MSN 4158)

A. GENERAL

- Basic Definition

Aircraft Manufacturer	Airbus
Aircraft Type (i.e. B737, A320)	A320
Aircraft Model (i.e. -300, -200)	-200
Aircraft Series (i.e. -33R, -211)	214
Aircraft Serial Number	
Registration Number	
Date of Manufacture	Jan 2010
Owner	
Delivery Date from Airbus	19 Jan 2010
Airframe Time Since New (TSN)	41263
Airframe Cycles Since New (ASN)	25231
Airframe Time Since New (TSN)	43357:16
Airframe Cycles Since New (ASN)	26331

- Operator

Operator	
AOC Regulation (i.e. FAR 121, CAA)	
Airworthiness Certificate – Country	
Airworthiness Certificate – Exp. Date	19 Jan 2024
Noise Compliance	Yes
ETOPS	yes
Avg. Daily Utilization (Hours)	12:35
Avg. Daily Utilization (Cycles)	5:50
Aircraft Flight Schedule	Commercial

B. INTERIOR

- Interior Configuration (Passenger)

	Business	Tourist	Total
Approved Seating Configuration	16	120	136
Seat Manufacturer	Recaro	Recaro	
Seat Model	CL4400	CL3510A	
Seat Part Number (Basic PN)	4400A413-XX-XXX	3510A927-XX-XXX	
IFE Manufacturer	Panasonic	Panasonic	
IFE Model	EFX	EFX	
In Seat Power	Yes	Yes	

-Interior Configuration (Crew)

	Forward	Center	Aft
Cabin Attendant Seats	2	Not installed	4
Lavatories	1	Not installed	2
Galleys	2		1
Galley Manufacturer	Safran (Driessen)		Safran (Driessen)
Galley Model/PN	601410-1 601326-501		601401-1
Catering Standard	Atlas		Atlas
Chilled Cart Positions	111/112		518/519/ 520/521
Chiller	1		1
Ovens	2		4
Hot Cup	1		0
Freezer	0		0
Water Boiler	0		0
Coffee Maker	1		3
Espresso Coffee Maker	1		0
Microwave Oven	0		0
Trash Compactor	0		0

C. OPERATION AND MAINTENANCE STATUS**- Operation**

Total Airframe Hours	43357:16
Total Airframe Cycles	26331
Data as of (date)	9 DEC 2023

- Operating Weights (WV 012)

Last Weight Report Date:	Reference:	
	Kg	Lbs
Maximum Taxi Weight (MTW)	77400	170637
Maximum Take-Off Weight (MTOW)	77000	169755
Maximum Landing Weight (MLW)	66000	145505
Maximum Zero Fuel Weight (MZFW)	62500	137788
Manufacturer Empty Weight (EW)	38300	84437

- Aircraft Maintenance Program general

Aircraft Maintenance Program Provided By:	<input checked="" type="checkbox"/> Operator	<input type="checkbox"/> Other:
Program Approved By Authority Of:	<input type="checkbox"/> FAA Approved	<input checked="" type="checkbox"/> Other: BCAA
Maintenance service provider part 145:	JorAMCo.	
Primary Line Maintenance Provided By?	<input checked="" type="checkbox"/> Operator	
Reliability Controlled Maintenance Program?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

	At Aircraft Delivery	Currently Approved By Local Aviation Authority	Currently Operated/Maintained
ETOPS Qualification	up to 180	120 Min	120 Min

- **Maintenance & Inspection Program description**

Check	Operator's Nomenclature	Calendar	Frequency Hours	Cycles
"C" (or Equivalent)	C check	36 MO	12000 FH	8000 FC
"6Y/12Y" (or Equivalent)	6 YR	6 YR	N/A	N/A

- **Maintenance & Inspection Program Status**

	Phase or Equivalent	Date	Aircraft TAT (Hrs)	Aircraft TAC (Cyc)
Next "C" Phase (or Equivalent)	C2	22.Oct.2024	48805:13	30'883
Has a "C" Check (or Equivalent) occurred	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	22.Oct.2021	36805:13	22883
Time Remaining		313 DY	5424:44	4532

	Phase or Equivalent	Date	Aircraft TAT (Hrs)	Aircraft TAC (Cyc)
Next "6Y or 12Y" Check (or Equivalent)	Equivalent	21.Oct.2027	N/A	N/A
Has a "6Y or 12Y" Check (or Equivalent) occurred	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	22.Oct.2021	N/A	N/A

D. ENGINES**- Basic Engine Definition**

Engine Manufacturer	CFMI
Engine Type (i.e. CFM56, CF6)	CFM56-5B
Engine Model (i.e. -5A, -50C2)	-5B4/3
Thrust	27K
No. of Engines	2
Type of Maintenance Program	On Condition / Condition Monitoring
Overhaul Interval (if hard timed)	20000 FC

- Engine Maintenance Status (as of 10-Dec-2023)

	Pos.1	Pos.2
Serial Number		
General Status	SERVICEABLE	SERVICEABLE
Total Time Since New	39959	30099
Total Cycles Since New	23238	18691
Date of Installation	Not Installed	11-Aug-2019
Total time at Installation	Not Installed	26139
Total Cycles at Installation	Not Installed	16458
LPC - Hours since Refurbishment	39959	13367
LPC - Cycles since Refurbishment	23238	7215
HPC - Hours since Refurbishment	16647	13367
HPC - Cycles since Refurbishment	9125	7215
Combustor - Hours since Refurbishment	16647	13367
Combustor - Cycles since Refurbishment	9125	7215
HPT- Hours since Inspection/Refurbishment	16647	13367
HPT - Cycles since Inspection/Refurbishment	9125	7215
LPT- Hours since Inspection/Refurbishment	39959	30099
LPT - Cycles since Inspection/Refurbishment	23238	18691
Gearbox- Hours since Refurbishment	16647	13367
Gearbox - Cycles since Refurbishment	9125	7215
Date of Last Shop Visit	30-April-2017	21-May-2018
Hours Since Last Shop Visit	16647	13367
Cycles Since Last Shop Visit	9125	7215
Last Repair Facility	GE	GE
Cause of Last Shop Visit	Perf Restoration	HPT blade Distress
LLP with least Cycles remaining (e.g. T1 Disc)	LPT SHAFT	LPT SHAFT
Cycles Remaining to Limiting LLP	1762	1260
Last Borescope Date	XX-XX-2023	XX-XX-2023
Type of last Boroscope Inspection	Reduced 400 FC	Hot Section - Normal
EGT Margin at last Shop Visit Test (C)	77	93
Current EGT Margin (C)	NA	35.04
EGT Margin degradation per 100 Hrs (C)	NA	NA
EGT Margin at Take Off (degree centigrade)	77	35.04

E. LANDING GEARS

- Landing Gear Maintenance Program

	Nose	LH	RH
LLP (first limiter)	As Per ALS		
LLP (first limiter) next due			
Overhaul Interval (if hard timed)	120 MO / 20000 FC	120 MO / 20000 FC	120 MO / 20000 FC
Overhaul next due	Feb 2028	Feb 2028	Feb 2028
Part Number	D23757500-8	201582001-040	201582002-040
Serial Number			

F. APU

- Basic APU Definition

Manufacturer	Honeywell
Model	131-9[A]
Part Number	3800708-1

- APU Maintenance Program

Maintenance Program Type	On Condition
Overhaul Interval (if hard timed)	4800 Apu hours
HSI Interval (if hard timed)	N/A
Serial Number currently installed	
Serial Number originally delivered	N/A
Current Location	N/A
Time Since New (currently installed)	27822
Cycles Since New (currently installed)	23568
Date of Installation (currently installed)	TBC
Time Since Overhaul (currently installed)	4652
Cycles Since Overhaul (currently installed)	5050
Date of Last Shop Visit (currently installed)	23-Aug-2021
Hours since last Shop Visit (currently installed)	4652
Cycles since last Shop Visit (currently installed)	5050
Last Repair Facility (currently installed)	Honeywell
Cause of last Shop Visit (currently installed)	PERFORMANCE DETERIORATION
Workscope at last Shop visit (currently installed)	Refer to EDR (Medium)

G. FUEL CAPACITY – MAXIMUM USEABLE

	Useable Fuel			
	Volume		Weight	
	Liters	US Gallon	Kg	Lbs
Wing Tanks	15959 l	4216 US Gal	12767 kg	28148 lb
Center Tank	8250 l	2179 US Gal	6600 kg	14547 lb
Trim Tank	N/A	N/A	N/A	N/A
TOTAL	24209 l	6396 US Gal	19367 kg	42699 lb

H. CARGO CONFIGURATION

Area	Max Load (Kg)	Type
Forward Cargo Compartment	3,402	Bulk
Rear Cargo Compartment	4,536	Bulk
Bulk Cargo Compartment	1,497	Bulk

**J. AVIONIC EQUIPMENT**

Qty	Component	Manufacturer	Model/Part Number
22 Auto Flight			
2	FMGEC – Flight Management,	THALES	C13043AA06
3	MCDU-Multipurpose Control Display Unit	THALES	C19266DA01
1	FCU-Flight Control Unit	THALES	C12850BC02
	Predictive Windshear Activated	Yes	No
23 Communications			
2	HF Transceiver	COLLINS	822-0990-003
2	HF Coupler	COLLINS	822-0987-003
3	VHF Transceiver	COLLINS	822-1287-120
1	SDU-SATCOM Data Unit	COLLINS	822-1405-401
3	RMP-Radio Management Panel	THALES	C12848DA01
3	Audi Control Panel	COBHAM	ACP2788AE01
1	Flight Attendant Panel (FAP)	AIRBUS	Z133H052251D
1	ACARS Management Unit (if ATSU see Chapter 46)	AIRBUS	LA2T0G21006CA10
1	AMU- Audio Management Unit/SELCAL Decoder	COBHAM	AMU4031LA140204
2	CIDS Director – Cabin Intercommunication Data System	AIRBUS	Z014H000231B
1	Cockpit Voice Recorder	HONEYWELL	980-6022-001
27 Flight Control Computer			
2	ELAC-ELEVATOR AILERON COMPUTER	THALES	3945129100
3	SEC-SPOILER ELEVATOR COMPUTER	THALES	B372BAM0515
2	FCDC- Flight Control Data Concentrator	NORTHROP GRUMMANN	115370-1519
31 Indicating and Recording			
1	SSFDR- Solid State Flight Data Recorder	HONEYWELL	980-4700-042
1	FDIMU-FLIGHT DATA INTERFACE MANAGEMENT UNIT	TELEDYNE	2234320-01-01
2	FWC- Flight Warning Computers	AIRBUS	350E053022323
1	WQAR- Quick Access Recorder or Optical Disk Recorder	TELEDYNE	2243800-73
1	SELECTOR-DATA LOADING	SAFRAN ELECTRON	DLSA100
2	SDAC- System Data Acquisition Concentrators	AIRBUS	350E5500206
3	DMC- Display Management Computer	THALES	1982660116

6	DU-DISPLAY UNIT	THALES	C19298AF05
1	PRINTER	HONEYWELL	8055515-4501
1	ECAM Ctl Panel	AIRBUS	35-0L0-1002-05
34 Navigation			
3	ADIRU- Air Data/Inertial Reference System	HONEYWELL	HG2030BE03
2	DME- Distance Measuring Interrogators	COLLINS	822-0329-020
1	VHF VOR/ Marker Beacon Receiver	COLLINS	822-0297-020
2	MMR	COLLINS	822-1821-430
2	Radio Altimeter Transceiver	COLLINS	822-0334-020
1	Weather Rader Transceiver	COLLINS	822-1710-214
1	Wx Radar Ant Drive	COLLINS	622-5136-801
1	T2CAS- Traffic Alert and Collision Avoidance System Computer	AVIATION COMMUNICATION & SURVEILLANCE SYSTEMS	9000000-11414
1	ATC- Air Traffic Control System Transponder	AVIATION COMMUNICATION & SURVEILLANCE SYSTEMS	7517800-12402
1	ATC/TCAS Ctl Unit	THALES	C12404AB02
1	ADF- Automatic Direction Finder Receiver	COLLINS	822-0299-020
3	Pitot Probe	UTC AEROSPACE	0851HL
1	Stby Compass	SIRS NAVIGATION	PGA0105W

A320-214 Aircraft # 3 Technical Specification

1- Layout of Passenger Arrangement (LOPA);



2- Maintenance Status & Basic Specification (MSN 4218)

A. GENERAL

- Basic Definition

Aircraft Manufacturer	Airbus
Aircraft Type (i.e. B737, A320)	A320
Aircraft Model (i.e. -300, -200)	-200
Aircraft Series (i.e. -33R, -211_)	214
Aircraft Serial Number	
Registration Number	
Date of Manufacture	Mar 2010
Owner	
Delivery Date from Airbus	4 Mar 2010
Airframe Time Since New (TSN)	44595:08
Airframe Cycles Since New (ASN)	25600

- Operator

Operator	
AOC Regulation (i.e. FAR 121, CAA)	
Airworthiness Certificate – Country	
Airworthiness Certificate – Exp. Date	4 Mar 2024
Noise Compliance	Yes
ETOPS	yes
Avg. Daily Utilization (Hours)	12:35
Avg. Daily Utilization (Cycles)	5:50
Aircraft Flight Schedule	Commercial

B. INTERIOR

- Interior Configuration (Passenger)

	Business	Tourist	Total
Approved Seating Configuration	16	120	136
Seat Manufacturer	Recaro	Recaro	
Seat Model	CL4400	CL3510A	
Seat Part Number (Basic PN)	4400A413-XX-XXX	3510A927-XX-XXX	
IFE Manufacturer	Panasonic	Panasonic	
IFE Model	EFX	EFX	
In Seat Power	Yes	Yes	

-Interior Configuration (Crew)

	Forward	Center	Aft
Cabin Attendant Seats	2	Not installed	4
Lavatories	1	Not installed	2
Galleys	2		1
Galley Manufacturer	Safran (Driessen)		Safran (Driessen)
Galley Model/PN	601410-1 601326-501		601401-1
Catering Standard	Atlas		Atlas
Chilled Cart Positions	111/112		518/519/52 0/521
Chiller	1		1
Ovens	2		4
Hot Cup	1		0
Freezer	0		0
Water Boiler	0		0
Coffee Maker	1		3
Espresso Coffee Maker	1		0
Microwave Oven	0		0
Trash Compactor	0		0

C. OPERATION AND MAINTENANCE STATUS**- Operation**

Total Airframe Hours	44595:08
Total Airframe Cycles	25600
Data as of (date)	9 DEC 2023

- Operating Weights (WV 012)

Last Weight Report Date:	Reference:	
	Kg	Lbs
Maximum Taxi Weight (MTW)	77400	170637
Maximum Take-Off Weight (MTOW)	77000	169755
Maximum Landing Weight (MLW)	66000	145505
Maximum Zero Fuel Weight (MZFW)	62500	137788
Manufacturer Empty Weight (EW)	38300	84437

- Aircraft Maintenance Program general

Aircraft Maintenance Program Provided By:	<input checked="" type="checkbox"/> Operator	<input type="checkbox"/> Other:
Program Approved By Authority Of:	<input type="checkbox"/> FAA Approved	<input checked="" type="checkbox"/> Other: BCAA
Maintenance service provider part 145:	JorAMCo.	
Primary Line Maintenance Provided By?	<input checked="" type="checkbox"/> Operator	
Reliability Controlled Maintenance Program?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

	At Aircraft Delivery	Currently Approved By Local Aviation Authority	Currently Operated/Maintained
ETOPS Qualification	up to 180	120 Min	120 Min

- **Maintenance & Inspection Program description**

Check	Operator's Nomenclature	Calendar	Frequency Hours	Cycles
"C" (or Equivalent)	C check	36 MO	12000 FH	8000 FC
"6Y/12Y" (or Equivalent)	6 YR	6 YR	N/A	N/A

- **Maintenance & Inspection Program Status**

	Phase or Equivalent	Date	Aircraft TAT (Hrs)	Aircraft TAC (Cyc)
Next "C" Phase (or Equivalent)	C2	05.Apr.2025	50478:05	30'592
Has a "C" Check (or Equivalent) occurred	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	05.Apr.2022	38478:05	22592
Time Remaining		478 Days	5851:26	4960

	Phase or Equivalent	Date	Aircraft TAT (Hrs)	Aircraft TAC (Cyc)
Next "6Y or 12Y" Check (or Equivalent)	Equivalent	04.Apr.2028	N/A	N/A
Has a "6Y or 12Y" Check (or Equivalent) occurred	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	05.Apr.2022	N/A	N/A

D. ENGINES

- **Basic Engine Definition**

Engine Manufacturer	CFMI
Engine Type (i.e. CFM56, CF6)	CFM56-5B
Engine Model (i.e. -5A, -50C2)	-5B4/3
Thrust	27K
No. of Engines	2
Type of Maintenance Program	On Condition / Condition Monitoring
Overhaul Interval (if hard timed)	20000 FC

- **Engine Maintenance Status (as of 10-12-2023)**

	Pos.1	Pos.2
Serial Number		
General Status	SERVICEABLE	SERVICEABLE
Total Time Since New	41654	40630
Total Cycles Since New	23191	23412
Date of Installation	19-Oct-2018	24-June-2019
Total time at Installation	29383	30736
Total Cycles at Installation	16485	18185

LPC - Hours since Refurbishment	41654	40630
LPC - Cycles since Refurbishment	23191	23412
HPC - Hours since Refurbishment	12271	9894
HPC - Cycles since Refurbishment	6706	5227
Combustor - Hours since Refurbishment	12271	9894
Combustor - Cycles since Refurbishment	6706	5227
HPT- Hours since Inspection/Refurbishment	12271	9894
HPT - Cycles since Inspection/Refurbishment	6706	5227
LPT- Hours since Inspection/Refurbishment	41654	40630
LPT - Cycles since Inspection/Refurbishment	23191	23412
Gearbox- Hours since Refurbishment	12271	9894
Gearbox - Cycles since Refurbishment	6706	5227
Date of Last Shop Visit	23-Aug-2018	02-June-2019
Hours Since Last Shop Visit	12271	9894
Cycles Since Last Shop Visit	6706	5227
Last Repair Facility	GE	GE
Cause of Last Shop Visit	HPT Blade Distress	HPT Blade Distress
LLP with least Cycles remaining (e.g. T1 Disc)	LPT Shaft	LPT Shaft
Cycles Remaining to Limiting LLP	1789	1521
Last Borescope Date	XX-XX-2023	XX-XX-2023
Type of last Boroscope Inspection	Hot Section - Normal	Hot Section - Normal
EGT Margin at last Shop Visit Test (C)	88	72
Current EGT Margin (C)	28.53	47.83
EGT Margin degration per 100 Hrs (C)	N/A	N/A
EGT Margin at Take Off (degree centigrade)	28.53	47.83

E. LANDING GEARS

- Landing Gear Maintenance Program

	Nose	LH	RH
LLP (first limiter)	As Per ALS		
LLP (first limiter) next due	As Per ALS		
Overhaul Interval (if hard timed)	120 MO / 20000 FC	120 MO / 20000 FC	120 MO / 20000 FC
Overhaul next due	Feb 2028	Feb 2028	Feb 2028
Part Number	D23757500-8	201582001-040	201582002-040
Serial Number			

F. APU

- Basic APU Definition

Manufacturer	Honeywell
Model	131-9[A]
Part Number	3800708-1

- **APU Maintenance Program**

Maintenance Program Type	On Condition
Overhaul Interval (if hard timed)	4800 APU hours
HSI Interval (if hard timed)	N/A
Serial Number currently installed	
Serial Number originally delivered	N/A
Current Location	
Time Since New (currently installed)	33915
Cycles Since New (currently installed)	26811
Date of Installation (currently installed)	05-Nov-2022
Time Since Overhaul (currently installed)	2330
Cycles Since Overhaul (currently installed)	3075
Date of Last Shop Visit (currently installed)	22-Oct-2022
Hours since last Shop Visit (currently installed)	2330
Cycles since last Shop Visit (currently installed)	3075
Last Repair Facility (currently installed)	Honeywell
Cause of last Shop Visit (currently installed)	APU INOP
Workscope at last Shop visit (currently installed)	OVERHAULED

G. FUEL CAPACITY – MAXIMUM USEABLE

	Useable Fuel			
	Volume		Weight	
	Liters	US Gallon	Kg	Lbs
Wing Tanks	15959 l	4216 US Gal	12767 kg	28148 lb
Center Tank	8250 l	2179 US Gal	6600 kg	14547 lb
Trim Tank	N/A	N/A	N/A	N/A
TOTAL	24209 l	6396 US Gal	19367 kg	42699 lb

H. CARGO CONFIGURATION

Area	Max Load (Kg)	Type
Forward Cargo Compartment	3,402	Bulk
Rear Cargo Compartment	4,536	Bulk
Bulk Cargo Compartment	1,497	Bulk

J. AVIONIC EQUIPMENT

Qty	Component	Manufacturer	Model/Part Number
22 Auto Flight			
2	FMGEC – Flight Management,	THALES	C13043AA06
3	MCDU-Multipurpose Control Display Unit	THALES	C19266DA01
1	FCU-Flight Control Unit	THALES	C12850BC02
	Predictive Windshear Activated	Yes No	
23 Communications			
2	HF Transceiver	COLLINS	822-0990-003

2	HF Coupler	COLLINS	822-0987-003
3	VHF Transceiver	COLLINS	822-1287-120
1	SDU-SATCOM Data Unit	COLLINS	822-1405-401
3	RMP-Radio Management Panel	THALES	C12848DA01
3	Audi Control Panel	COBHAM	ACP2788AE01
1	Flight Attendant Panel (FAP)	AIRBUS	Z133H052251D
1	ACARS Management Unit (if ATSU see Chapter 46)	AIRBUS	LA2T0G21006CA10
1	AMU- Audio Management Unit/SELCAL Decoder	COBHAM	AMU4031LA140204
2	CIDS Director – Cabin Intercommunication Data System	AIRBUS	Z014H000231B
1	Cockpit Voice Recorder	HONEYWELL	980-6022-001
27 Flight Control Computer			
2	ELAC-ELEVATOR AILERON COMPUTER	THALES	3945129100
3	SEC-SPOILER ELEVATOR COMPUTER	THALES	B372BAM0515
2	FCDC- Flight Control Data Concentrator	NORTHROP GRUMMANN	115370-1519
31 Indicating and Recording			
1	SSFDR- Solid State Flight Data Recorder	HONEYWELL	980-4700-042
1	FDIMU-FLIGHT DATA INTERFACE MANAGEMENT UNIT	TELEDYNE	2234320-01-01
2	FWC- Flight Warning Computers	AIRBUS	350E053022323
1	WQAR- Quick Access Recorder or Optical Disk Recorder	TELEDYNE	2243800-73
1	SELECTOR-DATA LOADING	SAFRAN ELECTRON	DLSA100
2	SDAC- System Data Acquisition Concentrators	AIRBUS	350E5500206
3	DMC- Display Management Computer	THALES	1982660116
6	DU-DISPLAY UNIT	THALES	C19298AF05
1	PRINTER	HONEYWELL	8055515-4501
1	ECAM Ctl Panel	AIRBUS	35-0L0-1002-05
34 Navigation			
3	ADIRU- Air Data/Inertial Reference System	HONEYWELL	HG2030BE03
2	DME- Distance Measuring Interrogators	COLLINS	822-0329-020
1	VHF VOR/ Marker Beacon Receiver	COLLINS	822-0297-020
2	MMR	COLLINS	822-1821-430
2	Radio Altimeter Transceiver	COLLINS	822-0334-020
1	Weather Rader Transceiver	COLLINS	822-1710-214
1	Wx Radar Ant Drive	COLLINS	622-5136-801
1	T2CAS- Traffic Alert and Collision Avoidance System Computer	AVIATION COMMUNICATION & SURVEILLANCE SYSTEMS	9000000-11414
1	ATC- Air Traffic Control System Transponder	AVIATION COMMUNICATION & SURVEILLANCE SYSTEMS	7517800-12402
1	ATC/TCAS Ctl Unit	THALES	C12404AB02
1	ADF- Automatic Direction Finder Receiver	COLLINS	822-0299-020
3	Pitot Probe	UTC AEROSPACE	0851HL
1	Stby Compass	SIRS NAVIGATION	PGA0105W

A320-214 Aircraft # 4 Technical Specification

1- Layout of Passenger Arrangement (LOPA);



2- Maintenance Status & Basic Specification (MSN 4188)

A. GENERAL

- Basic Definition

Aircraft Manufacturer	Airbus
Aircraft Type (i.e. B737, A320)	A320
Aircraft Model (i.e. -300, -200)	-200
Aircraft Series (i.e. -33R, -211)	214
Aircraft Serial Number	
Registration Number	
Date of Manufacture	Feb 2010
Owner	
Delivery Date from Airbus	8 Feb 2010
Airframe Time Since New (TSN)	38377
Airframe Cycles Since New (ASN)	22895
Airframe Time Since New (TSN)	40586:26
Airframe Cycles Since New (ASN)	24122

- Operator

Operator	
AOC Regulation (i.e. FAR 121, CAA)	
Airworthiness Certificate – Country	
Airworthiness Certificate – Exp. Date	8 Feb 2024
Noise Compliance	Yes
ETOPS	yes
Avg. Daily Utilization (Hours)	12:35
Avg. Daily Utilization (Cycles)	5:50
Aircraft Flight Schedule	Commercial

B. INTERIOR

- Interior Configuration (Passenger)

	Business	Tourist	Total
Approved Seating Configuration	16	120	136
Seat Manufacturer	Recaro	Recaro	
Seat Model	CL4400	CL3510A	
Seat Part Number (Basic PN)	4400A413-XX-XXX	3510A927-XX-XXX	
IFE Manufacturer	Panasonic	Panasonic	
IFE Model	EFX	EFX	
In Seat Power	Yes	Yes	

-Interior Configuration (Crew)

	Forward	Center	Aft
Cabin Attendant Seats	2	Not installed	4
Lavatories	1	Not installed	2
Galleys	2		1
Galley Manufacturer	Safran (Driessen)		Safran (Driessen)
Galley Model/PN	601410-1 601326-501		601401-1
Catering Standard	Atlas		Atlas
Chilled Cart Positions	111/112		518/519/ 520/521
Chiller	1		1
Ovens	2		4
Hot Cup	1		0
Freezer	0		0
Water Boiler	0		0
Coffee Maker	1		3
Espresso Coffee Maker	1		0
Microwave Oven	0		0
Trash Compactor	0		0

C. OPERATION AND MAINTENANCE STATUS**- Operation**

Total Airframe Hours	40586:26
Total Airframe Cycles	24122
Data as of (date)	9 DEC 2023

- Operating Weights (WV 012)

Last Weight Report Date:	Reference:	
	Kg	Lbs
Maximum Taxi Weight (MTW)	77400	170637
Maximum Take-Off Weight (MTOW)	77000	169755
Maximum Landing Weight (MLW)	66000	145505
Maximum Zero Fuel Weight (MZFW)	62500	137788
Manufacturer Empty Weight (EW)	38300	84437

- Aircraft Maintenance Program general

Aircraft Maintenance Program Provided By:	<input checked="" type="checkbox"/> Operator	<input type="checkbox"/> Other:
Program Approved By Authority Of:	<input type="checkbox"/> FAA Approved	<input checked="" type="checkbox"/> Other: BCAA
Maintenance service provider part 145:	JorAMCo.	
Primary Line Maintenance Provided By?	<input checked="" type="checkbox"/> Operator	
Reliability Controlled Maintenance Program?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

	At Aircraft Delivery	Currently Approved By Local Aviation Authority	Currently Operated/Maintained
ETOPS Qualification	up to 180	120 Min	120 Min

- **Maintenance & Inspection Program description**

Check	Operator's Nomenclature	Calendar	Frequency Hours	Cycles
"C" (or Equivalent)	C check	36 MO	12000 FH	8000 FC
"6Y/12Y" (or Equivalent)	6 YR	6 YR	N/A	N/A

- **Maintenance & Inspection Program Status**

	Phase or Equivalent	Date	Aircraft TAT (Hrs)	Aircraft TAC (Cyc)
Next "C" Phase (or Equivalent)	C2	23.Nov.2024	46328:36	28884
Has a "C" Check (or Equivalent) occurred	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	23.Nov.2021	34328:36	20884
Time Remaining		345 days	5737:36	4761

	Phase or Equivalent	Date	Aircraft TAT (Hrs)	Aircraft TAC (Cyc)
Next "6Y or 12Y" Check (or Equivalent)	Equivalent	22.Nov.2027	N/A	N/A
Has a "6Y or 12Y" Check (or Equivalent) occurred	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	23.Nov.2021	N/A	N/A

D. ENGINES

- **Basic Engine Definition**

Engine Manufacturer	CFMI
Engine Type (i.e. CFM56, CF6)	CFM56-5B
Engine Model (i.e. -5A, -50C2)	-5B4/3
Thrust	27K
No. of Engines	2
Type of Maintenance Program	On Condition / Condition Monitoring
Overhaul Interval (if hard timed)	20000 FC

- **Engine Maintenance Status (as of 10-12-2023)**

	Pos.1	Pos.2
Serial Number		
General Status	SERVICEABLE	SERVICEABLE
Total Time Since New	37215	37438
Total Cycles Since New	21836	22771
Date of Installation	13-March-2022	09-July-2023
Total time at Installation	32068	36154
Total Cycles at Installation	19387	22128
LPC - Hours since Refurbishment	37215	37438
LPC - Cycles since Refurbishment	21836	22771

HPC - Hours since Refurbishment	13306	12671
HPC - Cycles since Refurbishment	7219	7085
Combustor - Hours since Refurbishment	13306	12671
Combustor - Cycles since Refurbishment	7219	7085
HPT- Hours since Inspection/Refurbishment	13306	12671
HPT - Cycles since Inspection/Refurbishment	7219	7085
LPT- Hours since Inspection/Refurbishment	13306	37438
LPT - Cycles since Inspection/Refurbishment	7219	22771
Gearbox- Hours since Refurbishment	37215	12671
Gearbox - Cycles since Refurbishment	21836	7085
Date of Last Shop Visit	18-Feb-2022	15-June-2023
Hours Since Last Shop Visit	13306	12671
Cycles Since Last Shop Visit	7219	7085
Last Repair Facility	Air France	Air France
Cause of Last Shop Visit	LPT S20	Repair
LLP with least Cycles remaining (e.g. T1 Disc)	LPT Disk Stg 1	LPT Disk Stg 1
Cycles Remaining to Limiting LLP	4700	2169
Last Borescope Date	XX-XX-2023	XX-XX-2023
Type of last Boroscope Inspection	Hot Section - Normal	Hot Section - Normal
EGT Margin at last Shop Visit Test (C)	24	16
Current EGT Margin (C)	21.57	14.25
EGT Margin degraation per 100 Hrs (C)	N/A	N/A
EGT Margin at Take Off (degree centigrade)	21.57	14.25

E. LANDING GEARS

- Landing Gear Maintenance Program

	Nose	LH	RH
LLP (first limiter)	As Per ALS		
LLP (first limiter) next due	As Per ALS		
Overhaul Interval (if hard timed)	120 MO / 20000 FC	120 MO / 20000 FC	120 MO / 20000 FC
Overhaul next due	May 2024	Feb 2030	Feb 2030
Part Number	D23757550-7	201582001-040	201582002-040
Serial Number			

F. APU

- Basic APU Definition

Manufacturer	Honeywell
Model	131-9[A]
Part Number	3800708-1

- APU Maintenance Program

Maintenance Program Type	On Condition
Overhaul Interval (if hard timed)	4800 APU hours
HSI Interval (if hard timed)	N/A
Serial Number currently installed	
Serial Number originally delivered	N/A
Current Location	N/A
Time Since New (currently installed)	32132
Cycles Since New (currently installed)	25912
Date of Installation (currently installed)	TBC
Time Since Overhaul (currently installed)	3516
Cycles Since Overhaul (currently installed)	4441
Date of Last Shop Visit (currently installed)	28-Jan-2022
Hours since last Shop Visit (currently installed)	3516
Cycles since last Shop Visit (currently installed)	4441
Last Repair Facility (currently installed)	Honeywell
Cause of last Shop Visit (currently installed)	HOT SECTION DETERIORATION
Workscope at last Shop visit (currently installed)	Refer to EDR (Medium)

G. FUEL CAPACITY – MAXIMUM USEABLE

	Useable Fuel			
	Volume		Weight	
	Liters	US Gallon	Kg	Lbs
Wing Tanks	15959 l	4216 US Gal	12767 kg	28148 lb
Center Tank	8250 l	2179 US Gal	6600 kg	14547 lb
Trim Tank	N/A	N/A	N/A	N/A
TOTAL	24209 l	6396 US Gal	19367 kg	42699 lb

H. CARGO CONFIGURATION

Area	Max Load (Kg)	Type
Forward Cargo Compartment	3,402	Bulk
Rear Cargo Compartment	4,536	Bulk
Bulk Cargo Compartment	1,497	Bulk

J. AVIONIC EQUIPMENT

Qty	Component	Manufacturer	Model/Part Number
22 Auto Flight			
2	FMGEC – Flight Management,	THALES	C13043AA06
3	MCDU-Multipurpose Control Display Unit	THALES	C19266DA01
1	FCU-Flight Control Unit	THALES	C12850BC02
	Predictive Windshear Activated	Yes No	
23 Communications			
2	HF Transceiver	COLLINS	822-0990-003
2	HF Coupler	COLLINS	822-0987-003

3	VHF Transceiver	COLLINS	822-1287-120
1	SDU-SATCOM Data Unit	COLLINS	822-1405-401
3	RMP-Radio Management Panel	THALES	C12848DA01
3	Audi Control Panel	COBHAM	ACP2788AE01
1	Flight Attendant Panel (FAP)	AIRBUS	Z133H052251D
1	ACARS Management Unit (if ATSU see Chapter 46)	AIRBUS	LA2T0G21006CA10
1	AMU- Audio Management Unit/SELCAL Decoder	COBHAM	AMU4031LA140204
2	CIDS Director – Cabin Intercommunication Data System	AIRBUS	Z014H000231B
1	Cockpit Voice Recorder	HONEYWELL	980-6022-001
27 Flight Control Computer			
2	ELAC-ELEVATOR AILERON COMPUTER	THALES	3945129100
3	SEC-SPOILER ELEVATOR COMPUTER	THALES	B372BAM0515
2	FCDC- Flight Control Data Concentrator	NORTHROP GRUMMANN	115370-1519
31 Indicating and Recording			
1	SSFDR- Solid State Flight Data Recorder	HONEYWELL	980-4700-042
1	FDIMU-FLIGHT DATA INTERFACE MANAGEMENT UNIT	TELEDYNE	2234320-01-01
2	FWC- Flight Warning Computers	AIRBUS	350E053022323
1	WQAR- Quick Access Recorder or Optical Disk Recorder	TELEDYNE	2243800-73
1	SELECTOR-DATA LOADING	SAFRAN ELECTRON	DLSA100
2	SDAC- System Data Acquisition Concentrators	AIRBUS	350E5500206
3	DMC- Display Management Computer	THALES	1982660116
6	DU-DISPLAY UNIT	THALES	C19298AF05
1	PRINTER	HONEYWELL	8055515-4501
1	ECAM Ctl Panel	AIRBUS	35-0L0-1002-05
34 Navigation			
3	ADIRU- Air Data/Inertial Reference System	HONEYWELL	HG2030BE03
2	DME- Distance Measuring Interrogators	COLLINS	822-0329-020
1	VHF VOR/ Marker Beacon Receiver	COLLINS	822-0297-020
2	MMR	COLLINS	822-1821-430
2	Radio Altimeter Transceiver	COLLINS	822-0334-020
1	Weather Rader Transceiver	COLLINS	822-1710-214
1	Wx Radar Ant Drive	COLLINS	622-5136-801
1	T2CAS- Traffic Alert and Collision Avoidance System Computer	AVIATION COMMUNICATION & SURVEILLANCE SYSTEMS	9000000-11414
1	ATC- Air Traffic Control System Transponder	AVIATION COMMUNICATION & SURVEILLANCE SYSTEMS	7517800-12402
1	ATC/TCAS Ctl Unit	THALES	C12404AB02
1	ADF- Automatic Direction Finder Receiver	COLLINS	822-0299-020
3	Pitot Probe	UTC AEROSPACE	0851HL
1	Stby Compass	SIRS NAVIGATION	PGA0105W