



中国民用航空局  
CIVIL AVIATION ADMINISTRATION OF CHINA (CAAC)

维修许可证  
MAINTENANCE ORGANIZATION CERTIFICATE

编号/No. F04400753

单位名称/NAME OF ORGANIZATION:

Ontic Engineering & Manufacturing (UK) Limited

单位地址/BUSINESS ADDRESS:

Cleeve Business Park, Bishops Cleeve Cheltenham Gloucestershire, GL 52 8TW, UK

经审查，该单位符合中国民用航空规章第 145 部的要求，可以从事如下类别的维修工作：

Upon finding that the organization complies with the requirements of **CHINA CIVIL AVIATION REGULATION(CCAR)** Part 145, the above organization is adequate to accomplish maintenance of the following ratings:

**Component Maintenance**

- ☆ -

本许可证除被放弃、暂停或吊销，在下述期限内将一直有效。

This certificate, unless cancelled, suspended, or revoked, shall continue in effect until:

2025-12-31

局长授权/FOR THE ADMINISTRATOR OF CAAC

签字/SIGNATURE:

XUE Shijun

职务/POSITION:

Deputy Director General of FSD

颁发日期/DATE ISSUED:

2017-06-01

再次颁发日期/DATE REISSUED:

2023-10-13





中国民用航空局  
CIVIL AVIATION ADMINISTRATION OF CHINA (CAAC)

## 许可维修项目

### LIMITATION OF MAINTENANCE ITEMS

**限定/LIMITATION:**

对第 F04400753 号许可证所列维修类别限定如下地点和项目:

Location and items set forth on Maintenance Organization Certificate No. F04400753  
is/are limited to the following:

**LOCATION: Cheltenham**

**Inspection, Repair and Modification of following Components:**

**Fuel (ATA-28): Limit to 2840 ACFT Fuel Indicating System; 2841 Fuel Quantity Indicator.**

**Landing Gear (ATA-32): Limit to 3231 Landing Gear Door Retract Section.**

**Navigation (ATA-34): Limit to 3442 Weather Radar System.**

**Air (ATA-75): Limit to 7530 Compressor Bleed Control.**

**Detail as listed in CAAC component maintenance capability list.**

- ☆ -

**局长授权/ FOR THE ADMINISTRATOR OF CAAC**

签字/SIGNATURE:

XUE Shijun

职务/POSITION:

Deputy Director General of FSD

颁发日期/DATE ISSUED:

2017-06-01

再次颁发日期/DATE REISSUED:

2023-10-13





**CAAC Capability List**

Rev. E  
May 4<sup>th</sup>, 2023

Item	Part Number	Description	JASC Code	ATA Chapter	OEM	Maintenance function	Technical Data	Major Equipment	Remark
1	0320KPU01	Fuel Qty Processor Unit	2840	28-47-65	Ontic	Inspection / Test, Repair, Modification	OEM CMM	0494KYY04 Pat Rig	Main Unit - B777
1	KPUA443	Power Hold Up Module	2840	28-47-65	Ontic	Inspection / Test, Repair, Modification	OEM CMM	0494KYY04 Pat Rig	Sub assembly
1	KPUA430	Power Hold Up Module	2840	28-47-65	Ontic	Inspection / Test, Repair, Modification	OEM CMM	0494KYY04 Pat Rig	Sub assembly
1	KPUA340	Current Limit Module	2840	28-47-65	Ontic	Inspection / Test, Repair, Modification	OEM CMM	0494KYY04 Pat Rig	Sub assembly
1	KPUA1802-1	Current Limit Module	2840	28-47-65	Ontic	Inspection / Test, Repair, Modification	OEM CMM	0494KYY04 Pat Rig	Sub assembly
1	KPUA452	Data Contractor Module	2840	28-47-65	Ontic	Inspection / Test, Repair, Modification	OEM CMM	0494KYY04 Pat Rig	Sub assembly
1	KPUA452-1	Data Contractor Module	2840	28-47-65	Ontic	Inspection / Test, Repair, Modification	OEM CMM	0494KYY04 Pat Rig	Sub assembly
1	KPUA475	Data Contractor Module	2840	28-47-65	Ontic	Inspection / Test, Repair, Modification	OEM CMM	0494KYY04 Pat Rig	Sub assembly
1	KPUA476	CPU Module	2840	28-47-65	Ontic	Inspection / Test, Repair, Modification	OEM CMM	0494KYY04 Pat Rig	Sub assembly
1	KPUA480	CPU Module	2840	28-47-65	Ontic	Inspection / Test, Repair, Modification	OEM CMM	0494KYY04 Pat Rig	Sub assembly
1	KPUA474	Arinc Module	2840	28-47-65	Ontic	Inspection / Test, Repair, Modification	OEM CMM	0494KYY04 Pat Rig	Sub assembly
1	KPUA481	Arinc Module	2840	28-47-65	Ontic	Inspection / Test, Repair, Modification	OEM CMM	0494KYY04 Pat Rig	Sub assembly
1	KPUA429AB	Data Concentrator Module	2840	28-47-65	Ontic	Inspection / Test, Repair, Modification	OEM CMM	0494KYY04 Pat Rig	Sub assembly
1	KPUA429BRS588	Data Concentrator Module	2840	28-47-65	Ontic	Inspection / Test, Repair, Modification	OEM CMM	0494KYY04 Pat Rig	Sub assembly



**CAAC Capability List**

Rev. E  
May 4<sup>th</sup>, 2023

Item	Part Number	Description	JASC Code	ATA Chapter	OEM	Maintenance function	Technical Data	Major Equipment	Remark
1	0320KPU01	ACFT Fuel Indicating System Fuel Qty Processor Unit	2840	28-47-65	Ontic	Inspection / Test, Repair, Modification	OEM CMM	0494KYY04 Pat Rig	Main Unit - B777
1	KPUA466	Buffer Board Assembly	2840	28-47-65	Ontic	Inspection / Test, Repair, Modification	OEM CMM	0494KYY04 Pat Rig	Sub assembly
1	KPUA472	Mother Board	2840	28-47-65	Ontic	Inspection / Test, Repair, Modification	OEM CMM	0494KYY04 Pat Rig	Sub assembly
2	0330KPU0* & 0335KPU0*	ACFT Fuel Indicating System Fuel Qty Processor Unit	JASC Code	28-47-69	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3329TE1 , 1P3329TE2	Main Unit - B777
2	KPU1761-**	Integrated Data Concentrator	2840	28-47-69	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3329TE1 , 1P3329TE2	Sub assembly
2	KPU1762-*	Integrated Data Comm Module	2840	28-47-69	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3329TE1 , 1P3329TE2	Sub assembly
2	KPU1810-1	Integrated Data Concentrator	2840	28-47-69	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3329TE1 , 1P3329TE2	Sub assembly
2	KPU1813-1	Integrated Data Comm Module	2840	28-47-69	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3329TE1 , 1P3329TE2	Sub assembly

**CAAC Capability List**

Rev. E  
May 4<sup>th</sup>, 2023

Item	Part Number	Description	JASC Code	ATA Chapter	OEM	Maintenance function	Technical Data	Major Equipment	Remark
3	1407KID-01-02 & 1412KID-01-02	Fuel Quantity Indicator	2841	28-42-22	Ontic	Inspection / Test, Repair, Modification	OEM CMM	ROTE684	Main Unit - A320
3	KIDA480	Microprocessor PCB (KG's)	2841	28-42-22	Ontic	Inspection / Test, Repair, Modification	OEM CMM	ROTE684	Sub assembly
3	KIDA480-1	Microprocessor PCB (KG's)	2841	28-42-22	Ontic	Inspection / Test, Repair, Modification	OEM CMM	ROTE684	Sub assembly
3	KIDA482	PSU PCB	2841	28-42-22	Ontic	Inspection / Test, Repair, Modification	OEM CMM	ROTE684	Sub assembly
3	KIDA473	Microprocessor PCB (LB's)	2841	28-42-22	Ontic	Inspection / Test, Repair, Modification	OEM CMM	ROTE684	Sub assembly
3	KIDA473-1	Microprocessor PCB (LB's)	2841	28-42-22	Ontic	Inspection / Test, Repair, Modification	OEM CMM	ROTE684	Sub assembly
4	1407KID-02-03 & 1412KID-02-03 & 1422KID-02-03 & 1423KID-02-03	Fuel Quantity Indicator	JASC CODE 2841	28-42-40	Ontic	Inspection / Test, Repair, Modification	OEM CMM	ROTE684	Main Unit - A320
5	6026-01	ACFT Fuel Indicating System Integrated Refuel Panel	JASC Code 2840	28-48-01	Ontic	Inspection / Test, Repair, Modification	OEM CMM	PS-TE0272	Main Unit - B777
6	6026-0*	ACFT Fuel Indicating System Integrated Refuel Panel	JASC Code 2840	28-48-06	Ontic	Inspection / Test, Repair, Modification	OEM CMM	TE69903-1, TE69880-1	Main Unit - B777



**CAAC Capability List**

Rev. E  
May 4<sup>th</sup>, 2023

Item	Part Number	Description	JASC Code	ATA Chapter	OEM	Maintenance function	Technical Data	Major Equipment	Remark
7	796815-01-02 & 798021-01-02	ACFT Fuel Indicating System Preselector	2840	28-42-39	Ontic	Inspection / Test, Repair, Modification	OEM CMM	ROTE684 (T02627)	Main Unit - A320
8	796815-02-03 & 798021-02-03	ACFT Fuel Indicating System Preselector	JASC Code 2840	28-42-45	Ontic	Inspection / Test, Repair, Modification	OEM CMM	ROTE684 (T02627)	Main Unit - A320





## CAAC Capability List

Rev. E  
May 4<sup>th</sup>, 2023

Item	Part Number	Description	JASC Code	ATA Chapter	OEM	Maintenance function	Technical Data	Major Equipment	Remark
9	SIC5059-04-0*0*	ACFT Fuel Qty Indicator System Computer	2840	28-42-34	Ontic	Inspection / Test, Repair, Modification	OEM CMM	PS-TE0501	Main Unit - A320
9	SICA229	CPU Module	2840	28-42-34	Ontic	Inspection / Test, Repair, Modification	OEM CMM	PS-TE0501	Sub assembly
9	SIC6734	CPU Module	2840	28-42-34	Ontic	Inspection / Test, Repair, Modification	OEM CMM	PS-TE0501	Sub assembly
9	SICA220	Card 5	2840	28-42-34	Ontic	Inspection / Test, Repair, Modification	OEM CMM	PS-TE0501	Sub assembly
9	SIC6699	Card 5	2840	28-42-34	Ontic	Inspection / Test, Repair, Modification	OEM CMM	PS-TE0501	Sub assembly
9	SICA232	PSU	2840	28-42-34	Ontic	Inspection / Test, Repair, Modification	OEM CMM	PS-TE0501	Sub assembly
9	SIC6737	PSU	2840	28-42-34	Ontic	Inspection / Test, Repair, Modification	OEM CMM	PS-TE0501	Sub assembly
9	SICA232-1	PSU	2840	28-42-34	Ontic	Inspection / Test, Repair, Modification	OEM CMM	PS-TE0501	Sub assembly
9	SIC6737-1	PSU	2840	28-42-34	Ontic	Inspection / Test, Repair, Modification	OEM CMM	PS-TE0501	Sub assembly
9	SICA232-2	PSU	2840	28-42-34	Ontic	Inspection / Test, Repair, Modification	OEM CMM	PS-TE0501	Sub assembly
9	SIC6737-2	PSU	2840	28-42-34	Ontic	Inspection / Test, Repair, Modification	OEM CMM	PS-TE0501	Sub assembly
9	SICA215	Rear Module	2840	28-42-34	Ontic	Inspection / Test, Repair, Modification	OEM CMM	PS-TE0501	Sub assembly
9	SIC6736	Rear Module	2840	28-42-34	Ontic	Inspection / Test, Repair, Modification	OEM CMM	PS-TE0501	Sub assembly
9	SICA285	Data Acquisition Board	2840	28-42-34	Ontic	Inspection / Test, Repair, Modification	OEM CMM	PS-TE0501	Sub assembly

**CAAC Capability List**

Rev. E  
May 4<sup>th</sup>, 2023

Item	Part Number	Description	JASC Code	ATA Chapter	OEM	Maintenance function	Technical Data	Major Equipment	Remark
10	SIC5059-11-0*0*	ACFT Fuel Qty Indicator System Computer	2840	28-42-36	Ontic	Inspection / Test, Repair, Modification	OEM CMM	PS-TE0501, 1P3307TE2	Main Unit - A320
10	SICA280	CPU Module	2840	28-42-36	Ontic	Inspection / Test, Repair, Modification	OEM CMM	PS-TE0501, 1P3307TE2	Sub assembly
10	SIC6765	CPU Module	2840	28-42-36	Ontic	Inspection / Test, Repair, Modification	OEM CMM	PS-TE0501, 1P3307TE2	Sub assembly
10	SICA280-1	CPU Module	2840	28-42-36	Ontic	Inspection / Test, Repair, Modification	OEM CMM	PS-TE0501, 1P3307TE2	Sub assembly
10	SIC6765-1	CPU Module	2840	28-42-36	Ontic	Inspection / Test, Repair, Modification	OEM CMM	PS-TE0501, 1P3307TE2	Sub assembly
10	SICA285	Data Acquisition	2840	28-42-36	Ontic	Inspection / Test, Repair, Modification	OEM CMM	PS-TE0501, 1P3307TE2	Sub assembly
10	SIC6869	Data Acquisition	2840	28-42-36	Ontic	Inspection / Test, Repair, Modification	OEM CMM	PS-TE0501, 1P3307TE2	Sub assembly
10	SICA281	Card 5	2840	28-42-36	Ontic	Inspection / Test, Repair, Modification	OEM CMM	PS-TE0501, 1P3307TE2	Sub assembly
10	SIC6770	Card 5	2840	28-42-36	Ontic	Inspection / Test, Repair, Modification	OEM CMM	PS-TE0501, 1P3307TE2	Sub assembly
10	SIC7029-1	PSU	2840	28-42-36	Ontic	Inspection / Test, Repair, Modification	OEM CMM	PS-TE0501, 1P3307TE2	Sub assembly
10	SICA282	Rear Module	2840	28-42-36	Ontic	Inspection / Test, Repair, Modification	OEM CMM	PS-TE0501, 1P3307TE2	Sub assembly
10	SIC6744	Rear Module	2840	28-42-36	Ontic	Inspection / Test, Repair, Modification	OEM CMM	PS-TE0501, 1P3307TE2	Sub assembly
10	SIC8103	Rear Module	2840	28-42-36	Ontic	Inspection / Test, Repair, Modification	OEM CMM	PS-TE0501, 1P3307TE2	Sub assembly



**CAAC Capability List**

Rev. E  
May 4<sup>th</sup>, 2023

Item	Part Number	Description	JASC Code	ATA Chapter	OEM	Maintenance function	Technical Data	Major Equipment	Remark
11	SIC5059-12-0308	ACFT Fuel Qty Indicator System Computer	2840	28-42-42	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3307TE2	Main Unit - A320
11	SICA302	CPU Module	2840	28-42-42	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3307TE2	Sub assembly
11	SIC6922	CPU Module	2840	28-42-42	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3307TE2	Sub assembly
11	SICA316	Data Acquisition	2840	28-42-42	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3307TE2	Sub assembly
11	SICA308-1	Card 5	2840	28-42-42	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3307TE2	Sub assembly
11	SIC6923-1	Card 5	2840	28-42-42	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3307TE2	Sub assembly
11	SICA277	PSU	2840	28-42-42	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3307TE2	Sub assembly
11	SIC6804	PSU	2840	28-42-42	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3307TE2	Sub assembly
11	SICA277-1	PSU	2840	28-42-42	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3307TE2	Sub assembly
11	SIC6804-1	PSU	2840	28-42-42	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3307TE2	Sub assembly
11	SICA305-1	Rear Module	2840	28-42-42	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3307TE2	Sub assembly
11	SIC6925	Rear Module	2840	28-42-42	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3307TE2	Sub assembly



CAAC Capability List

Rev. E  
May 4<sup>th</sup>, 2023

Item	Part Number	Description	JASC Code	ATA Chapter	OEM	Maintenance function	Technical Data	Major Equipment	Remark
12	SIC5059-1*-**	ACFT Fuel Qty Indicator System Computer	2840	28-42-68	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3307TE2	Main Unit - A320
12	SIC8107-4	CPU Module	2840	28-42-68	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3307TE2	Sub assembly
12	SIC8603-1	Double DA Card	2840	28-42-68	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3307TE2	Sub assembly
12	SIC8606-2	Rear Module	2840	28-42-68	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3307TE2	Sub assembly
12	SIC8107-5	CPU Module	2840	28-42-68	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3307TE2	Sub assembly
12	SIC8603-2	Double DA Card	2840	28-42-68	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3307TE2	Sub assembly
12	SIC8606-3	Rear Module	2840	28-42-68	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3307TE2	Sub assembly
12	SIC8112-2	Interconnect Module	2840	28-42-68	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3307TE2	Sub assembly

Item	Part Number	Description	JASC Code	ATA Chapter	OEM	Maintenance function	Technical Data	Major Equipment	Remark
13	C8E38-9	Bleed Valve Control Unit	7530	75-32-02	Ontic	Inspection / Test, Repair, <b>Modification</b>	OEM CMM	017-CE-TE-3000	Main Unit – RB211 (B757)
<b>13</b>	C8E38-11	Bleed Valve Control Unit	7530	75-32-02	Ontic	Inspection / Test, Repair, <b>Modification</b>	OEM CMM	017-CE-TE-3000	Main Unit – RB211 (B757)
<b>13</b>	C8E38-12	Bleed Valve Control Unit	7530	75-32-02	Ontic	Inspection / Test, Repair, <b>Modification</b>	OEM CMM	017-CE-TE-3000	Main Unit – RB211 (B757)
<b>13</b>	C8E38-15	Bleed Valve Control Unit	7530	75-32-02	Ontic	Inspection / Test, Repair, <b>Modification</b>	OEM CMM	017-CE-TE-3000	Main Unit – RB211 (B757)



## CAAC Capability List

Rev. E  
May 4<sup>th</sup>, 2023

Item	Part Number	Description	JASC Code	ATA Chapter	OEM	Maintenance function	Technical Data	Major Equipment	Remark
14	010MP0005	Maintainability Panel	3231	32-31-86	Ontic	Inspection / Test, Repair, Modification	OEM CMM	001-GS-TE-0040	Main Unit – A350
15	010SP0000	Steering Disconnect Panel	3231	32-31-87	Ontic	Inspection / Test, Repair, Modification	OEM CMM	001-GS-TE-0030	Main Unit – A350
16	066-50008-****	RTA-4B Receiver-Transmitter	3442	34-41-36 (1104A-3)	Ontic	Inspection / Test, Repair, Modification	OEM CMM	01-675-20	Main Unit – Various
17	2041220-****	Controller CON-4B	3442	34-41-12 (1104D)	Ontic	Inspection / Test, Repair, Modification	OEM CMM	2041593-0401	Main Unit – Various
17	2041223-****	Controller CON-4A	3442	34-41-12 (1104D)	Ontic	Inspection / Test, Repair, Modification	OEM CMM	2041593-0401	Main Unit – Various
<b>Total</b> 88									