



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:

2021-12-31

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:

2019-11-05





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## 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 ACFT Fuel Indicating System; Fuel Quantity Indicator;**

**Detail as listed in CAAC approved components 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:

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**CAAC Capability List**

Rev. B  
Nov 1<sup>st</sup>, 2019

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



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Rev. B  
Nov 1<sup>st</sup>, 2019

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1	0320KPU01	Fuel Qty Processor Unit	28-47-65	Ontic	Inspection / Test, Repair, Modification	OEM CMM	0494KYY04 Pat Rig	Main Unit - B777
1	KPUA466	Buffer Board Assembly	28-47-65	Ontic	Inspection / Test, Repair, Modification	OEM CMM	0494KYY04 Pat Rig	Sub assembly
1	KPUA472	Mother Board	28-47-65	Ontic	Inspection / Test, Repair, Modification	OEM CMM	0494KYY04 Pat Rig	Sub assembly

2	0330KPU0* & 0335KPU0*	Fuel Qty Processor Unit	28-47-69	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3329TE1 , 1P3329TE2	Main Unit - B777
2	KPU1761-**	Integrated Data Concentrator	28-47-69	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3329TE1 , 1P3329TE2	Sub assembly
2	KPU1762-*	Integrated Data Comm Module	28-47-69	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3329TE1 , 1P3329TE2	Sub assembly
2	KPU1810-1	Integrated Data Concentrator	28-47-69	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3329TE1 , 1P3329TE2	Sub assembly
2	KPU1813-1	Integrated Data Comm Module	28-47-69	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3329TE1 , 1P3329TE2	Sub assembly

**CAAC Capability List**

Rev. B  
Nov 1<sup>st</sup>, 2019

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



**CAAC Capability List**

Rev. B  
Nov 1<sup>st</sup>, 2019

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



## CAAC Capability List

Rev. B  
Nov 1<sup>st</sup>, 2019

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

**CAAC Capability List**

Rev. B  
Nov 1<sup>st</sup>, 2019

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





## CAAC Capability List

Rev. B  
Nov 1<sup>st</sup>, 2019

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

**CAAC Capability List**

Rev. B  
Nov 1<sup>st</sup>, 2019

Item	Part Number	Description	ATA Chapter	OEM	Maintenance function	Technical Data	Major Equipment	Remark
12	SIC5059-1*~**	Fuel Qty Indicator System Computer	28-42-68	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3307TE2	Main Unit - A320
12	SIC8107-4	CPU Module	28-42-68	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3307TE2	Sub assembly
12	SIC8603-1	Double DA Card	28-42-68	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3307TE2	Sub assembly
12	SIC8606-2	Rear Module	28-42-68	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3307TE2	Sub assembly
12	SIC8107-5	CPU Module	28-42-68	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3307TE2	Sub assembly
12	SIC8603-2	Double DA Card	28-42-68	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3307TE2	Sub assembly
12	SIC8606-3	Rear Module	28-42-68	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3307TE2	Sub assembly
12	SIC8112-2	Interconnect Module	28-42-68	Ontic	Inspection / Test, Repair, Modification	OEM CMM	1P3307TE2	Sub assembly
<b>Total</b>	<b>79</b>							