

CASL Spirits



A Joint Venture of



SPIRITS: Safety First · Positive Communication · Innovation · Resources Management ·
Improvement on Continuous Basis · Teamwork · Satisfaction of Customers

Newsletter Issue 1 March 2012



We provide Integrated MRO solutions.
Quality and Flexibility

Phone: +852 2261 2830 / 32 / 38

Fax: +852 2261 2388

Email: mkt@casl.com.hk

Address: China Aircraft Services Limited, Hangar and Workshop Complex,
81 South Perimeter Road, Hong Kong International Airport, Lantau, Hong Kong.

Introduction



Dear readers,

In Jan 2012, the Hong Kong International Airport (HKIA) announced that it has handled 53.9 million passengers and

333,760 aircraft movements in 2011, up 5.9 percent over 2010, a new record for both passenger trips and aircraft movements.

According to IATA, Asia Pacific continues to be one of the world's fastest growing market, it is forecasted to grow at an average of 4.7 percent a

year for the next 20 years. Further to that, Boeing forecasted that Asia Pacific will grow to 11,450 new aircraft by 2030.

Such breathtaking activity demands a growing capacity of aircraft maintenance operator to fulfill the handling of daily transits, A checks, C-checks, D-checks of the aircraft.

CASL's *mission* is to provide quality aircraft maintenance, cleaning, and GSE services to our clients. Our aim is to become one of the most preferred service providers in Asia Pacific.

As CASL continues to grow, we would like to enhance our *communications* and to build a *closer link* between CASL and her business

partners as well as company employees.

In 2012, we begin our *company newsletter*.

Published quarterly, this newsletter will provide an update on CASL's accomplishments in line and base maintenance, new capability developments, as well as our contribution to the community.

Lastly, we hope this 1st issue of the newsletter will give you a fresh look of CASL. We look forward to continue to service your fleet and grow our partnership with you.

Sincerely,

Angus Cheung

Angus Cheung – Chief Executive Officer
angus.cheung@casl.com.hk



CASL employs more than 1000 staffs with extensive experiences and wide range of capabilities. We are fully committed to providing the highest quality of services to our customers by focusing on technical development, customer care and continuous improvement.

China Aircraft Services Limited (CASL) is a joint venture among China National Aviation Corporation (Group) Limited (40%), Hutchison Whampoa (China) Limited (20%), United Airlines (20%) and China Airlines (20%).

CASL was founded in 1995 to provide aircraft line maintenance, cabin cleaning, and ground support equipment services at Hong Kong International Airport.

Air China, China Eastern Airlines, China Southern Airlines and Xiamen Airlines have representations in the company via CNACG's shareholding ownership of CASL.

Apart from operating in Hong Kong, CASL and China Eastern Airlines established a joint venture company - Shanghai Eastern Aircraft Maintenance Limited (SEAM) providing aircraft line maintenance and ground support equipment services at Shanghai Pudong International Airport since 2003.

CASL opened its aircraft maintenance hangar at Hong Kong International Airport in May 2009. CASL is capable of providing higher level of aircraft maintenance services to worldwide airline customers in both aircraft line maintenance and heavy maintenance

Our Customers:

- Air Busan
- Air China
- Air China Cargo
- Air France
- Air Hong Kong
- Air Macau
- Asiana Airlines
- AviaStar
- British Airways
- Cargolux Airlines
- China Airlines
- China Cargo Airlines
- China Eastern Airlines
- China Postal Airlines
- China Southern Airlines
- Delta Airlines
- Donghai Airlines
- Eastar Jet
- Egypt Air
- Federal Express
- Far East Air Transport
- Fly Guam
- Grandstar Cargo
- Hainan Airlines
- Hong Kong Airlines
- Hong Kong BAC
- Dragonair
- Hong Kong Express
- Japan Airlines
- Jeju Air
- Jet Aviation
- Jin Air
- JSC Siberia Airlines
- JuneYao Airlines
- Kartika Airlines
- KLM Royal Dutch Airlines
- K-Mile Air
- Lufthansa German Airlines
- Mandala Airlines
- Mandarin Airlines
- Mega Maldives Airlines
- MIAT Mongolian Airlines
- Nordic Cargo
- Orient Thai Airlines
- Shandong Airlines
- Shanghai Airlines
- Shenzhen Airlines
- Sichuan Airlines
- Tianjin Airlines
- Transaero Airlines
- United Airlines
- Virgin Atlantic Airways
- Xiamen Airlines
- Yangtze River Express



CASL Spirits is a quarterly newsletter for its customers, partners, and employees.

<http://www.casl.com.hk>

Advisory Board

Angus Cheung, CEO
Jack Li, GM, CCS
Patrick Li, GM, MO
Sunny So, GM, Finance

Editorial Board

Chief Editor : Ernest Tai
Chief Chinese Editor : Ricky Cheung
IT Support: Christy Chan

Editors: Candy Fung, Danny Lai, Jackie Mui, Johnny Wu, Keith Au Yeung, Matthew Chan, Michael Yeung, Pinky Lau, Peter Fung, Roye Chan, Vincent Fung, William Cheung, Wong Wing Chung

China Airlines 737-800 AV13 Check

Last year, CASL has completed the AV13 (the 13th annual check) for four China Airlines' 737-800.

To ensure its staffs are acquainted with the skills to perform the AV13 check, CASL sent a team of seven people to China Airlines HQ in Taipei city for 8 days, to observe and learn the AV13 check, and the workflow of the major maintenance tasks.

The tasks included removal of horizontal stabilizer and bearing change, flaps and spoilers cables change and rigging, avionics modifications inside engine pylon.

On the input date of the first 737-800, China Airlines sent a team of experts to monitor our progress and gave recommendations.

China Airlines was satisfied with our work performance.

China Airlines was confident in CASL and decided not to sent experts for the remaining three aircraft, and left it to CASL to handle the check independently.

The CASL team worked diligently and whole-heartedly.

At last, we completed all the maintenance tasks, flight tests, and delivered all four aircraft on time.

Through the China Airlines AV13 check, the CASL team has demonstrated professionalism in planning, execution, quality control and a strong team spirit for success.

The completion of the four China Airlines 737-800 aircraft AV13 check marked a major milestone in CASL, demonstrated our technical competence, and brought us a closer relationship with China Airlines.



Jejuair selects CASL for C-check



In December, 2011, Jeju Air awarded a heavy maintenance contract to CASL.

In this contract, CASL will perform C-check for Jeju Air's fleet. The scope of the contract includes routine inspection tasks, avionic rack modification, landing gear change, flap track assembly change, cabin refurbishment, corrosion inspection, structural inspection and repair, etc.

"CASL is fully prepared for Jeju Air, we look forward to a long-term partnership with Jeju Air." said Dr. Angus Cheung, CEO of CASL.

"Located at the heart of Asia, CASL offers quality, flexibility, and cost effective aircraft maintenance solution. We are looking forward to a successful partnership." Said Dr. Kim Jong Chul,

CEO of Jeju Air.

The first 737-800 arrived CASL on February 1, 2012. The aircraft was grounded in CASL Hangar for fourteen days for maintenance.

Jeju Air, a LCC based in Seoul, offers both domestic service in Korea and international service to Japan, Hong Kong, Philippines, Thailand, Vietnam, and China. It has a fleet of eight 737-800 aircraft and has plans to expand to twelve this year.

Air Macau A319 C-check

Last year, CASL performed 6C check for two Air Macau's A319.

The check took 12 days, including a major cabin refurbishment task.

The scope of cabin refurbishment included carpet change, tedlar change, re-painting of cabin sidewalls and overhead cabinets, and removal of seats, toilets, galley, and floors

for corrosion inspection.

Other major EOs include 80VU rack modification for reinforcement, NDT inspection on Wing and Control surfaces, removal of engine thrust reverser cowls for modification, inboard flap sliding panel replacement, and engine change.

The check was completed successfully and on time.



C-checks performed

Aircraft Type	No. of C-check performed
Airbus A320	4
Boeing B737NG	7

On-Time Re-delivery : 100%

* Figures from Hangar opening to Mar 2012

AOG – 747-400 Air Turn back Aileron Control Wheel defect

On January 12 2012, a 747-400 flight was returned to HKG after flying for three hours. Captain reported the EICAS warning message on maintenance page - aileron control wheel jammed at 29.4 units. They contacted their airline Control Center who suggested them to return to HKG.

During the time it took off from HKG, that defect did not produce any warning message or warning light/bell to the cockpit crew. The pilot was not aware of the defect until they accidentally pressed the maintenance page for checking during the flight.

Since the defect was not outside the MEL, they decided to return for safety reason.

After returned to HKG, CASL did a detail inspection on the control wheel position transmitter and suspected a faulty component.

After further checking by removing the transmitter, CASL found the transmitter coupling was cracked.

In the absence of spares in HKG, CASL decided to call AOG for this part.

Both the transmitter and coupling were shipped to HKG by a flight from customer main base on January 14 2012. After both defective parts were replaced, the control wheel indication was back to normal and aircraft was returned to service. Right photo showed the cracked coupling.



Jin Air selects CASL for Ramp Support Services



CASL is selected by Jin Air to provide Ramp Support Handling, Ground Support Equipment, and Cabin Cleaning Services at the Hong Kong International Airport.

On October 30 2011, Jin Air had its first light from Incheon to Hong Kong. The airline has five flights to Hong Kong per week.

S7 Airlines selects CASL for Line Maintenance and Ramp Support services



CASL is selected by S7 Airlines as the service provider for Technical Handling, Ground Support Equipment, and Cabin Cleaning Services at the Hong Kong International Airport.

S7 Airlines had its first flight from Vladivostok to Hong Kong on November 2 2011. The airline has two flights to Hong Kong per week.

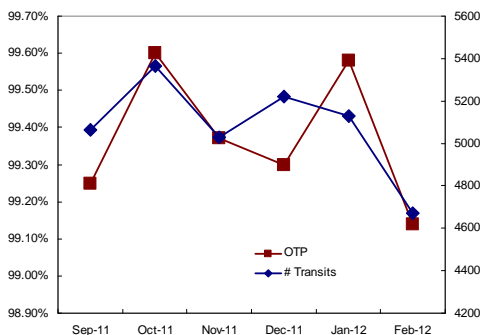
Far East Air Transport selects CASL for Ramp Support Services



CASL is selected by FAT to provide Ramp Support Handling, Ground Support Equipment, and Cabin Cleaning Services at the Hong Kong International Airport.

On April 1 2012, FAT had its first light from Magong Airport, Taiwan, to Hong Kong. The airline has daily flight to Hong Kong.

On-Time Performance



CASL line maintenance maintained an OTP of >99.1% in the last 6 months.



야망. 팀워크.

Ambitious. Teamwork.

CASL completed
Jeju Air 737-800 2C Check.



CASL CEO named President of Hong Kong Aviation Industry Association (HKAIA)



On September 23 2011, CEO of CASL, Dr. Angus Cheung, was named the president of Hong Kong Aviation Industry Association.

The Hong Kong Aviation Industry Association (HKAIA) was established on August 29 2006 to better promote the development and enhance the competitiveness of Hong Kong's aviation industry. The HKAIA consists of four branches: Manufacturing, Service and Maintenance, Professional and Quality System, and Investment and Trading.

HKAIA assists Hong Kong industrialists who are interested in aviation components, devices and services to

explore and diversify into aviation businesses and to develop a close network and collaboration with Mainland China, overseas aviation industries and related organizations.

HKAIA's Objectives are:

- ➔ To formulate short and long term strategies and action plans to expand Hong Kong's business into aircraft parts manufacturing;
- ➔ To promote business and technical co-operation with potential partners in Mainland China and overseas;

- ➔ To develop close network and relationship with the aviation industries in Mainland China and overseas;
- ➔ To conduct market research and establish information database related to aviation business;
- ➔ To foster the communication, interaction and co-operation among members and to establish liaison with and convey the collective opinions to government bodies, industrial or trade organizations;
- ➔ To serve the interest, build up the reputation and promote the image and capabilities of Hong

- ➔ To assist in upgrading the technology, engineering and management skills of the industry so as to improve its performance and enhance its competitiveness in the international market.

Dr. Angus Cheung is the second President since HKAIA's establishment. The first and founding President was Dr. Jackson Ho.

HKAIA's committee members include representatives from key airlines, service providers, and manufacturers in the Hong Kong aviation industry.

Who we are, What we do.



TH Ho
Licensed Engineer,
31 years
maintenance
experience

KW Chan
Licensed Engineer,
19 years
maintenance
experience

Interview with Ka-Wai Chan

1. What does your role involve?

I serve as riding engineer for Cathay Pacific and Dragonair. I perform A-checks and C-checks for Air Macau A320.

2. What is your training and background?

I started my career in aircraft maintenance since 1992. I was an aircraft engineering apprentice for 4 years. Then I went to UK to study. I got my degree in Mechanical Engineering from the University of Manchester. I joined CASL in 1998. I have FAA, HKAR66 license and type approval in A320 and B777.

3. What do you like best about your job?

The best part is you can go to many countries and meet many different people.

4. What is the most challenging part of your job?

In a remote station, I need to make phone calls to main base, look up manuals in the computer, and get spare part delivered to the remote station

5. What is your favorite aircraft?

A320...because its fly-by-wire system makes defect rectification simpler than traditional airplanes that are mechanical based

6. Is there an unforgettable maintenance event?

It was a hydraulic pump problem in year 2007. The trouble-shooting took 8 hours and finally the flight departed on time.

7. What do you do in your own time?

I like to watch movie and listen to music. I am a Hi-Fi enthusiast.

Interview with Tai-Hong Ho

1. What does your role involve?

I perform checks, rectify defects, and certify the aircraft is safe to fly.

2. What is your training and background?

I started my career in aircraft maintenance since 1980. At that time, I was a apprentice. Now I am an engineer with FAA, HKAR66, CCAR66 license, and type approval in A320 series, A330, A340-200/300, A340-600, B747-400. I acquired my training in various aircraft maintenance institutes in Europe and US.

3. What do you like best about your job?

I like to travel, meet people in different countries. I enjoy the opportunity to sit inside the cockpit to watch the airplane take off.

4. What is the most challenging part of your job?

To cope with unexpected changes in aircraft schedule, and resolving problems in a remote city.

There was once I had to ride a Cathay Pacific 747 to Darka, India. The local environment was tough to deal with. I spent a lot of time to borrow equipment.

5. What is your favorite aircraft?

A320... because many op tests can be performed in the cockpit. It offsets my workload when I need to do pre-flight check and fueling in the short transit time

6. Is there an unforgettable maintenance event?

The first time I did the detail inspection for a B747-400. The aircraft had experienced severe turbulence. I just got my license at that time. The inspection required to open up fairing and inspect if there were any damages to the structure. Only 2 days ground time was available, I completed it on time.

7. What do you do in your own time?

I like fishing in Sai-Kung and going to beaches.

Expeditionary visit to China Southern A380



For better preparation of China Southern Airlines's inauguration flight between Beijing and Hong Kong on 2nd March, CASL staff attended a training organized by China Southern at their operation base in Guangzhou.

On February 8 2012, a group of four CASL staff formed from various departments headed to Guangzhou in the morning to catch the "Huge Beluga" during its transit at Baiyun Airport.

Although it is not new to CASL staff, this was the first time that our people were so close to this giant bird.

CASL is honored to be greeted by the representative of China Southern Airlines, Mr. Zhao Kai, who took us to the ramp and explained to us the requirements of the transit and servicing in detail.

It was a significant trip of acknowledgement of the aircraft before China Southern commences its A380 service to Hong Kong.

CASL will provide line maintenance, ground support services & cabin services to the A380, marking a milestone of closer business relationship with China Southern.

Maintenance Approvals – HKAR 145



In this 1st issue of the CASL newsletter, we would like to present maintenance approvals we have attained over the years.

Firstly is the local regulatory authority – HKCAD.

Aircraft class has A1 rating for aeroplanes above 5700 kg, these include 17 aircraft types for Line Maintenance and 2 aircraft types for both Line and Base Maintenance.

Component class has 7 ratings. This gives more flexibility by allowing a damaged part to be repaired after the prompt replacement by new spare to avoid possible delay. Battery maintenance is exclusively rated for all extensive works in accordance with CMM.

With the acceptance under the Joint Maintenance Management (JMM) arrangement, CASL can provide the same scope of maintenance services as approved by HKCAD to all operators regulated by CAAC and AACM.

In addition, under the Technical Arrangement between the Civil Aviation Authority of Singapore (CAAS) and the HKCAD, CASL is an accepted maintenance organization to provide maintenance services as approved by HKCAD to all operators regulated by CAAS.

CASL Awarded for Environmental Excellence

Since 2009, CASL has fulfilled the requirements for "Class of Good" Wastewi\$e Label of the Hong Kong Awards for Environmental Excellence (HKAEE).

Organized by the Environmental Campaign Committee (ECC), HKAEE aims to encourage businesses and organizations to adopt green management, by presenting an opportunity for corporations to benchmark their effort in environmental protection.

"CASL wis pleased to receive this award and will continue our effort in environmental protection" said Michael Yeung, Head of Facility Management in CASL."

In addition to its participation in HKAEE's program, CASL also participates in the Carbon Reduction programme of the Hong Kong International Airport and contributes to its objective to be The World's Best and Greenest Airport.





慶祝中飛連續按時完成四架中華航空B738飛機大修工作
Successful On-time Completion of Four Consecutive B737-800 AV Checks for China Airlines

承諾. 顧客服務至上.

Commitment. Customer First.

**CASL completed
China Airlines 737-800 AV13 Check.**



Walk with the Community



Staff from various departments gathered for “Ngong Ping Charity Walk” hosted by Hong Kong Youth Hostels Association (HKYHA) and Ngong Ping 360 on 8th January 2012. This event aims to promote conservation and raise funds for the operation of HKYHA, a non-profit making organization independent from government subsidy.

Merry Christmas to CASL



It is the tradition of CASL to celebrate Christmas with all staff and shareholder representatives every year. Last Christmas, we shared a joyful evening at Regal Airport Hotel with dinner buffet, funny clown show, karaoke and excited lucky draw.

CASL participated LTS Soccer cup 2011



Hosted by Lufthansa Technik Shenzhen (LTS), CASL Soccer Team participated the LTS Soccer Cup 2011 on 29th October 2011 at Shenzhen Airport. CASL Team played against twelve competitive teams and finally got the 4th place.

Re-opening of Cabin Mock-up & 2nd Hand Book Fair



With full support from our BM Support Shops, the old cabin mock-up located at Hong Kong Sheng Kung Hui Tung Chung Integrated Services has a new face. Together with the re-opening ceremony of the cabin mock-up, CASL also co-organized a 2nd hand book fair with Sheng Kung Hui on the same day (3rd September 2011). CASL collected hundreds of left behind books from flights and donated to Sheng Kung Hui. These books were sold at an attractive price for charity purpose as well as encouraging reading culture in Tung Chung community.

Contact Directory

Commercial and Customer Support



General Manager

Jack Li

jack.li@casl.com.hk

Phone: +852 2261 2838



Business Development Manager

Ernest Tai

ernest.tai@casl.com.hk

Phone: +852 2261 2832



Assistant Customer Account Manager

Candice Wong

candice.wong@casl.com.hk

Phone: +852 2261 2830

Maintenance Operations

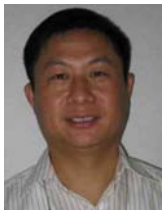


General Manager

Patrick Li

patrick.li@casl.com.hk

Phone: +852 2261 2268



Operation Manager (LM)

Danny Lai

danny.lai@casl.com.hk

Phone: +852 2261 2356



Operation Manager (BM)

Richard Huang

richard.huang@casl.com.hk

Phone: +852 2261 2326

Ground Services Equipment



GSE Manager

Peter Fung

peter.fung@casl.com.hk

Phone: +852 2261 2258

Cabin Services



Operation Manager

Johnny Wu

johnny.wu@casl.com.hk

Phone: +852 2261 2238

Supply and Stores



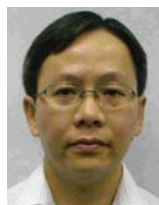
Supply & Stores Manager

Ricky Cheung

ricky.cheung@casl.com.hk

Phone: 852 2261 2278

Quality Assurance



Assistant General Manager

Vincent Fung

vincent.fung@casl.com.hk

Phone: 852 2261 2218

Training



Training & Development Manager

Keith Au-Yeung

keith.auyeung@casl.com.hk

Phone: +852 2261 2898

Human Resource



Manager, Human Resource

Stella Chan

stella.chan@casl.com.hk

Phone: +852 2261 2868

MCC Hotline: +852 2261 2261

Mobile: +852 9768 9696

Email: mo@casl.com.hk

24 x 7 Operation Support



Aircraft Maintenance Capability

Aircraft Type	Line	Base
B737-300/400/500	→	
B737-600/700/800/900	→	→
B747-200/300	→	
B747-400	→	
B757	→	
B767-200/300	→	
B777-200/300	→	
A300-600	→	
A319/A320/A321	→	→
A330	→	
A340-200/300	→	
A340-500/600	→	
MD11/MD82/MD90	→	
ERJ145/ERJ190	→	

Support Shop Capability

Sheet Metal	NDT	Battery Overhaul
Heat Treatment	Part Painting	Cabin Interior
Composite Repair	Electrical/Electronic Testing	

Approvals

HKAR145 AI/101/798	CAA-RS-015
JMM057	ROK 2010-AMO F01
FAR 145 VZFY534Y	HKAR147 AT/146/0410
EASA.145.0037	

Address

China Aircraft Services Limited, Hangar and Workshop Complex,
 81 South Perimeter Road, Hong Kong International Airport, Lantau, Hong Kong.