



CAAS, SIA take steps to reduce carbon emissions

08:25 PM May 16, 2011

The Civil Aviation Authority of Singapore (CAAS) and Singapore Airlines (SIA) are taking further steps to reduce the carbon footprint of flights.

In a joint statement on Monday, both entities said a non-stop flight from Los Angeles to Singapore would employ enhanced air traffic management operational procedures to reduce fuel burn and carbon emissions. This green initiative comes under the Asia and Pacific Initiative to Reduce Emissions partnership, which looks at launching 'green' flights across the region.

Specifically, it targets pairs of airports throughout the Asia-Pacific region, one of the fastest growing aviation markets in the world. The first such 'city pair' flight was launched between Auckland and San Francisco on Feb 21.

SIA Senior Vice-President for Flight Operations, Mr Gerard Yeap, said SIA would be monitoring the flight closely to track the fuel and emission savings. It expects to reduce fuel burn by 2 tonnes and achieve carbon emission savings of around 6.3 tonnes for each Los Angeles-Singapore sector, he added.

URL <http://www.todayonline.com/Business/EDC110516-0000819/CAAS,-SIA-take-steps-to-reduce-carbon-emissions>

Copyright 2011 MediaCorp Pte Ltd | All Rights Reserved

Print

Business Times - 17 May 2011

SIA to launch 'green' flights to US

By TAM YU LING

THE Civil Aviation Authority of Singapore (CAAS) and Singapore Airlines (SIA) are working with their aviation counterparts in the United States and the Philippines to launch regular 'green' flights from Los Angeles to Singapore.

SIA's SQ37 which flew on May 16 employed green practices during its flight so as to reduce greenhouse gas emissions and fuel burn.

Using the User-Preferred Route system, pilots in that flight changed air routes to suit weather conditions and reduce fuel burn.

The SQ37 also used Time-Based Arrivals Management which saw its engine being set to idle mode during the plane's descent to lower fuel usage.

As a result of the flight procedures being put in place, flight times are reduced and this will ultimately benefit passengers on such flights.

SIA's senior vice-president of flight operations, Captain Gerald Yeap, said: 'We expect to reduce fuel burn by 2 tonnes and achieve carbon emission savings of around 6.3 tonnes for each Los Angeles-Singapore sector.'

The CAAS was included as a member of the Asia and Pacific Initiative to Reduce Emissions (Aspire) in 2010 and the environmentally friendly flight comes under the 'Aspire-Daily City Pair' programme which aims to deliver green practices for airports in the Asia-Pacific.

Besides SIA, Aspire is also working closely with other airlines in the region. Such airline partners include Air New Zealand, Qantas, United Airlines and Japan Airlines.

Copyright © 2010 Singapore Press Holdings Ltd. All rights reserved.



CAAS AND SIA TAKE FURTHER STEPS TO REDUCE CARBON FOOTPRINT OF FLIGHTS

Source: CAAS & Singapore Airlines

16/05/2011

The Asia and Pacific Initiative to Reduce Emissions (ASPIRE) partnership¹ is launching regular 'green' flights across Asia and the Pacific. These come under the 'ASPIRE-Daily City Pair' programme, which aims to deliver gate-to-gate environmental best practices for pairs of airports throughout the Asia Pacific, one of the fastest growing aviation markets in the world. The first daily 'city pair' flight was launched between Auckland and San Francisco on 21 February 2011. More of such 'city pair' flights will be implemented over the next few months by ASPIRE partners.

On 16 May 2011, the Civil Aviation Authority of Singapore (CAAS) and Singapore Airlines (SIA), working together with the United States Federal Aviation Administration and the Civil Aviation Authority of the Philippines, are launching the second regular 'city pair' - Los Angeles (LAX) to Singapore (SIN) - flight. SIA flight SQ37, which operates non-stop from Los Angeles to Singapore, will employ enhanced gate-to-gate air traffic management operational procedures to reduce fuel burn and carbon emissions in all phases of the flight.

Mr Yap Ong Heng, Director-General of CAAS, said, "CAAS aims to actively contribute to reducing aviation's environmental footprint where we can. Hence, our participation in the 'ASPIRE-Daily City Pair' programme, with the launch of the LAX-SIN 'city-pair' with SIA. This will clearly demonstrate how collaboration among ASPIRE partners, airlines and other Air Navigation Service Providers in employing best practices and technologies in air traffic management can achieve significant reductions in fuel consumption and carbon emissions for flights."

The following air traffic management best practices, which significantly reduce fuel burn and carbon emissions, will be utilised for the LAX-SIN 'green' flight:

'User-Preferred Routes', 'Dynamic Airborne Reroute Procedures' and '30/30 Reduced Oceanic Separation', which allow pilots to take full advantage of atmospheric conditions, such as prevailing winds, to reduce separation between aircraft and shorten flight time;

'Time-Based Arrivals Management' and 'Arrivals Optimisation' which allow aircraft to fly with engines set at idle mode in continuous descent from a high altitude during the landing phase of the flight, thus reducing fuel burn.

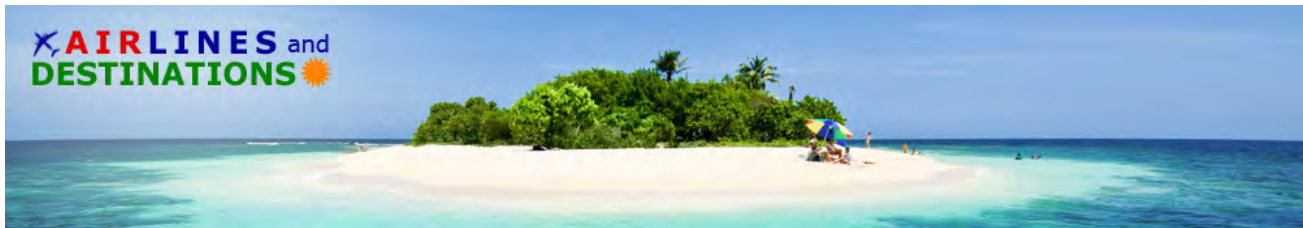
"We are pleased to be able to implement these flight procedures on a regular basis, and see this as yet another step towards greener skies. We will be monitoring the flight closely to track the fuel and emission savings, but we expect to reduce fuel burn by 2 tonnes and achieve carbon emission savings of around 6.3 tonnes for each Los Angeles-Singapore sector," says Singapore Airlines' Senior Vice-President Flight Operations Gerard Yeap.

Each 'ASPIRE-Daily City Pair' is star-rated based on the number of best practice procedures employed, with three stars representing the minimum required and five stars indicating that all identified best practices



© AirTransportNews
® all rights reserved

- [Home](#)
- [About](#)
- [Fare Sales](#)
- [Hotel Deals](#)
- [Images](#)
- [Subscribe](#)



SIA Begins Daily 'Green' Flights between Los Angeles and Singapore

by Staff on May 16, 2011



Subscribe via [RSS](#) or [email](#) for future updates.



You were searching for "[aspire daily](#)". See posts relating to your search »

The Civil Aviation Authority of Singapore (CAAS) and Singapore Airlines (SIA), working with the Federal Aviation Administration and the Civil Aviation Authority of the Philippines, launch daily 'green' flights on the Los Angeles-Singapore route on May 16.

[Singapore Airlines'](#) flight SQ37, which the airline operates non-stop from Los Angeles to Singapore using Airbus A340-500s, will employ enhanced air traffic management operational procedures gate-to-gate between Los Angeles International Airport (LAX) and Singapore's Changi International Airport (SIN), in order to reduce fuel burn and carbon emissions in all phases of the flight.

The flights are being organized and handled by the Asia and Pacific Initiative to Reduce Emissions (ASPIRE) partnership. The partners in ASPIRE are Airways New Zealand, the [Federal Aviation Administration](#), Airservices Australia, the Japan Civil Aviation Bureau and the Civil Aviation Authority of Singapore.

Los Angeles-Singapore is the second regular 'city pair' under the 'ASPIRE-Daily City Pair' program, which aims to deliver gate-to-gate environmental best practices for flights between pairs of airports throughout Asia and the Pacific, which have some of the fastest-growing aviation markets in the world. The first daily 'city pair' flight was launched between Auckland and San Francisco on February 21.

More green city-pair flights will be added over the next few months by ASPIRE partners.



Singapore Airlines has an extensive long-haul fleet. Among the many aircraft in the fleet are five Airbus A340-500s, which the airline has configured in all-business-class configuration. Each of the A340-500s has just 100 seats and they fly some of the longest routes in the world, including the well-known Newark-Singapore non-stop flight which takes about 19 hours. Another non-stop operated by SIA's A340-500s is flight SQ37 between Los Angeles and Singapore, which became a 'green' flight – which uses advanced air traffic management operational procedures to save fuel – on May 16, 2011

"CAAS aims to actively contribute to reducing aviation's environmental footprint where we can. Hence, our participation in the 'ASPIRE-Daily City Pair' programme, with the launch of the LAX-SIN 'city-pair' with SIA," says Yap Ong Heng, director-general of CAAS. "This will clearly demonstrate how collaboration among ASPIRE partners, airlines and other air navigation service providers in employing best practices and technologies in air traffic management can achieve significant reductions in fuel consumption and carbon emissions for flights."

The LAX-SIN 'green' flight will use the following air traffic management best practices to reduce fuel burn and carbon emissions significantly:

- User-Preferred Routes, Dynamic Airborne Reroute Procedures and 30/30 Reduced Oceanic Separation, all of which allow pilots to take full advantage of atmospheric conditions, such as prevailing winds, to reduce separation between aircraft and shorten flight time; and
- Time-Based Arrivals Management and Arrivals Optimisation, which allow aircraft to fly with engines set at idle mode in continuous descent from a high altitude during the landing phase of the flight, thus reducing fuel burn.

"We are pleased to be able to implement these flight procedures on a regular basis, and see this as yet another step towards greener skies," says Gerard Yeap, Singapore Airlines' senior vice-president flight operations. "We will be monitoring the flight closely to track the fuel and emission savings, but we expect to reduce fuel burn by 2 tonnes and achieve carbon emission savings of around 6.3 tonnes for each Los Angeles-Singapore sector."

Each ASPIRE-Daily City Pair is rated based on the number of best-practice procedures employed, with three stars representing the minimum required and five stars indicating that all identified best practices are employed. The LAX-SIN city pair is assigned a four-star rating.

Share and Enjoy:

Related Articles:

- [Singapore Airlines Provides New Date for Los Angeles A380 Service](#)
- [Singapore Airlines to Fly A380s to Los Angeles from March](#)
- [SIA and Garuda Indonesia Agree to Codeshare on Singapore-Bali Flights](#)
- [Singapore Airlines to Increase Service to Los Angeles and Houston](#)
- [SIA to Increase Singapore-Munich-Manchester Service to a Daily Flight](#)

Tagged as: [air traffic management](#), [Airbus A340-500](#), [Asia and Pacific Initiative to Reduce Emissions](#), [ASPIRE](#), [ASPIRE-Daily City Pair](#), [CAAS](#), [Civil Aviation Authority of Singapore](#), [Civil Aviation Authority of the Philippines](#), [FAA](#), [Federal Aviation Administration](#), [green flights](#), [LAX](#), [Los Angeles International Airport](#), [SIA](#), [SIN](#), [Singapore Airlines](#), [Singapore Changi International Airport](#)

Leave a Comment

Name *

E-mail *

Website



Previous post: [Five-Star Corinthia Opens as London's Latest Luxury Hotel](#)

Next post: [Vision Airlines Starts Offering Connections at Northwest Florida Regional Airport](#)

Hiking in Western Maine's Blue Mountains

more

ASIA Travel Tips.com

(<http://www.asiatraveltips.com>)

Latest Travel News

This is the *printer-friendly* version of the page you were viewing.

The original page can be seen at :

<http://www.asiatraveltips.com/news11/175-Aspire.shtml>

Greener Flights from Los Angeles to Singapore Launched

[Search ASIA Travel Tips .com](#)

[Send to Friend](#)

[ASIA Travel Tips.com](#)

[Latest Travel News](#)

Tuesday, 17 May 2011

The Asia and Pacific Initiative to Reduce Emissions (ASPIRE) partnership is launching regular 'green' flights across Asia and the Pacific.

The flights come under the 'ASPIRE-Daily City Pair' programme, which aims to deliver gate-to-gate environmental best practices for pairs of airports throughout Asia Pacific, one of the fastest growing aviation markets in the world. The first daily 'city pair' flight was launched between Auckland and San Francisco on 21 February 2011. More of such 'city pair' flights are expected to be implemented over the next few months by ASPIRE partners.

On 16 May 2011, the Civil Aviation Authority of Singapore (CAAS) and Singapore Airlines (SIA), working together with the United States Federal Aviation Administration and the Civil Aviation Authority of the Philippines, launched the second regular 'city pair' - Los Angeles (LAX) to Singapore (SIN) - flight.

SIA flight SQ37, which operates non-stop from Los Angeles to Singapore, is employing enhanced gate-to-gate air traffic management operational procedures to reduce fuel burn and carbon emissions in all phases of the flight.

Mr Yap Ong Heng, Director-General of CAAS, said, "CAAS aims to actively contribute to reducing aviation's environmental footprint where we can. Hence, our participation in the 'ASPIRE-Daily City Pair' programme, with the launch of the LAX-SIN 'city-pair' with SIA. This will clearly demonstrate how collaboration among ASPIRE partners, airlines and other Air Navigation Service Providers in employing best practices and technologies in air traffic management can achieve significant reductions in fuel consumption and carbon emissions for flights."

The following air traffic management best practices, which significantly reduce fuel burn and carbon emissions, will be utilised for the LAX-SIN 'green' flight:

- 'User-Preferred Routes', 'Dynamic Airborne Reroute Procedures' and '30/30 Reduced Oceanic Separation', which allow pilots to take full advantage of atmospheric conditions, such as prevailing winds, to reduce separation between aircraft and shorten flight time;

- 'Time-Based Arrivals Management' and 'Arrivals Optimisation' which allow aircraft to fly with engines set at idle mode in continuous descent from a high altitude during the landing phase of the flight, thus reducing fuel burn.

“We are pleased to be able to implement these flight procedures on a regular basis, and see this as yet another step towards greener skies. We will be monitoring the flight closely to track the fuel and emission savings, but we expect to reduce fuel burn by 2 tonnes and achieve carbon emission savings of around 6.3 tonnes for each Los Angeles-Singapore sector,” said Singapore Airlines’ Senior Vice-President Flight Operations Gerard Yeap.

Each 'ASPIRE-Daily City Pair' is star-rated based on the number of best practice procedures employed, with three stars representing the minimum required and five stars indicating that all identified best practices are employed. The LAX-SIN 'city pair' is assigned a 4-star rating.

See other recent news regarding: [Airlines](#), [Airports](#), [Awards](#), [Flights](#), [Codeshare](#), [FFP](#), [Inflight](#), [Lounges](#), [First Class](#), [Business Class](#), [MICE](#), [GDS](#), [Rewards](#), [Miles](#), [Hotels](#), [Apartments](#), [Promotions](#), [Spas](#), [Yoga](#), [Retreat](#), [New Hotels](#), [Traffic](#), [Visitor Arrivals](#), [Cruises](#), [Free Deals](#), [Interviews](#), [Videos](#), [Singapore](#), [Singapore Airlines](#), [Changi](#), [Los Angeles](#)

- [Home](#)
- [About](#)



BY AVIATIONNEWSDAILY.COM

- [Home](#)
- [Airbus](#)
- [Airlines](#)

- [Boeing](#)
- [Military](#)
- [Other Airplane Makers](#)
- [Space Shuttle](#)

• Follow us on Facebook!



Request Blocl

Your request to URL "http://126width=200%26connection blocked by the Webwasher U which are not allowed by you it: Neutral.

generated 18/

• Recent News Items

- [Black box data from Air France crash 'intact'](#)
- [Jet delayed two hours after 'going to go down' remark](#)
- [Terror aboard stricken airliner as it heads back with engine ablaze](#)
- [Woman, mother told by Southwest Airlines they are too fat to fly](#)
- [SIA Begins Daily 'Green' Flights between Los Angeles and Singapore](#)

• Archives

Select Month



SIA Begins Daily 'Green' Flights between Los Angeles and Singapore

May 16th, 2011 admin



Share



Singapore Airlines has an extensive long-haul fleet. Among the many aircraft in the fleet are five Airbus A340-500s, which the airline has configured in all-

business-class configuration.

The Civil Aviation Authority of Singapore (CAAS) and Singapore Airlines (SIA), working with the Federal Aviation Administration and the Civil Aviation Authority of the Philippines, launch daily 'green' flights on the Los Angeles-Singapore route on May 16.

Singapore Airlines' flight SQ37, which the airline operates non-stop from Los Angeles to Singapore using Airbus A340-500s, will employ enhanced air traffic management operational procedures gate-to-gate between Los Angeles International Airport (LAX) and Singapore's Changi International Airport (SIN), in order to reduce fuel burn and carbon emissions in all phases of the flight.

The flights are being organized and handled by the Asia and Pacific Initiative to Reduce Emissions (ASPIRE) partnership. The partners in ASPIRE are Airways New Zealand, the Federal Aviation Administration, Airservices Australia, the Japan Civil Aviation Bureau and the Civil Aviation Authority of Singapore.

Los Angeles-Singapore is the second regular 'city pair' under the 'ASPIRE-Daily City Pair' program, which aims to deliver gate-to-gate environmental best practices for flights between pairs of airports throughout Asia and the Pacific, which have some of the fastest-growing aviation markets in the world. The first daily 'city pair' flight was launched between Auckland and San Francisco on February 21.

More green city-pair flights will be added over the next few months by ASPIRE partners.

"CAAS aims to actively contribute to reducing aviation's environmental footprint where we can. Hence, our participation in the 'ASPIRE-Daily City Pair' programme, with the launch of the LAX-SIN 'city-pair' with SIA," says Yap Ong Heng, director-general of CAAS. "This will clearly demonstrate how collaboration among ASPIRE partners, airlines and other air navigation service providers in employing best practices and technologies in air traffic management can achieve significant reductions in fuel consumption and carbon emissions for flights."

The LAX-SIN 'green' flight will use the following air traffic management best practices to reduce fuel burn and carbon emissions significantly:

- User-Preferred Routes, Dynamic Airborne Reroute Procedures and 30/30 Reduced Oceanic Separation, all of which allow pilots to take full advantage of atmospheric conditions, such as prevailing winds, to reduce separation between aircraft and shorten flight time; and
- Time-Based Arrivals Management and Arrivals Optimisation, which allow aircraft to fly with engines set at idle mode in continuous descent from a high altitude during the landing phase of the flight, thus reducing fuel burn.

"We are pleased to be able to implement these flight procedures on a regular basis, and see this as yet another step towards greener skies," says Gerard Yeap, Singapore Airlines' senior vice-president flight operations. "We will be monitoring the flight closely to track the fuel and emission savings, but we expect to reduce fuel burn by 2 tonnes and achieve carbon emission savings of around 6.3 tonnes for each Los Angeles-Singapore sector."

Each ASPIRE-Daily City Pair is rated based on the number of best-practice procedures employed, with three stars representing the minimum required and five stars indicating that all identified best practices are employed. The LAX-SIN city pair is assigned a four-star rating.

Posted in [Airbus](#), [Airlines](#)



« [Qantas flight forced to divert to Adelaide after burning through fuel](#)
[Woman, mother told by Southwest Airlines they are too fat to fly](#) »

You can [leave a response](#), or [trackback](#) from your own site.

Leave a Reply

Name (required)

Mail (will not be published) (required)

Website

ENVIRONMENT

16 May 2011

CAAS and SIA Take Further Steps to Reduce Carbon Footprints of Flights

The Asia and Pacific Initiative to Reduce Emissions (ASPIRE) partnership* is launching regular 'green' flights across Asia and the Pacific.

These come under the 'ASPIRE-Daily City Pair' programme, which aims to deliver gate-to-gate environmental best practices for pairs of airports

throughout the Asia-Pacific, one of the fastest growing aviation markets in the world. The first daily 'city pair' flight was launched between Auckland and San Francisco on 21 February 2011. More of such 'city pair' flights will be implemented over the next few months by ASPIRE partners.



On 16 May 2011, the Civil Aviation Authority of Singapore (CAAS) and Singapore Airlines (SIA), working together with the United States **Federal Aviation Administration** and the Civil Aviation Authority of the Philippines, are launching the second regular 'city pair' - Los Angeles (LAX) to Singapore (SIN) - flight. SIA flight SQ37, which operates non-stop from Los Angeles to Singapore, will employ enhanced gate-to-gate air traffic management operational procedures to reduce fuel burn and carbon emissions in all phases of the flight.

Mr Yap Ong Heng, Director-General of CAAS, said, "CAAS aims to actively contribute to reducing aviation's environmental footprint where we can. Hence, our participation in the 'ASPIRE-Daily City Pair' programme, with the launch of the LAX-SIN 'city-pair' with SIA. This will clearly demonstrate how collaboration among ASPIRE partners, airlines and other Air Navigation Service Providers in employing best practices and technologies in air traffic management can achieve significant reductions in fuel consumption and carbon emissions for flights."

The following air traffic management best practices, which significantly reduce fuel burn and carbon emissions, will be utilised for the LAX-SIN 'green' flight:

- 'User-Preferred Routes', 'Dynamic Airborne Reroute Procedures' and '30/30 Reduced Oceanic Separation', which allow pilots to take full advantage of atmospheric conditions, such as prevailing winds, to reduce separation between aircraft and shorten flight time
- 'Time-Based Arrivals Management' and 'Arrivals Optimisation' which allow aircraft to fly with engines set at idle mode in continuous descent from a high altitude during the landing phase of the flight, thus reducing fuel burn.

"We are pleased to be able to implement these flight procedures on a regular basis, and see this as yet another step towards greener skies. We will be monitoring the flight closely to track the fuel and emission savings, but we expect to reduce fuel burn by two tonnes and achieve carbon emission savings of around 6.3 tonnes for each Los Angeles-Singapore sector," says Singapore Airlines' Senior Vice-President Flight Operations Gerard Yeap.

Each 'ASPIRE-Daily City Pair' is star-rated based on the number of best practice procedures employed, with three stars representing the minimum required and five stars indicating that all identified best practices are employed. The LAX-SIN 'city pair' is assigned a 4-star rating.

About ASPIRE

ASPIRE (Asia and Pacific Initiative to Reduce Emissions) was established in 2008; a partnership between **Airways New Zealand**, the Federal Aviation Administration and **Airservices Australia**. Membership has since extended to include CAAS (Singapore) and JCAB (Japan).

ASPIRE takes a collaborative approach to air traffic management along key Asian and Pacific routes. Working with government agencies, airlines, regulators and other aviation industry stakeholders, ASPIRE aims to accelerate the development of 'gate to gate' operational procedures to reduce fuel burn and emissions for all phases of flight.

In 2008/09, the ASPIRE partners undertook a series of demonstration flights (linking NZ, Australia and the US). Each flight had access to the most advanced air navigation services and aircraft fuel optimisation initiatives currently available. Data gathered from these flights indicated an average 4% fuel savings and up to 15,000kg reduction in CO₂ emissions.

ASPIRE won the 2009 Jane's Global ATC Award; acknowledged for its commitment to promote best practises in the provision of ATM; to accelerate the development of new procedures and technologies to reduce aviation's environmental footprint and to develop shared performance measurements on emissions.

ASPIRE = less fuel burn, less time; in short it's good for the industry; it's good for passengers and it's great for the environment. ASPIRE is changing how we fly.

SUBSCRIBE

CANSO produces a wide variety of regular newsletters and publications. Our subscribe form allows you to control exactly what information you want to receive and when.

▶ [CLICK HERE to subscribe to:](#)

[CANSO News](#)

[ATM News](#)

[Regional Updates](#)

[Imagine 2010](#)

[project updates](#)


SUBMIT YOUR NEWS

Click here to submit your ATM News to be published on this website and emailed to more than 6000 aviation industry professionals.

[Submit your news story](#)

LATEST UPDATES

[Austro Control Selects Sensis Wide Area Multilateration for Austria's Nationwide Surveillance Network](#)

[Melbourne Hosts Global Research Centre on Air Traffic Management](#)

[CAAS and SIA Take Further Steps to Reduce Carbon Footprints of Flights](#)

[Boeing: China Has the Opportunity to Lead a Transformational Air Traffic Management System](#)

[Fourth COMSOFT AMHS User Group Meeting Again a Big Success](#)

[Looking Ahead While Learning from the Past](#)

For more detailed information about ASPIRE-Daily: <http://www.aspire-green.com/>

[Previous page](#)



Search CANSO website

[RSS](#)

[Subscribe](#)

[Submit ATM News](#)

[Terms of Use / Privacy Notice](#)





[New Zealand Celsius](#)

NZ's guide to sustainable business and corporate citizenship

- [Home](#)
- [News & Opinion](#)
- [Resources](#)
- [Projects](#)
- [Actions](#)
- [Organisations](#)
- [Citizenship](#)



- [Log In](#)

Singapore Airlines heads for greener skies

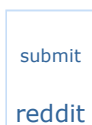
[Post a Comment](#)



By Celsius Team

Posted on May 17, 2011. Listed in:

- [Air Quality](#),
- [Aviation](#),
- [Biofuels & Alternative Energy](#),
- [Corporate Citizenship](#),
- [Corporate Social Responsibility](#)



0

•

There's nothing quite like taking flight, but as an industry, aviation is responsible for around 2 percent of global carbon emissions. And, according to a recently released [report on sustainable aviation](#) by the World Economic Forum, emissions are set to increase three-fold by 2050, despite a goal by the industry to halve emissions in the same time frame. Even options like biofuel would require a massive uptake to help reach this goal, with the report suggesting the rate of biofuel production would have to reach 13.6 million barrels a day by 2050.

While the goal may be ambitious, yet necessary, something called the [ASPIRE](#) (Asia and Pacific Initiative to Reduce Emissions) partnership is hoping to do its own bit by launching regular flights between pair cities that it's hoped will deliver gate-to-gate best practices to reduce fuel burn and emissions in all phases of flight. In February this year, the first 'ASPIRE- Daily City Pair' route took flight between Auckland and San Francisco. And just yesterday the second flight pair took flight, this one operating between Los Angeles and Singapore.

The current city pairs, and all future city pairs, are rated under a star rating system based on the number of best-practice procedures available, with three stars representing the minimum required, and five stars indicating all best practices are available.

Best practice can be achieved through:

- User-preferred routes, dynamic airborne reroute procedures and 30/30 reduced oceanic separation, which allow pilots to take full advantage of atmospheric conditions, such as prevailing winds, to reduce separation between aircraft and shorten flight time.
- Time-based arrivals management and arrivals optimisation which allow aircraft to fly with engines set at idle mode in continuous descent from a high altitude during the landing phase of the flight, thus reducing fuel burn.

Singapore Airlines senior vice-president of flight operations, Gerard Yeap, says the airline will keep a close eye on the fuel and emissions savings and expects the air traffic management practices to reduce fuel burn by two tonnes, saving 6.3 tonnes of carbon emissions per flight.

More about APSIRE

ASPIRE was established in 2008 to reduce the impact of aviation on the environment in the Asia and South Pacific regions through technological innovation and best practice air traffic management. It is a joint partnership between air navigation service providers [Airservices Australia](#), [Airways New Zealand](#) and the [Federal Aviation Administration](#) of the United States of America. Membership has since extended to include CAAS (Singapore) and JCAB (Japan).

[Join Celsias today!](#)

 0

[Add a comment](#)

- Name *: [Log in](#) to get your picture next to your comment ([not a member yet?](#)).

- Comment *
- Enter the two words *

story omnuntio

Type the two words:



(hint: logged in Celsias members don't have to fill this in)

CAAS and SIA take further steps to reduce carbon footprint of flightsPosted By [Chisa Boonmee](#) On May 18, 2011 @ 1:00 am In [Environmental](#) | [No Comments](#)

The Asia and Pacific Initiative to Reduce Emissions (ASPIRE) partnership^[1] is launching regular 'green' flights across Asia and the Pacific. These come under the 'ASPIRE-Daily City Pair' programme, which aims to deliver gate-to-gate environmental best practices for pairs of airports throughout the Asia Pacific, one of the fastest growing aviation markets in the world.

Mc

The first daily 'city pair' flight was launched between Auckland and San Francisco on 21 February 2011. More of such 'city pair' flights will be implemented over the next few months by ASPIRE partners.

On 16 May 2011, the Civil Aviation Authority of Singapore (CAAS) and Singapore Airlines (SIA), working together with the United States Federal Aviation Administration and the Civil Aviation Authority of the Philippines, launched the second regular 'city pair' - Los Angeles (LAX) to Singapore (SIN) - flight. SIA flight SQ37, which operates non-stop from Los Angeles to Singapore, will employ enhanced gate-to-gate air traffic management operational procedures to reduce fuel burn and carbon emissions in all phases of the flight.

Mr Yap Ong Heng, Director-General of CAAS, said, "CAAS aims to actively contribute to reducing aviation's environmental footprint where we can. Hence, our participation in the 'ASPIRE-Daily City Pair' programme, with the launch of the LAX-SIN 'city-pair' with SIA. This will clearly demonstrate how collaboration among ASPIRE partners, airlines and other Air Navigation Service Providers in employing best practices and technologies in air traffic management can achieve significant reductions in fuel consumption and carbon emissions for flights."

The following air traffic management best practices, which significantly reduce fuel burn and carbon emissions, will be utilised for the LAX-SIN 'green' flight:

'User-Preferred Routes', 'Dynamic Airborne Reroute Procedures' and '30/30 Reduced Oceanic Separation', which allow pilots to take full advantage of atmospheric conditions, such as prevailing winds, to reduce separation between aircraft and shorten flight time;

'Time-Based Arrivals Management' and 'Arrivals Optimisation' which allow aircraft to fly with engines set at idle mode in continuous descent from a high altitude during the landing phase of the flight, thus reducing fuel burn.

"We are pleased to be able to implement these flight procedures on a regular basis, and see this as yet another step towards greener skies. We will be monitoring the flight closely to track the fuel and emission savings, but we expect to reduce fuel burn by 2 tonnes and achieve carbon emission savings of around 6.3 tonnes for each Los Angeles-Singapore sector," says Singapore Airlines' Senior Vice-President Flight Operations Gerard Yeap.

Each 'ASPIRE-Daily City Pair' is star-rated based on the number of best practice procedures employed, with three stars representing the minimum required and five stars indicating that all identified best practices are employed. The LAX-SIN 'city pair' is assigned a 4-star rating.

- [Bookmark on Delicious](#) ^[2]
- [Digg this post](#) ^[3]
- [Recommend on Facebook](#) ^[4]
- [Share on LinkedIn](#) ^[5]
- [share via Reddit](#) ^[6]
- [Share with Stumblers](#) ^[7]
- [Share on technorati](#) ^[8]
- [Tweet about it](#) ^[9]
- [Bookmark in Browser](#) ^[10]

Article printed from e-Global Travel Media: <http://www.eglobaltravelmedia.com.au>

URL to article: <http://www.eglobaltravelmedia.com.au/z-more/enviromental/caas-and-sia-take-further-steps-to-reduce-carbon-footprint-of-flights.html>

URLs in this post:

[1] [1]: https://mail.google.com/mail/?ui=2&view=bsp&ver=ohh14rw8mbn4#12ffbecd3a6c57e_12ffbc8693b5fa69__ftn1

[2] Image: <http://delicious.com/post?url=http%3A%2F%2Fwww.eglobaltravelmedia.com.au%2Fz-more%2Fenviromental%2Fcaas-and-sia-take-further-steps-to-reduce-carbon-footprint-of-flights.html&title=CAAS+and+SIA+take+further+steps+to+reduce+carbon+footprint+of+flights>

[3] Image: <http://digg.com/submit?url=http%3A%2F%2Fwww.eglobaltravelmedia.com.au%2Fz-more%2Fenviromental%2Fcaas-and-sia-take-further-steps-to-reduce-carbon-footprint-of-flights.html&title=CAAS+and+SIA+take+further+steps+to+reduce+carbon+footprint+of+flights>

[4] Image: <http://www.facebook.com/sharer.php?u=http%3A%2F%2Fwww.eglobaltravelmedia.com.au%2Fz-more%2Fenviromental%2Fcaas-and-sia-take-further-steps-to-reduce-carbon-footprint-of-flights.html&t=CAAS+and+SIA+take+further+steps+to+reduce+carbon+footprint+of+flights>

[5] Image: <http://www.linkedin.com/shareArticle?mini=true&url=http%3A%2F%2Fwww.eglobaltravelmedia.com.au%2Fz-more%2Fenviromental%2Fcaas-and-sia-take-further-steps-to-reduce-carbon-footprint-of-flights.html&title=CAAS+and+SIA+take+further+steps+to+reduce+carbon+footprint+of+flights>

[6] Image: <http://www.reddit.com/submit?url=http%3A%2F%2Fwww.eglobaltravelmedia.com.au%2Fz-more%2Fenviromental%2Fcaas-and-sia-take-further-steps-to-reduce-carbon-footprint-of-flights.html&title=CAAS+and+SIA+take+further+steps+to+reduce+carbon+footprint+of+flights>

[7] Image: <http://www.stumbleupon.com/submit?url=http%3A%2F%2Fwww.eglobaltravelmedia.com.au%2Fz-more%2Fenviromental%2Fcaas-and-sia-take-further-steps-to-reduce-carbon-footprint-of-flights.html&title=CAAS+and+SIA+take+further+steps+to+reduce+carbon+footprint+of+flights>

[8] Image: <http://technorati.com/faves?add=http%3A%2F%2Fwww.eglobaltravelmedia.com.au%2Fz-more%2Fenviromental%2Fcaas-and-sia-take-further-steps-to-reduce-carbon-footprint-of-flights.html>

[9] Image: <http://twitter.com/home/?status=CAAS+and+SIA+take+further+steps+to+reduce+carbon+footprint+of+flights+-+http%3A%2F%2Fbit.ly%2FIEoYUO>

[10] Image: [http://www.eglobaltravelmedia.com.aujavascript:window.bookMark\(\)](http://www.eglobaltravelmedia.com.aujavascript:window.bookMark())



[Print This Article](#) [Close Window](#)

CAAS and SIA take further steps to reduce carbon footprint of flights
Tuesday, 17 May 2011

Regular 'green' flights from Los Angeles to Singapore launched

The Asia and Pacific Initiative to Reduce Emissions (ASPIRE) partnership¹ is launching regular 'green' flights across Asia and the Pacific. These come under the 'ASPIRE-Daily City Pair' programme, which aims to deliver gate-to-gate environmental best practices for pairs of airports throughout the Asia Pacific, one of the fastest growing aviation markets in the world. The first daily 'city pair' flight was launched between Auckland and San Francisco on 21 February 2011. More of such 'city pair' flights will be implemented over the next few months by ASPIRE partners.

On 16 May 2011, the Civil Aviation Authority of Singapore (CAAS) and Singapore Airlines (SIA), working together with the United States Federal Aviation Administration and the Civil Aviation Authority of the Philippines, are launching the second regular 'city pair' - Los Angeles (LAX) to Singapore (SIN) - flight. SIA flight SQ37, which operates non-stop from Los Angeles to Singapore, will employ enhanced gate-to-gate air traffic management operational procedures to reduce fuel burn and carbon emissions in all phases of the flight.

Mr Yap Ong Heng, Director-General of CAAS, said, "CAAS aims to actively contribute to reducing aviation's environmental footprint where we can. Hence, our participation in the 'ASPIRE-Daily City Pair' programme, with the launch of the LAX-SIN 'city-pair' with SIA. This will clearly demonstrate how collaboration among ASPIRE partners, airlines and other Air Navigation Service Providers in employing best practices and technologies in air traffic management can achieve significant reductions in fuel consumption and carbon emissions for flights."

The following air traffic management best practices, which significantly reduce fuel burn and carbon emissions, will be utilised for the LAX-SIN 'green' flight: 'User-Preferred Routes', 'Dynamic Airborne Reroute Procedures' and '30/30 Reduced Oceanic Separation', which allow pilots to take full advantage of atmospheric conditions, such as prevailing winds, to reduce separation between aircraft and shorten flight time; 'Time-Based Arrivals Management' and 'Arrivals Optimisation' which allow aircraft to fly with engines set at idle mode in continuous descent from a high altitude during the landing phase of the flight, thus reducing fuel burn.

"We are pleased to be able to implement these flight procedures on a regular basis, and see this as yet another step towards greener skies. We will be monitoring the flight closely to track the fuel and emission savings, but we expect to reduce fuel burn by 2 tonnes and achieve carbon emission savings of around 6.3 tonnes for each Los Angeles-Singapore sector," says Singapore Airlines' Senior Vice-President Flight Operations Gerard Yeap.

Each 'ASPIRE-Daily City Pair' is star-rated based on the number of best practice procedures employed, with three stars representing the minimum required and five stars indicating that all identified best practices are employed. The LAX-SIN 'city pair' is assigned a 4-star rating.

Source : Singapore Airlines

URL : <http://www.etravelblackboardasia.com/article.asp?id=75366>

Copyright © Agents Support Systems Pty Ltd 2001-2006 Powered by AGENTS SUPPORT SYSTEMS



HOME NEWS VACATIONS JO

Interline Vacation Deals
DARGAL

Featured Property
P4071 - Red Rock Escape

Arizona, Sedona, UNITED STATES

Promotions:

RSS News

Featured Region
PORTUGAL

LOWEST RATE. GUARANTEED.
On our hotels ONLY AT BestWestern.com

Motorhomes Worldwide.com

thetrainline.com
Click here to save on train tickets

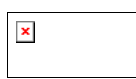
Breaking News Snippets

May 15: IATA suspends Zimbabwe's embattled airline [click here](#)

May 15: Kingfisher clears airport dues [click here](#)

May 15: Turbulence hits Dragonair plane to Hong Kong, 7 injured [click here](#)

May 13: Video shows how



Print This Page

CAAS and SIA take further steps to reduce carbon footprint of flights [read all the news stories](#)



May 15, 2011

The Asia and Pacific Initiative to Reduce Emissions (ASPIRE) partnership is launching regular 'green' flights across Asia and the Pacific. These come under the 'ASPIRE-Daily City Pair' programme, which aims to deliver gate-to-gate environmental best practices for pairs of airports throughout the Asia Pacific, one of the fastest growing aviation markets in the world. The first daily 'city pair' flight was launched between Auckland and San Francisco on 21 February 2011. More of such 'city pair' flights will be implemented over the next few months by ASPIRE partners.

On 16 May 2011, the Civil Aviation Authority of Singapore (CAAS) and Singapore Airlines (SIA), working together with the United States Federal Aviation Administration and the Civil Aviation Authority of the Philippines, are launching the second regular 'city pair' - Los Angeles(LAX) to Singapore (SIN) - flight. SIA flight SQ37, which operates non-stop from Los Angeles to Singapore, will employ enhanced gate-to-gate air traffic management operational procedures to reduce fuel burn and carbon emissions in all phases of the flight.

Mr Yap Ong Heng, Director-General of CAAS, said, "CAAS aims to actively contribute to reducing aviation's environmental footprint where we can. Hence, our participation in the 'ASPIRE-Daily City Pair' programme, with the launch of the LAX-SIN 'city-pair' with SIA. This will clearly demonstrate how collaboration among ASPIRE partners, airlines and other Air Navigation Service Providers in employing best practices and technologies in air traffic management can achieve significant reductions in fuel consumption and carbon emissions for flights."

The following air traffic management best practices, which significantly reduce fuel burn and carbon emissions, will be utilised for the LAX-SIN 'green' flight:

- (a) 'User-Preferred Routes', 'Dynamic Airborne Reroute Procedures' and '30/30 Reduced Oceanic Separation', which allow pilots to take full advantage of atmospheric conditions, such as prevailing winds, to reduce separation between aircraft and shorten flight time;
- (b) 'Time-Based Arrivals Management' and 'Arrivals Optimisation' which allow aircraft to fly with engines set at idle mode in continuous descent from a high altitude during the landing phase of the flight, thus reducing fuel burn.

"We are pleased to be able to implement these flight procedures on a regular basis, and see this as yet another step towards greener skies. We will be monitoring the flight closely to track the fuel and emission savings, but we expect to reduce fuel burn by 2 tonnes and achieve carbon emission savings of around 6.3 tonnes for each Los Angeles-Singapore sector," says Singapore Airlines' Senior Vice-President Flight Operations Gerard Yeap.

Each 'ASPIRE-Daily City Pair' is star-rated based on the number of best practice procedures employed, with three stars representing the minimum required and five stars indicating that all identified best practices are employed. The LAX-SIN 'city pair' is assigned a 4-star rating.

Source: Civil Aviation Authority of Singapore
Posted by: just4airlines.com at 0352h UTC May 16, 2011




Promotions:

www.roger-wilco.net
the first air traffic management blog
for pilots, air traffic controllers and other enthusiasts

irvs Luggage Free Shipping

MORE THAN PREMIER

KLM

 **May 16, 2011**

CAAS And Singapore Airlines Take Further Steps To Reduce Carbon Footprint Of Flights

Regular 'green' flights from Los Angeles to Singapore launched

The Asia and Pacific Initiative to Reduce Emissions (ASPIRE) partnership is launching regular 'green' flights across Asia and the Pacific. These come under the 'ASPIRE-Daily City Pair' programme, which aims to deliver gate-to-gate environmental best practices for pairs of airports throughout the Asia Pacific, one of the fastest growing aviation markets in the world. The first daily 'city pair' flight was launched between Auckland and San Francisco on 21 February 2011. More of such 'city pair' flights will be implemented over the next few months by ASPIRE partners.

On 16 May 2011, the Civil Aviation Authority of Singapore (CAAS) and Singapore Airlines (SIA), working together with the United States Federal Aviation Administration and the Civil Aviation Authority of the Philippines, are launching the second regular 'city pair' - Los Angeles (LAX) to Singapore (SIN) - flight. SIA flight SQ37, which operates non-stop from Los Angeles to Singapore, will employ enhanced gate-to-gate air traffic management operational procedures to reduce fuel burn and carbon emissions in all phases of the flight.

Mr Yap Ong Heng, Director-General of CAAS, said, "CAAS aims to actively contribute to reducing aviation's environmental footprint where we can. Hence, our participation in the 'ASPIRE-Daily City Pair' programme, with the launch of the LAX-SIN 'city-pair' with SIA. This will clearly demonstrate how collaboration among ASPIRE partners, airlines and other Air Navigation Service Providers in employing best practices and technologies in air traffic management can achieve significant reductions in fuel consumption and carbon emissions for flights."

The ASPIRE partners are Airways New Zealand, the United States Federal Aviation Administration, Airservices Australia, Japan Civil Aviation Bureau and Civil Aviation Authority of Singapore.

The following air traffic management best practices, which significantly reduce fuel burn and carbon emissions, will be utilised for the LAX-SIN 'green' flight:

'User-Preferred Routes', 'Dynamic Airborne Reroute Procedures' and '30/30 Reduced Oceanic Separation', which allow pilots to take full advantage of atmospheric conditions, such as prevailing winds, to reduce separation between aircraft and shorten flight time;

'Time-Based Arrivals Management' and 'Arrivals Optimisation' which allow aircraft to fly with engines set at idle mode in continuous descent from a high altitude during the landing phase of the flight, thus reducing fuel burn.

"We are pleased to be able to implement these flight procedures on a regular basis, and see this as yet another step towards greener skies. We will be monitoring the flight closely to track the fuel and emission savings, but we expect to reduce fuel burn by 2 tonnes and achieve carbon emission savings of around 6.3 tonnes for each Los Angeles-Singapore sector," says Singapore Airlines' Senior Vice-President Flight Operations Gerard Yeap.

Each 'ASPIRE-Daily City Pair' is star-rated based on the number of best practice procedures employed, with three stars representing the minimum required and five stars indicating that all identified best practices are employed. The LAX-SIN 'city pair' is assigned a 4-star rating.

www.singaporeair.com
www.aspire-green.com

Copyright © 2011 by **Asia Pacific News** All rights reserved worldwide.

For more information, send questions and comments to info@odysseymediagroup.com

This page was created on Tue May 17, 2011 at 11:55:43 PM Pacific Time.



<http://www.scoop.co.nz/stories/BU1105/S00565/green-flights-from-los-angeles-to-singapore-launched.htm>

'Green' flights from Los Angeles to Singapore launched

Tuesday, 17 May 2011, 9:39 am
Press Release: Singapore Airlines

CAAS And Singapore Airlines Take Further Steps To Reduce Carbon Footprint Of Flights

Regular 'green' flights from Los Angeles to Singapore launched

The Asia and Pacific Initiative to Reduce Emissions (ASPIRE) partnership¹ is launching regular 'green' flights across Asia and the Pacific. These come under the 'ASPIRE-Daily City Pair' programme, which aims to deliver gate-to-gate environmental best practices for pairs of airports throughout the Asia Pacific, one of the fastest growing aviation markets in the world. The first daily 'city pair' flight was launched between Auckland and San Francisco on 21 February 2011. More of such 'city pair' flights will be implemented over the next few months by ASPIRE partners.

On 16 May 2011, the Civil Aviation Authority of Singapore (CAAS) and Singapore Airlines, working together with the United States Federal Aviation Administration and the Civil Aviation Authority of the Philippines, launched the second regular 'city pair' - Los Angeles (LAX) to Singapore (SIN) - flight. Singapore Airlines flight SQ37, which operates non-stop from Los Angeles to Singapore, will employ enhanced gate-to-gate air traffic management operational procedures to reduce fuel burn and carbon emissions in all phases of the flight.

Mr Yap Ong Heng, Director-General of CAAS, said, "CAAS aims to actively contribute to reducing aviation's environmental footprint where we can. Hence, our participation in the 'ASPIRE-Daily City Pair' programme, with the launch of the LAX-SIN 'city-pair' with Singapore Airlines. This will clearly demonstrate how collaboration among ASPIRE partners, airlines and other Air Navigation Service Providers in employing best practices and technologies in air traffic management can achieve significant reductions in fuel consumption and carbon emissions for flights."

The following air traffic management best practices, which significantly reduce fuel burn and carbon emissions, will be utilised for the LAX-SIN 'green' flight:

- User-Preferred Routes, Dynamic Airborne Reroute Procedures and 30/30 Reduced Oceanic Separation, which allow pilots to take full advantage of atmospheric conditions, such as prevailing winds, to reduce separation between aircraft and shorten flight time.
- Time-Based Arrivals Management and Arrivals Optimisation which allow aircraft to fly with engines set at idle mode in continuous descent from a high altitude during the landing phase of the flight, thus reducing fuel burn.

"We are pleased to be able to implement these flight procedures on a regular basis, and see this as

yet another step towards greener skies. We will be monitoring the flight closely to track the fuel and emission savings, but we expect to reduce fuel burn by 2 tonnes and achieve carbon emission savings of around 6.3 tonnes for each Los Angeles-Singapore sector," says Singapore Airlines' Senior Vice-President Flight Operations Gerard Yeap.

Each 'ASPIRE-Daily City Pair' is star-rated based on the number of best practice procedures employed, with three stars representing the minimum required and five stars indicating that all identified best practices are employed. The LAX-SIN 'city pair' is assigned a 4-star rating.

* * *

Note 1: The ASPIRE partners are Airways New Zealand, the United States Federal Aviation Administration, Airservices Australia, Japan Civil Aviation Bureau and Civil Aviation Authority of Singapore.

About ASPIRE

ASPIRE (Asia and Pacific Initiative to Reduce Emissions) was established in 2008; a partnership between Airways New Zealand, the Federal Aviation Administration and Airservices Australia. Membership has since extended to include CAAS (Singapore) and JCAB (Japan).

ASPIRE takes a collaborative approach to air traffic management along key Asian and Pacific routes. Working with government agencies, airlines, regulators and other aviation industry stakeholders, ASPIRE aims to accelerate the development of 'gate to gate' operational procedures to reduce fuel burn and emissions for all phases of flight.

In 2008/09, the ASPIRE partners undertook a series of demonstration flights (linking NZ, Australia and the US). Each flight had access to the most advanced air navigation services and aircraft fuel optimisation initiatives currently available. Data gathered from these flights indicated an average 4% fuel savings and up to 15,000kg reduction in CO² emissions.

ASPIRE won the 2009 Jane's Global ATC Award; acknowledged for its commitment to promote best practises in the provision of ATM; to accelerate the development of new procedures and technologies to reduce aviation's environmental footprint and to develop shared performance measurements on emissions.

ASPIRE = less fuel burn, less time; in short it's good for the industry; it's good for passengers and it's great for the environment. ASPIRE is changing how we fly.

For more detailed information about ASPIRE-Daily: <http://www.aspire-green.com/>

About the Civil Aviation Authority of Singapore

The mission of the Civil Aviation Authority of Singapore (CAAS) is to "Grow a safe, vibrant air hub and civil aviation system, making a key contribution to Singapore's success". CAAS' roles are to oversee and promote safety in the aviation industry, develop the air hub and aviation industry, provide air navigation services, develop Singapore as a centre for aviation knowledge and training, and contribute to the development of international aviation.

About Singapore Airlines

When Singapore Airlines was formed in 1972, it operated a modest fleet of 10 aircraft to just 22 cities in 18 countries. With a commitment to fleet modernisation, product and service innovation and market leadership, the airline quickly distinguished itself as a world-class carrier.

Today, Singapore Airlines operates a modern passenger fleet of more than 100 aircraft and its

network, including Singapore Airlines Cargo and SilkAir destinations, currently covers a total of 101 destinations in 40 countries.

In October 2007, Singapore Airlines, a member of the Star Alliance, made aviation history again as the first to fly the world's largest passenger aircraft, the Airbus A380.

ends

Singapore Airlines launches 'green' flights through ASPIRE initiative

Singapore Airlines has launched a regular schedule of green flights in conjunction with a nationwide carbon-cutting scheme. The airline is working with the Asia and Pacific Initiative to Reduce Emissions (ASPIRE) to pair airports across the world that offer the best environmental practices. ASPIRE's first daily flights were launched between Auckland and San Francisco earlier this year and it expects to launch more 'city pair' flights in the future. "This will clearly demonstrate how collaboration among ASPIRE partners, airlines and other Air Navigation Service Providers in employing best practices and technologies in air traffic management can achieve significant reductions in fuel consumption and carbon emissions for flights," said Yap Ong Heng, director-general of the Civil Aviation Authority of Singapore (CAAS). ASPIRE works with the providers through a series of landing procedures. "We will be monitoring the flight closely to track the fuel and emission savings, but we expect to reduce fuel burn by 2 tonnes and achieve carbon emission savings of around 6.3 tonnes for each Los Angeles-Singapore sector," explained Gerard Yeap, SVP flight operations at SIA. Qantas, United Airlines and Japan Airlines have also launched green flights through the initiative since its launch in 2008.

SIA launches green flights to LAX



Singapore Airlines (SIA) and the Civil Aviation Authority of Singapore (CAAS) have announced that they are working with the US Federal Aviation Administration to launch a new trans-pacific 'green' flight between Singapore and Los Angeles. Flight SQ37, which operates the trans-Pacific route using an Airbus A340-500, will employ enhanced gate-to-gate air traffic management operational procedures to reduce fuel burn and carbon emissions in all phases of the flight. The flight is part of the Asia and Pacific Initiative to Reduce Emissions (ASPIRE) green flights initiative.

These include the adoption of 'User-Preferred Routes', 'Dynamic Airborne Reroute Procedures' and '30/30 Reduced Oceanic Separation', which allow pilots to take full advantage of atmospheric conditions, such as prevailing winds, to reduce separation between aircraft and shorten flight time.

Other techniques include 'Time-Based Arrivals Management' and 'Arrivals Optimisation' which allow aircraft to fly with engines set at idle mode in continuous descent from a high altitude during the landing phase of the flight, thus reducing fuel burn.

Yap Ong Heng, Director-General of CAAS, said; "CAAS aims to actively contribute to reducing aviation's environmental footprint where we can. Hence, our participation in the 'ASPIRE-Daily City Pair' programme, with the launch of the LAX-SIN 'city-pair' with SIA. This will clearly demonstrate how collaboration among ASPIRE partners, airlines and other Air Navigation Service Providers in employing best practices and technologies in air traffic management can achieve significant reductions in fuel consumption and carbon emissions for flights."

SIA's Senior Vice-President Flight Operations, Gerard Yeap, added; "We are pleased to be able to implement these flight procedures on a regular basis, and see this as yet another step towards greener skies. We will be monitoring the flight

closely to track the fuel and emission savings, but we expect to reduce fuel burn by two tonnes and achieve carbon emission savings of around 6.3 tonnes for each Los Angeles-Singapore sector.”

CAAS and SIA take further steps to reduce carbon footprint of flights

16.05.2011

The Asia and Pacific Initiative to Reduce Emissions (ASPIRE) partnership is launching regular 'green' flights across Asia and the Pacific. These come under the 'ASPIRE-Daily City Pair' programme, which aims to deliver gate-to-gate environmental best practices for pairs of airports throughout the Asia Pacific, one of the fastest growing aviation markets in the world. The first daily 'city pair' flight was launched between Auckland and San Francisco on 21 February 2011. More of such 'city pair' flights will be implemented over the next few months by ASPIRE partners.

On 16 May 2011, the Civil Aviation Authority of Singapore (CAAS) and Singapore Airlines (SIA), working together with the United States Federal Aviation Administration and the Civil Aviation Authority of the Philippines, are launching the second regular 'city pair' - Los Angeles(LAX) to Singapore (SIN) - flight. SIA flight SQ37, which operates non-stop from Los Angeles to Singapore, will employ enhanced gate-to-gate air traffic management operational procedures to reduce fuel burn and carbon emissions in all phases of the flight. Mr Yap Ong Heng, Director-General of CAAS, said, "CAAS aims to actively contribute to reducing aviation's environmental footprint where we can. Hence, our participation in the 'ASPIRE-Daily City Pair' programme, with the launch of the LAX-SIN 'city-pair' with SIA. This will clearly demonstrate how collaboration among ASPIRE partners, airlines and other Air Navigation Service Providers in employing best practices and technologies in air traffic management can achieve significant reductions in fuel consumption and carbon emissions for flights."

The following air traffic management best practices, which significantly reduce fuel burn and carbon emissions, will be utilised for the LAX-SIN 'green' flight:

(a) 'User-Preferred Routes', 'Dynamic Airborne Reroute Procedures' and '30/30 Reduced Oceanic Separation', which allow pilots to take full advantage of atmospheric conditions, such as prevailing winds, to reduce separation between aircraft and shorten flight time;

(b) 'Time-Based Arrivals Management' and 'Arrivals Optimisation' which allow aircraft to fly with engines set at idle mode in continuous descent from a high altitude during the landing phase of the flight, thus reducing fuel burn.

"We are pleased to be able to implement these flight procedures on a regular basis, and see this as yet another step towards greener skies. We will be monitoring the flight closely to track the fuel and emission savings, but we expect to reduce fuel burn by 2 tonnes and achieve carbon emission savings of around 6.3 tonnes for each Los Angeles-Singapore sector," says Singapore Airlines' Senior Vice-President Flight Operations Gerard Yeap.

Each 'ASPIRE-Daily City Pair' is star-rated based on the number of best practice procedures employed, with three stars representing the minimum required and five stars indicating that all identified best practices are employed. The LAX-SIN 'city pair' is assigned a 4-star rating.