



الهيئة العامة للطيران المدني
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Issue 87, March 2015, Jumada 1 1436



**Sulaiman Al-Hamdan is Appointed
New President of GACA**



**GE9X Engine in B777X Uses
Innovative 3D Printing Technology**



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Demise of a King, and Allegiance to a King

The Saudi people and the Arab and Muslim nations and even the advanced western circles were deeply saddened by the death of King Abdullah Bin Abdul-Aziz and the loss of a strong far sighted leader who showed a lot of wisdom and determination in addressing international and regional crises and issues. The in-statement of King Salman Bin Abdul-Aziz as Custodian of the Two Holy Mosques came as the best consolation for this great loss as he is renowned for his wisdom, determination, righteousness, and support to his people.

Allah Almighty has blessed our beloved kingdom with very sincere leaders who never saved an effort in serving Islam and Muslims. The first words said by the Custodian of the Two Holy Mosques, King Salman bin Abdul-Aziz Al-Saud upon receiving allegiance from the Saudi people were: "we will stick with the help of Allah to the righteous path that has been followed by this Kingdom ever since its foundation by the late King Abdul-Aziz and his sons guided by Quran and Sunnah.

Our civil aviation industry will never forget the unlimited support given by our wise leadership to this strategic sector starting from the construction and development of airports and their installations, manpower qualification and training, to providing our national air carrier (Saudia) with its big fleet of aircraft. KKIA in Riyadh will witness a quality shift while Jeddah



By Dr. Faissal H. Al-Sugair
VP, General Authority for Civil Aviation

city will have at the end of the current year a completely new airport built in line with the latest international standards and specifications with a capacity of 30 million passengers in phase one rising up to 80 million passengers at the end of Phase III.

Progress and development in the Kingdom's civil aviation sector have continued with the same tempo during the past period with respect to establishing of many airport construction projects, commercial invest-

ments, launching of restructuring and privatization programs, and keeping pace with the rapid improvement in aviation services worldwide. At the same time almost all the Kingdom's airports are experiencing expansion and development projects which enabled airline companies to access new markets, thus giving travellers new options and making the Kingdom a regional center for aviation industry.

We thank Allah Almighty for the state of stability and security we are enjoying in Saudi Arabia nowadays and ask Him to have mercy on the late King Abdullah and to support the Custodian of the Two Holy Mosques, King Salman bin Abdul-Aziz and his Crown Prince and Deputy Crown Prince. We would like also to extend our sincere felicitations to HRH Prince Mohamed bin Salman, Minister of Defense, President of the Royal Court, and Special Advisor to the King. May Allah protect our Kingdom from all evils and bestow upon us ever lasting stability and security ■

Sulaiman Al-Hamdan is Appointed New President of GACA

Royal Decree No. 91/1 was issued on 29/1/2015 appointing Mr. Sulaiman Bin Abdullah Al-Hamdan as new President of the General Authority of Civil Aviation at the Rank of Minister. Following his appointment His Excellency Mr. Sulaiman Al-Hamdan expressed his appreciation and thanks to the Custodian of the Two Holy Mosques, King Salman Bin Abdul-Aziz Al-Saud and to His Royal Highness Prince Mitrin bin Abdul-Aziz Al-Saud the Crown Prince and Deputy Premier, and to His Royal Highness Prince Mohamed bin Naif Bin Abdulaziz Deputy Crown Prince, Second Deputy Premier, and Minister of Interior for their trust. The President of the General Authority of Civil Aviation, Sulaiman Al-Hamdan biography in brief:

- Born in 1955.
- Obtained B. Sc. in Management from College of Commerce, Riyadh University, 1979, and M. Sc. in Business Administration in 1985 from the University of New Haven in Connecticut with a major in Marketing Management and Organization.
- Worked as CEO of NAS Co.



(NAS Holding) from 2008 up to his appointment as President of the GACA.

- Worked in the Saudi Development Fund, in a number of banks, and attended many specialized training courses in and out of the Kingdom.
- Deputy Managing Director for Banking Services in (SABB).



Al-Dhahri is Appointed Director General of KFIA



The President of the General Authority of Civil Aviation has issued a resolution approving Eng. Yousif Al-Dhahri's promotion as Director General of KFIA starting on 6/1/2015.

Eng. Al-Dhahri has a professional degree in Civil Engineering from Minnesota, USA, and a B. Sc. in Field Engineering from King Fahd University of Petroleum and Minerals.

New President of GACA inspects New KAIA Project

During an inspection tour around New KAIA Project on 16/2/2015, H.E. President of GACA, Mr. Sulaiman Al-Hamdan stated that New KAIA Project has a modern design and caters for all state-of-the-art technologies. He pointed out that the airport will be one of the Kingdom's most important facilities and will meet all the demands of Makkah Region. He assured that the project will be completed by the end of this year, followed by a possible option to tender its operation to qualified airport operators.

H.E. pointed out that GACA is planning to expand and develop a number of domestic and international airports such as KKIA Development Project in Riyadh which is expected to be complete in 2019.

He explained that GACA's general plan is to accomplish some of its big projects in partnership with the private sector. A good example is Prince Mohamed Bin Abdul-Aziz



International Airport (PMIA) in Madina which is constructed in a partnership with a Saudi company and the Turkish company TAV. Taif airport will be tendered on the same basis. Moreover, he stated that the plan is to change airports to project centers. Regarding the two new air carriers' operation, he explained that this will commence before the end of the current year. He mentioned that GACA

is ready when they are ready.

The tour covered the Project Media Center, International Departure Terminals, Duty Free Shops, Airport Hotel, Automated Railway System, Departure Processing Area, Commercial Areas, Transportation Center, and Haramain Railway Station. He was accompanied by GACA VP Dr. Faisal Al-Sugair and a number of GACA senior officials.

Saudia receives a new B777-300 ER

Saudi Arabian Airlines has received a new B777-300 ER aircraft, which arrived at KAIA in Jeddah on 30th January, 2015. The new aircraft is the third one of the two classes design and the 15th among other aircrafts of the same model. It is also the 77th of the total aircrafts that have been received within the Airlines Fleet modernization program, which includes 90 aircraft from Boeing and Airbus.

Eng. Al-Jasser, DG of Saudia explained that the capacity of Business Class of the new aircraft is 30 seats, while economy class capacity is 351 seats.

Al Jasser pointed out that owning such an aircraft will enable Saudia to develop its network and to add



new routes. The new aircraft can fly directly for more than 16 hours, and was built with modern, light materials, thus increased the economic and operational efficiency.

New International Flights from 3 Saudi Cities

Saudia announced on its official website on «Twitter» launching 3 weekly new non-stop flights between Prince Sultan bin Abdul-Aziz airport (PSAA) in Tabuk and Cairo Airport. Other operators on the same route are Egypt Air, Nesma, and Nile Air.

Gulf Air has launched its first Gassim-Manama flight (4 times weekly) on Sunday morning, 11th January, 2015 in the presence of the director of Prince Nayef Bin Abdul-Aziz Airport at Gassim, and the Deputy CEO of operations of Al Tayyar Group company (Gulf Air Agent in the Kingdom), and Saudi Al Orai, the Regional Manager of Gassim Group and a number of media representatives and Airport employees.

On the other hand, 42 passen-



Prince Sultan bin Abdulaziz airport (PSAA) in Tabuk

gers arrived to Najran airport on Flydubai's inaugural flight to Nejrán, which landed on the 10th of January 2015 and 156 passengers departed onboard the flight which will be 4 times weekly.

Khaled Al Khaibary GACA official spokesman said that Fly Dubai is the second airline to be granted a concession to operate international flights to and from Najran Airport.

Bander Al Mohana is the new CEO of NAS Holding

National Air Services (NAS Holding) has announced the appointment of Bandar Mohana as its new chief executive, taking over from Mr. Sulaiman Abdulla Al Hamdan, who was appointed by King Salman bin Abdul-Aziz as President of the General Authority of Civil Aviation.

Al -Mohana holds M. Sc. in Actuarial and Financial Mathematics from the University of Michigan, Ann Arbor, and an



MBA from American University in Washington DC. He also holds a B. Sc. in Accounting from King Saud University in Riyadh, in addition to completing an Advanced Management Program in Harvard University.



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- APSCO is committed to providing high-quality aviation products and services to customers, toward the highest international aviation standards.
- APSCO has performed various projects in close cooperation with GACA and airport authorities on development of into-plane facilities and fuel depots at many airports in Saudi Arabia.



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GE9X Engine in B777X Uses Innovative 3D Printing Technology

by: Khadija Osman*

In the years since the industrial age manufacturing has reached the very edges of the earth. It is something people all over the world rely on for everything from everyday tools to one-time trips on trains and airplanes. Nearly any object you hold throughout the day was at some point unrecognizable – nothing but raw materials that had to be shaved and melted and put together in a long process line in a plant somewhere. Even aircraft parts are manufactured through cutting blocks of metal. GE aviation has been producing engines for aircraft companies for decades, and is now on the verge of changing the whole manufacturing process as we know it – using 3D printers to print parts for their latest engines, such as the GE9X to be featured in B777X.

A 3D printer is a wonder to anyone witnessing it work for the first time. No matter how technologically up-to-date a person is in this age, actually seeing the printing process is almost surreal. The printer first scans an item, such as a wrench, or a model automobile, and then produces a 3D replica of the item, that can even usually be used for the same purpose as the original. This is such a futuristic concept, to see full objects get “printed” out of a printer. And



B777X

though this technology has only been more commonly available for use in the last three years, the method has developed to the extent of manufacturers being able to use it in building aircraft parts that rely on accuracy for safety and propulsion.

The traditional and most common method of manufacturing is the “subtractive” method, where a slab of material is shaved or cut away at to build a portion of a part, and it is the subtractive method that has been used in building airplane parts up until now. The 3D printing method that GE is using to build parts for their engines is “additive”; where parts are “grown” directly from CAD files using layers of fine metal powder and an electron beam or laser. This results in fully dense,

complex parts with little to no waste of material, manufactured in a fraction of the time the subtractive method would take. The implications behind the future in additive manufacturing lead many to refer to it as The Next Industrial Revolution.

The new GE Aviation facility in Auburn, Alabama will use 50 3D printers at full capacity, which is expected to speed up the building process of the engines. The GE9X engine itself is impressive. It is the world’s largest jet engine, and will find its home on the new B777X aircraft which will begin service in 2020. The 3D printing method used with the GE9X is an electron beam melting process (EBM) developed by engineers at a GE location in Italy. EBM will be used to 3D print metal

turbine blades for the GE9X. The blades are said to be made of an advanced aerospace material: titanium aluminide, which is 50% lighter than the nickel-based alloys normally used. The process works by fusing titanium powder by an electron gun 10 times as powerful as laser beams currently used for 3D printing metal, resulting in turbine blades that are four times thicker. One of the advantages of the process itself is that it makes titanium easier to work with, since it is known for being fragile. This same process is also being used in building low-pressure blades for several other engines, and a single EBM machine can build eight stage 7 blades the GEnx (one of GE's other engines) in only 72 hours. The only foreseeable drawback of 3D printing so far is that the material being used is more expensive than nickel-based alloys traditionally used for LPT blades. However the company says that savings in fuel-consumption and weight will more than make up for the difference in cost.

After signing an agreement to purchase 150 GE9X powered B777X aircraft at the Dubai Airshow in 2013, Emirates (airline) has more recently signed a 12-year agreement with GE Aviation for the maintenance, repair, and overhaul of its GE9X powered aircraft. The agreement is valued more than \$13 billion dollars for the 12 years. The people at GE insist that the 3D printing process plays a huge part in the success of their newer engines, such as the GE9X, since it helps



B777X featuring GE9X engine



GE9X in building phase

accomplish the goal many carriers have been keeping in mind in purchasing new aircraft: having a twin-engine jet able to fly long-haul routes with payloads comparable to the jumbo jets. With the lighter weight, more efficient engine blades it is believed that much money will be saved in fuel costs by the carriers. In fact, according to GE themselves, the GE9X engine will help achieve a 10% better fuel burn than the GE90-115B featured in the cur-

rent B777-300ER airplanes, and 5% better specific fuel consumption than any other twin-engine aircraft in service in 2020.

The innovations and implications behind such high-tech 3D printing in the future of aviation technology can only be imagined. Might there one day be an efficient commercial aircraft made entirely through additive manufacturing? Only time will tell ■

* Journalist, Aviation Researcher

New Istanbul airport on target to open in 2017

An international team of architects is working on the design of Istanbul's planned new €10.2 billion airport, which is expected to boast the world's biggest terminal complex. The gateway is set to boast three runways and a super size terminal capable of handling 90 million passengers per annum when it opens on October 29, 2017.

Its capacity will eventually rise to 150mppa, the first of two planned development phases being activated when it handles 80 million passengers per annum.

Located 35 kilometers from the centre of Istanbul on a 7,650 hectare site close to the Black Sea, the gateway will replace Atatürk Airport and provide the capacity needed to support the continued rapid growth of air traffic and the hub operations of Turkish Airlines.

Turkish Airlines' president and CEO, Temil Kotil, for one, has no doubt that the 2017 opening date is feasible, despite alleged funding issues the huge construction programme necessary to make it become a reality.

The Turkish government awarded the concession to build and operate Istanbul's new €10.2 billion gateway to the İGA Havalimanı İletmesi AS consortium after it agreed to pay it a sizeable fee of €22.2 billion plus VAT over the



course of the 25 year operating lease. Arup has developed the master plan for the new airport, which will become one of the world's new mega-hubs, while UK-based Grimshaw – in partnership with the Nordic Office of Architecture – will design the gateway's one million square metre terminal.

İGA Havalimanı İletmesi AS comprises the Turkish companies of Cengiz, Mapa, Limak, Kolin and Kalyon, all of which have a 20% stake in the Build-operate-transfer (BOT) project.

Others working on the huge project include Haptic Architects and local Turkish partners, GMW Mimarlık and TekeliSisa.

Traffic soaring at Istanbul's Sabiha Gökçen International Airport

Now 100% owned and operated by Malaysia Airports Holdings Berhad (MAHB), a total of 1.9 million passengers passed through the Turkish gateway last January.

The increase means that traffic throughput across MAHB's global airport system increased by 22% to 8.5 million in January, despite a 4.6% dip in passenger numbers at Malaysian airports.

Kuala Lumpur International Airport accounted for four million passengers in January, 2015, while its other airports – which include the international gateways of Langkawi, Kota Kinabalu, Kuching and Penang

handled 2.7 million passengers between them.

MAHB attributes the monthly traffic decline at its Malaysian airports to the shift of Chinese New Year festive season from January in 2014 to February in 2015.

It adds that Sabiha Gökçen International Airport continues to do "exceptionally well" in terms of traffic growth. The airport also recorded a 14.5% rise in January aircraft movements.

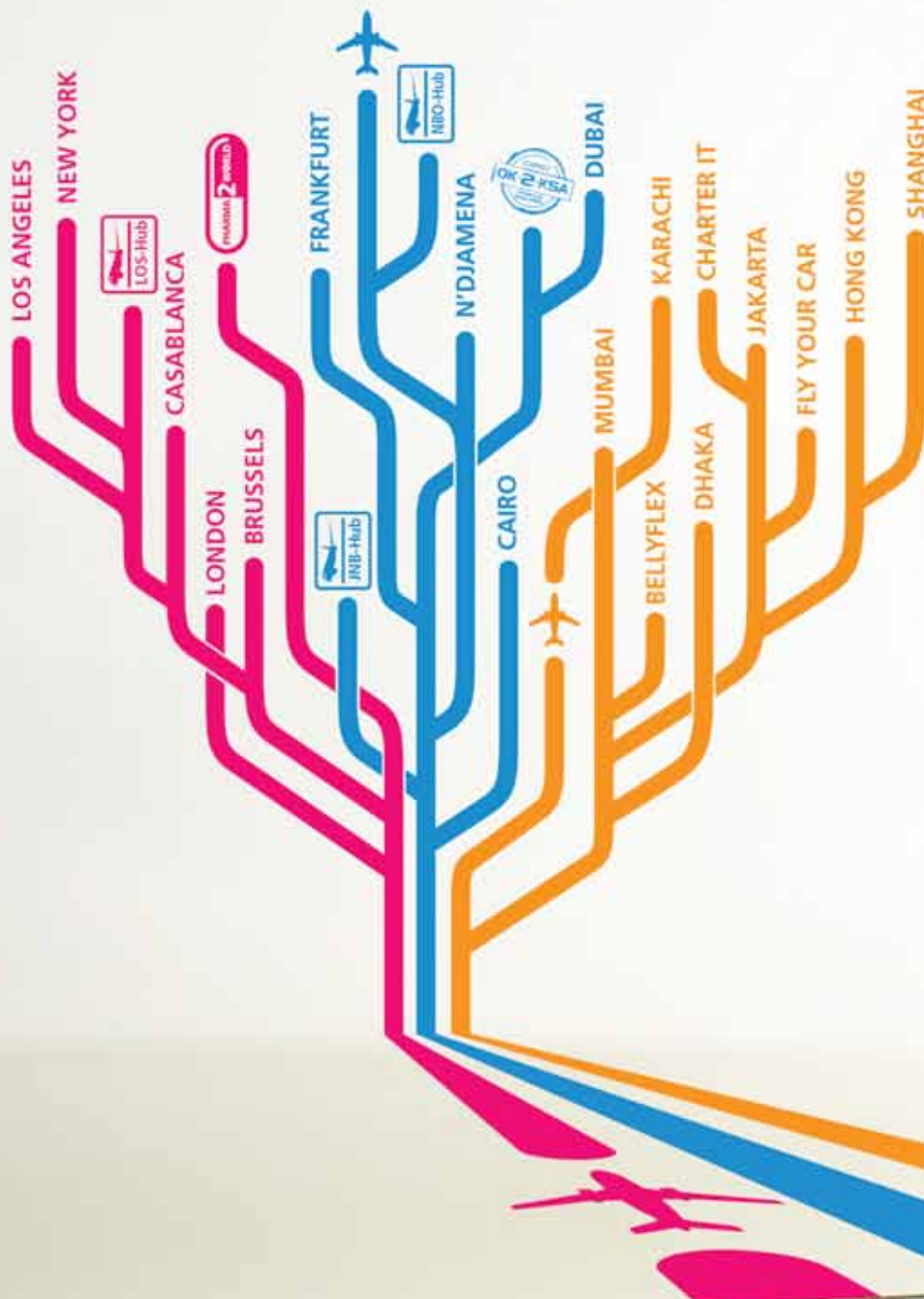
Another early producer of its January 2015 traffic statistics, Copenhagen Airport, reports that 1.6 million passengers (0.7%) travelled through the airport.

The Danish gateway notes that January is traditionally one of its quietest periods and that the upturn, which marked its 21st consecutive monthly increase in passenger numbers, was driven by rising international demand.

"At more than 3% growth, our intercontinental traffic continues to show good growth rates. The growth is primarily driven by the three overseas routes opened by Norwegian in 2014. Moreover, Qatar Airways added an additional four weekly frequencies to Doha from 1 February," says Thomas Woldbye, CEO of Copenhagen Airports A/S.

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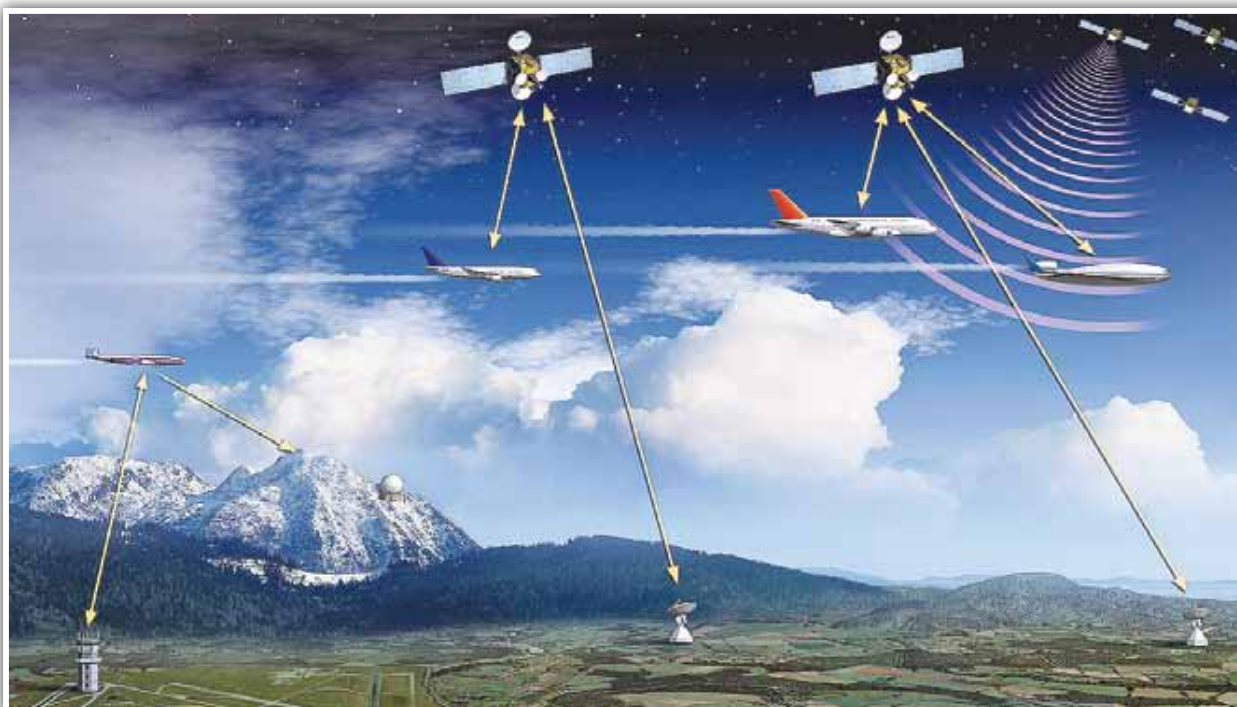


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Benefits of new aviation technologies

The air transport industry has developed a new concept for air traffic management that involves significant changes to airplanes, infrastructure, and ground systems. Known as Communications Navigation Surveillance and Air Traffic Management (CNS/ATM) System. This system is becoming increasingly attractive as an option for coping more efficiently with current traffic levels, as well as with the increased traffic levels anticipated in the future.

The current air traffic management system is based on ground navigational aids, radar, and voice communications, and will eventually be unable to cope with predicted air traffic growth. In response



**By Dr. Mohamed
Elfatih Elamin***

CNS/ATM relies on space-based navigation and communication.

Operator benefits offered by CNS/ATM include reduced fuel burn and flight time through direct routing, and increased payload capability for takeoff-weight-limited

flights. Using CNS/ATM, operators would be able to take advantage of several needed improvements:

1. Reduced separation between airplanes.
2. More efficient route changes.
3. Satellite communication.
4. No altitude loss when crossing tracks.
5. More direct routings.

1. Reduced Separation between Airplanes

In non-CNS/ATM system procedural airplane separation, errors in navigation and potential errors in voice communication between the flight crew and air traffic con-

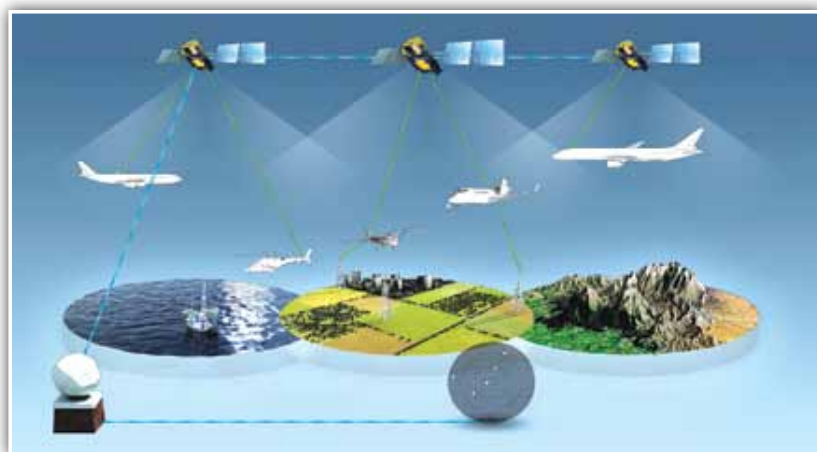
troller are considered when determining the necessary airspace separation between airplanes. The uncertainties of traditional voice position reporting and the delay associated with high-frequency relayed voice communications (20 to 45 minute) to make a high-frequency voice position report require the air traffic controller to allow a tremendous amount of airspace between each airplane, typically 100 nmi laterally and 120 nmi longitudinally. This computes to 48,000 mi² (square miles) of airspace to protect one airplane, and means that airplanes often operate at less-than-optimal altitudes and speeds.

However, through a satellite data link, airplanes equipped with CNS/ATM can transmit automatic dependent surveillance reports with actual position and intent information at least every five minutes. The position is based on the highly accurate Global Positioning System (GPS).

Digital data communication between the flight crew and the air traffic controller drastically reduces the possibility of error, and allows greatly reduced airplane separations. The combination of improvements in communication, navigation, and surveillance allows authorities to reduce required separation distances between airplanes, which in turn allows airplanes to fly at their optimum altitude and burn less fuel.

2. More Efficient Route Changes

Oceanic operations currently are based on weather data that are 12 to 18 hr old. By using the satellite data link that is part of CNS/ATM, however, the latest weather



data can be transmitted to an airplane while it is en route. Flight crews can then use these data to develop optimized flight plans, or those plans can be generated on the ground and transmitted to the airplane. Such dynamic re-routing may allow airlines to consider reducing discretionary fuel, which further reduces fuel burn or allows an increase in payload.

3. Satellite Communication

Satellite communication can reduce to a few minutes the response time for an airplane requesting a step climb to a new, optimum altitude to reduce fuel burn. Response time is currently 20 to 60 min.

4. No Altitude Loss When Crossing Tracks

To avoid potential conflict, an airplane that is approaching crossing tracks must be separated by altitude from any traffic on another track. As a result, one of the two airplanes can be forced to operate as much as 4,000 ft below optimum altitude.

But if the air traffic controller

has timely surveillance data, including projected intent, and the airplane is able to control its speed so that it reaches the crossing point at a given time, altitude separation would be required less frequently.

5. More Direct Routings

In many cases, current air traffic routings are compromised to take advantage of existing navigation aids and radar coverage, resulting in less-than-optimum routings. Taking advantage of space-based navigation and communication would allow more direct (shorter) routes.

With CNS/ATM in place, operators could benefit from reduced fuel burn and flight time as well as increased payload capacity for takeoff weight-limited flights. As a result, costs associated with crew and engine maintenance could be reduced, allowing operators to apply the money saved toward implementing and operating new routes ■

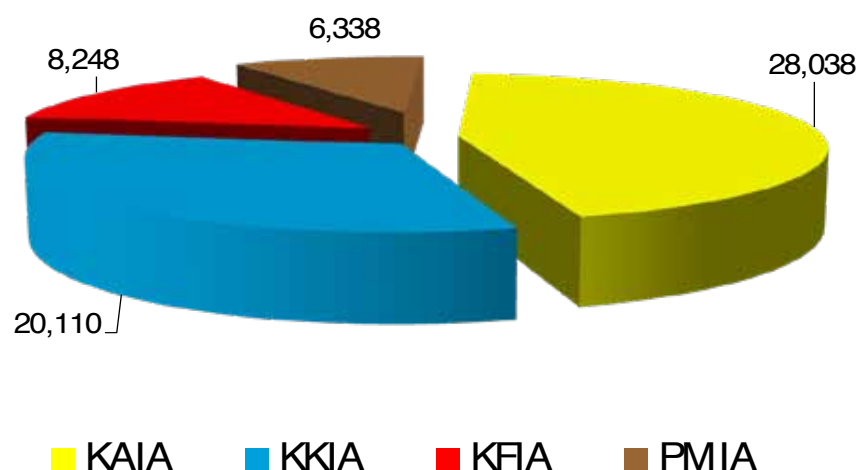
* Technical Advisor - GACA/ANS/SED/COMMUNICATIONS

Air-Traffic Airports Statistics in Saudi Arabia 2014

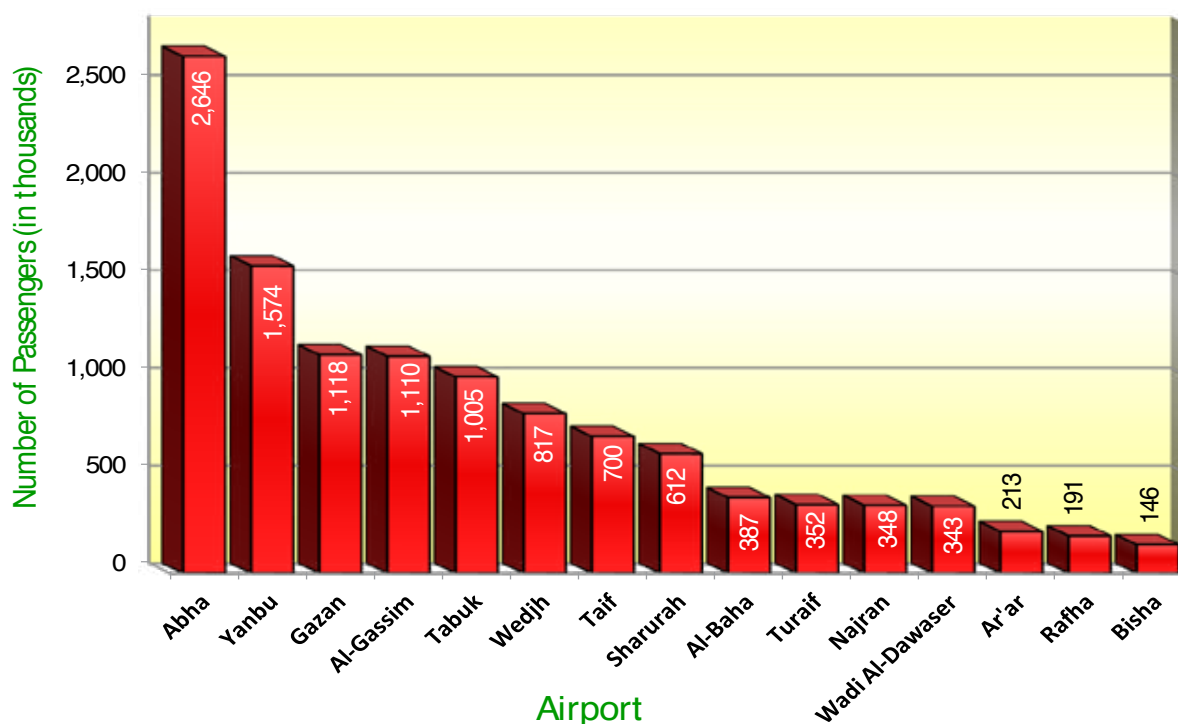
Rank	Airport	(000') PAX	# of Flights	Cargo in Tons	% Change		
					PAX	Flights	Cargo
1	KAIA (JED)	28,038	182,458	499,910.8	▲5.5	▼2.7	▲7.0
2	KKIA (RUH)	20,110	163,383	381,545.1	▲8.2	▲1.3	▼15.0
3	KFIA (DMM)	8,248	79,284	115,829.7	▲12.8	▲8.8	▼4.8
4	PMIA (MED)	6,338	50,848	9,390	▲24.6	▲23.7	▲20.1
5	Abha (AHB)	2,646	22,221	3,190.7	▲10.5	▲13.8	▼16.9
6	Gazan (GIZ)	1,118	9,556	1,941.8	▲11.5	▲10.0	▼4.5
7	Tabuk (TUU)	1,005	8,488	328.4	▲9.2	▲9.1	▼19.9
8	Al-Gassim (ELQ)	1,110	10,122	923.4	▲10.2	▲17.2	▲1.6
9	Taif (TIF)	700	5,927	1,143.8	▲17.9	▲21.6	▲4.7
10	Yanbu (YNB)	1,574	11,888	2,731.6	▲25.3	▲22.1	▲11.2
11	Najran (EAM)	348	3,012	107.6	▲5.4	▲6.1	▼17.3
12	Hail (HAS)	109	1,989	9.7	▲0.4	▼0.8	▼3.3
13	Bisha (BHH)	146	1,924	88.1	▼0.9	▲11.7	▲7.9
14	Al-Jouf (AJF)	56	966	21.0	▼1.7	▲6.8	▼14.3
15	Al-Baha (ABT)	387	3,734	131.4	▲4.5	▲6.5	▲6.0
16	Ar'ar (RAE)	213	2,171	342.4	▲2.5	▲5.4	▼4.8
17	Al-Ahsa (HOF)	58	1,031	18.3	▲0.1	▲15.3	▼28.2
18	Al-Gurayat (URY)	57	983	33.3	▲6.6	▲8.9	▲14.5
19	Sharurah (SHW)	612	6,139	494.6	▲4.0	▲5.8	▼6.3
20	Al-Qaisumah (AQI)	134	2,211	138.1	▲2.1	▲3.2	▲16.7
21	Wadi Al-Dawaser (WAE)	343	3,731	582.6	▲1.3	▲3.6	▼9.1
22	Turaif (TUI)	352	6,510	354.7	▲18.5	▲89.6	▲110.6
23	Rafha (RAH)	191	1,897	300.6	▲14.0	▲13.5	▼4.3
24	Wedjh (EJH)	817	7,874	243.6	▲2.2	▲6.7	▼11.4
25	Dawadami (DWD)	14	408	0.8	▲88.0	▲56.4	▼29.3
26	Al-ula (ULH)	22	417	2.4	▼3.9	▲3.4	▼70.5
27	Rabigh (RGB)★	0	44	0.0	▲29.4	▼2.0	▼100.0
Total		74,749	589,216	1,019,805	▲9.7	▲4.2	▼3.7

★ Private Aights only

Air Traffic at The Kingdom's International Airports (passengers in Thousands 2014)



Top 15 Domestic Airports (ranked by passengers 2014)



Source: Information Center & Statistical Studies (GACA)

Forthcoming Aviation Conferences, Exhibitions & Seminars

15 March – 15 May 2015

17 - 20 March

8th Asian Ground Handling
International Conference
Macao, China
groundhandling.com/asia/

18 - 19 March

ICAO Regional Meeting of the
Ministers in Charge of Travel
Documents
Marrakech, Morocco
[icao.int/Meetings/MRTD-Morocco/
Pages/default.aspx](http://icao.int/Meetings/MRTD-Morocco/Pages/default.aspx)

18 - 20 March

ICAO/UNOOSA Aerospace
Symposium
Montréal, Canada
[icao.int/meetings/space2015/Pages/
default.aspx](http://icao.int/meetings/space2015/Pages/default.aspx)

18 - 25 March

ACI Africa Board Meeting,
Regional Conference &
Exhibition
Casablanca, Morocco
aci-africa.aero/

19 March

BBGA Annual Conference
Croydon, UK
bbga.aero/

22 - 25 March

18th Annual AAAE Geographic
Information Systems (GIS)
Conference and Exhibition
Savannah, GA, USA
[events.aaae.org/sites/150309/index.
cfm](http://events.aaae.org/sites/150309/index.cfm)

23 - 25 March

CHC Safety & Quality Summit
Vancouver, Canada
chcsafetyqualitysummit.com/

U.S.-South Africa Aviation

Leadership Forum
Cape town, South Africa
[events.aaae.org/sites/140627/index.
cfm](http://events.aaae.org/sites/140627/index.cfm)

23 - 26 March

ICAO Regional Facilitation (FAL)
Seminar
Bangkok, Thailand
[icao.int/APAC/Meetings/
Pages/2015-FAL.aspx](http://icao.int/APAC/Meetings/Pages/2015-FAL.aspx)

International Operators
Conference (IOC2015)
San Antonio, TX, USA
nbaa.org/events/ioc/2015/

23 - 27 March

Global Aviation Training and
TRAINAIR PLUS Symposium
Dublin, Ireland
gatsymposium2015.diata.ie/

25 - 26 March

CAPA's Airlines in Transition
Summit
Dublin, Ireland
[capaevents.com/ehome/index.php?e
ventid=109268&tabid=247719&](http://capaevents.com/ehome/index.php?eventid=109268&tabid=247719)

25 - 27 March

Meeting on the Sustainable
Development of Air Transport In
Africa
Antananarivo, Madagascar
[icao.int/Meetings/AirTransport-
Madagascar/Pages/default.aspx](http://icao.int/Meetings/AirTransport-Madagascar/Pages/default.aspx)

Airports Canada Conference &

Exhibition
Vancouver, Canada
aci-na.org/event/5342

8 - 11 April

58th Annual AEA International
Convention & Trade Show
Dallas, TX, USA
aea.net/convention/2015/Default.asp

9 - 10 April

Global Aviation Dialogues
(GLADs)
Lima, Peru
[icao.int/meetings/GLADs-2015/
Pages/default.aspx](http://icao.int/meetings/GLADs-2015/Pages/default.aspx)

10 - 11 April

Fifth Annual Marvel of Flight
DeFuniak Springs, FL, USA
marvelofflight.com/

11 April

Calgary Careers in Aviation Expo
Calgary, Canada
careersinaviation.ca/expo/

12 - 14 April

ACI-NA and AAAE Airport Board
& Commissioners Conference
New Orleans, LA, USA
events.aaae.org/sites/150402/

13 - 15 April

IATA Ops Conference
Los Angeles CA, USA
[iata.org/events/Pages/ops-
conference.aspx](http://iata.org/events/Pages/ops-conference.aspx)

14 - 15 April

Exploring Aircraft Operating
Costs Seminar
Grapevine, TX, USA
[theaircharterjournal.com/
industryevents/conklindd2015/](http://theaircharterjournal.com/industryevents/conklindd2015/)

14 - 16 April

MRO Americas
Miami Beach, FL, USA
[mroamericas.aviationweek.com/
amer15/public/enter.aspx](http://mroamericas.aviationweek.com/amer15/public/enter.aspx)

ABACE - Asian Business Aviation

Conference & Exhibition
Shanghai, China
abace.aero/2015/

15 - 18 April

Legal Affairs Spring Conference
New Orleans, LA, USA
aci-na.org/event/5192

17 - 23 April

49th International Aviation Snow
Symposium
Buffalo, NY, USA
snowsymposium.org/

20 April

Easa Regulations & Continuing Airworthiness Seminar
Dublin, Ireland
everestevents.co.uk/

20 - 21 April

Global Aviation Dialogues (GLADs)
Cairo, Egypt
icao.int/meetings/GLADs-2015/Pages/default.aspx

AAAE/GL Chapter AAAE National Aviation Environmental Management Conference
New Orleans, LA, USA
events.aaae.org/sites/150401/index.cfm

20 - 22 April

Business of Airports Conference
Phoenix, AZ, USA
aci-na.org/boa

21 April

Records & Repossession Seminar
Dublin, Ireland
everestevents.co.uk/event/repossessions-seminar/

21 - 23 April

WATS 2015 - World Aviation Training Conference and Tradeshow
Orlando, FL, USA
halldale.com/wats#.VOIosXk5Ct8

21 - 24 April

ACI EUROPE 24th Airport Commercial & Retail Conference & Exhibition
Milan, Italy
aci-europe-events.com/airport-commercial-retail/

23 - 24 April

Global Aviation Dialogues (GLADs)
Singapore, Singapore
icao.int/meetings/GLADs-2015/Pages/default.aspx

26 - 29 April

IATA Ground Handling Conference
Istanbul, Turkey
iata.org/events/ighc/Pages/index.aspx

27 - 28 April

CAPA Americas Aviation Summit
Las Vegas, NV, USA
capaevents.com/ehome/index.php?eventid=111147&tabid=247734

Global Aviation Dialogues (GLADs)

Madrid, Spain
icao.int/meetings/GLADs-2015/Pages/default.aspx

IOSA Workshop
Istanbul, Turkey
iata.org/events/Pages/iosa-workshop.aspx

27 - 29 April

ISAGO Auditors Symposium
Istanbul, Turkey
iata.org/events/Pages/isago-auditors-symposium.aspx

ACI Asia-Pacific 10th Regional Assembly, Conference & Exhibition
Dead Sea, Jordan
aci-apaa2015.com/

28 - 30 April

ICAO – WHO CAPSCA Global Symposium
Montréal, Canada
icao.int/Meetings/CAPSCA2015/Pages/default.aspx

29 - 30 April

ACI-NA/ACC/AGC Airport Construction Strategy Summit
Ft. Lauderdale, FL, USA
aci-na.org/event/5736

2 - 3 May

Great Alaska Aviation Gathering
Anchorage, AK, USA
greatalaskaaviationgathering.org/

4 - 6 May

Smart Airports & Regions Conference
Atlanta, GA, USA
saandr.com/

5 - 6 May

MRO BEER 2015: Baltics, Eastern Europe & Russia
Budapest, Hungary
mrobeers.aviationweek.com/beers15/public/enter.aspx

5 - 7 May

AHS International's 71st Annual Forum and Technology Display
Virginia Beach, VA, USA
vtol.org/events/ahs-71st-annual-forum-and-technology-display

Cabin Safety Conference
Paris, France
iata.org/events/Pages/cabin-safety.aspx

Maintenance Management Conference (MMC2015)
Portland, OR, USA
nbaa.org/events/mmc/2015/

8 May

NBAA Business Aviation Taxes Seminar
Dallas, TX, USA
nbaa.org/events/taxes-seminar/2015/

10 - 11 May

Aviation Africa
Dubai, UAE
aviationafrica.aero/the-event/

10 - 12 May

The Airport Show
Dubai, UAE
theairportshow.com/portal/home.aspx

Southeast Chapter AAAE Annual Conference and Exposition
Bentonville, AR, USA
nwa2015.com/

11 - 12 May

3rd Global Airport Leaders' Forum (GALF)
Dubai, UAE
globalairportleadersforum.com/