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MAKING GLOBAL AIR TRAFFIC SURVEILLANCE A POWERFUL REALITY

Aireon will harness next-generation aviation surveillance technologies that are currently ground-based and, for the first time ever, extend their reach globally to provide safety benefits to all stakeholders.

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Introducing CANSO’s Members

With CANSO’s Members supporting over 85 per cent of world air traffic, CANSO is the global voice of air traffic management (ATM). CANSO brings the world’s air navigation service providers, leading industry innovators and air traffic management specialists together with governments, regulators and key stakeholders to share knowledge, develop best practice and shape the future for secure and seamless airspace.

CANSO Members fall into two categories:

**Full Member**

Any ANSP can join CANSO as a Full Member regardless of its legal status. This includes ANSPs integrated within government structures and departments. For Members not separated from their governments, an article of membership explicitly recognises that CANSO does not represent the national government of the ANSP’s home State in any way.

**Associate Member**

Organisations that supply goods and services to the air traffic management industry, as well as academic institutions and aircraft operators can become an Associate Member. Membership offers Associates the opportunity to network both formally and informally with clients and key decision-makers across the aviation industry. Associate Members are also encouraged to lend their expertise to CANSO work programmes and help improve the delivery of air navigation services.
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Saudi Air Navigation Services (SANS)
SENEAM
Serbia and Montenegro Air Traffic Services SMATSA llc
Serco
skyguide
Slovenia Control
State Airports Authority & ANSP (DHMI)
Sudan Air Navigation Services Department
Swaziland Civil Aviation Authority
Tanzania Civil Aviation Authority
Trinidad and Tobago Civil Aviation Authority
Ukrainian State Air Traffic Service Enterprise (UkSATSE)
Vietnam Air Traffic Management Corporation (VATM)

ASSOCIATE MEMBERS

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Adacel Inc.
ADB SAFEGATE
Aeronav Inc.
Air Traffic Control Association (ATCA)
Air Traffic Control Association – Japan
Air Traffic Management Research Institute (ATMRI)
Aireon LLC
AirMap Inc.
ATAC
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The Aeroportos de Moçambique Company was created in 1980 in order to establish and operate the public service of support to air navigation, direct and control air traffic following international norms and standards on the matter, on an exclusive basis.

The Company's mission is to provide airport management services and support to air navigation that contribute for the development of national and international air transport that is safe, efficient, effective and with respect for the environment. Main responsibilities is to control the air traffic; management and administration of departures and arrivals of aircraft; establishment of conditions for safe travel - embark, disembark, transit passengers, cargo and enhanced airport infrastructure and air navigation systems; planning for implementing new and enhanced airport infrastructure and air navigation system; Ensuring maintenance of airports and navigation systems; acquisition of revenues based on internal and external sources to be used for management, operation, maintenance and development of airports and air navigation systems; making proposals for tariffs for the use of airports and airspace and guarantee the quality of the service rendered through technological excellence to ensure client and employee satisfaction. Mozambique airspace falls under the Beira Flight Information Region (FIR) which is delegated to Mozambique by the International Civil Aviation Organization (ICAO).

The Company manages 20 airports spread all over the country, of which 6 are international – Maputo, Beira, Tete, Nampula, Nacala and Pemba – 5 main aerodromes - Vilankulo, Inhambane, Chimoio, Quelimane and Lichinga – and 9 secondary aerodromes – Bilene, Inhaca, Costa do Sol, Ponta de Ouro, Songo, Ulongwe, Lumbo, Angoche and Mocimboa da Praia.

| Number of Towers Operated | 10 |
| Number of ACCs            | 2  |
| Number of Employees       | 700 |
| Total Number of ATCOs     | 86  |
| Total Number of Operational ATCOs | 79 |

Membership type: Full Member
Managing director: Mr. Emanuel Chaves
Head office: Acordos de Lusaka Ave 3267, P.O. Box 2631, Maputo, Moçambique
Country: Mozambique
Telephone number: +258 (21) 465 375/6
Fax number: +258 (21) 465 359
E-mail: info@aeroportos.co.mz
Website: www.aeroportos.co.mz
Aeronautical Radio of Thailand (AEROTHAI) is a State Enterprise under the Ministry of Transport and Communications. With the consent of the Royal Thai Government, a group of airlines founded AEROTHAI in 1948 to provide air traffic control and aeronautical communication services for airline operations. In 1963, the Government acquired the majority of the Company's share capital from the founding airlines thereby altering the Company's status to that of a State Enterprise.

AEROTHAI's main functions include the provision of air traffic control services and aeronautical telecommunication services within the Bangkok Flight Information Region (FIR) at all provincial airports and certain other areas of responsibility entrusted to AEROTHAI by the International Civil Aviation Organization (ICAO). It also performs related services, including:

- Providing communication equipment for air transportation operations at airports within Thailand and overseas.
- Designing, manufacturing, and installing customised communication equipment.
- Carrying out consultancy and training in air traffic control, aeronautical telecommunications, and engineering.
- Installing and maintaining communication equipment for domestic and international organisations.

Furthermore, AEROTHAI emphasises establishing international co-operation to open up new direct routes to connect Thailand with other parts of the world, enabling more cost-effective and time-efficient flights. This includes the expansion of the Aeronautical Telecommunication Network to provide wider coverage and the continual development of the technology and personnel necessary to keep up-to-date with international standards. Research and development activities in aeronautical telecommunication systems, equipment and services, as well as the development of international co-operation, all contribute to the provision of services that meet customers' needs.

Membership type: Full Member
Head office: 102 Ngamduplee, Tungmahamek, Bangkok 10120
Country: Thailand
Telephone number: +662 287 3531 41
Fax number: +662 287 3131
E-mail: prga@aerothai.co.th
Website: www.aerothai.co.th

| No. of Towers Operated: | 35 |
| No. of ACCs: | 1 |
| No. of Employees: | 2,856 |
| Total No. of ATCos: | 611 |
ANWS is the air navigation services provider of Taipei FIR.

The main responsibilities of ANWS are to provide air traffic control, air navigation, aeronautical meteorological service, aeronautical information and aviation telecommunication for domestic and foreign aircraft inside Taipei FIR.

ANWS holds ISO-9000-2001 certification and currently has 780 staff to operate one area control center, 2 approach control units and 11 control towers. Besides, all en route or terminal civil air navigational aids, surveillance systems (radar, Multi-lateration and ADS-B) and airfield lighting systems in some airports are also installed and maintained by ANWS.

Our quality policy: World Class Flight Safety, First Class Customer Service.

| Towers: | 11 |
| ACCs:   | 1  |
| Employees: | 780 |
| Total ATCOs: | 301 |
| Operational ATCOs: | 222 |

Membership type: Full Member
Managing director: Ms. Joyce Huang
Head office: 362, Binjiang St., Songshan Dist., Taipei City, 10594
Telephone number: +886 2 8770 2100
Fax number: +886 2 2515 7532
E-mail: lukakuo@anws.gov.tw
Website: www.anws.gov.tw
Mission

We aim to fulfill the social, business, government and military needs of the country, and to make persistent and forward looking efforts for the ultimate in facilities and air service.

Vision

Our vision is to develop world-class airport infrastructure & facilities, and achieve the highest standards of safety and security, customer-orientated international airport. Our priority is to meet the changing demands of commercial aviation for the passengers and airlines today and in the future, finding new means to increase utilization of the facility to create better operating effectiveness.

<table>
<thead>
<tr>
<th>No of Towers Operated:</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of ACCs:</td>
<td>1</td>
</tr>
<tr>
<td>No. of Employees:</td>
<td>0</td>
</tr>
<tr>
<td>Total number of ATCOs:</td>
<td>26</td>
</tr>
<tr>
<td>Total number of operational ATCOs:</td>
<td>23</td>
</tr>
</tbody>
</table>

Membership type: Full Member
Managing director: Mr. Bahri Nuredini
Head office: Air Navigation Services Agency of Kosovo Vrelle, 10070 Lipjan, Republica of Kosovo
Country: Republic of Kosovo
Telephone number: +381 (38) 595 8132
Fax number: +381 (38) 595 8283
E-mail: bahri.nuredini@anp-ka.org
Website: www.anp-ka.org
Air Navigation Services Finland Oy (ANS Finland) is a limited company owned by the State.

ANS Finland provides en-route services as well as aerodrome control services and approach control services for 22 airports in Finland.

En-route services include area control services in Finland, airspace management, aeronautical search and rescue and air traffic flow management. The new company is also responsible for providing air navigation technological services.

ANS Finland operates independently, under the ownership and direction of the Ministry of Traffic and Communications.

<table>
<thead>
<tr>
<th>Towers operated:</th>
<th>22</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of ACCs:</td>
<td>1</td>
</tr>
<tr>
<td>Employees:</td>
<td>425</td>
</tr>
<tr>
<td>Total number of ATCOs:</td>
<td>280</td>
</tr>
<tr>
<td>Total number of operational ATCOs:</td>
<td>250</td>
</tr>
</tbody>
</table>

Membership type: Full Member
Managing director: Mr. Raine Luojus
Head office: Air Navigation Services Finland Oy P O Box 157, 01531 Vantaa Finland
Country: Finland
Telephone number: +358 (20) 708 000
Fax number: +358 (20) 708 2298
E-mail: ans@ansfinland.fi
Website: www.ansfinland.fi
Air Navigation Services of the Czech Republic (ANS Czech Republic)

ANS CR is a progressive provider of safe and cost-effective air traffic services designated by Czech Ministry of Transport. Its task is to provide services to airspace users within the Czech airspace and at 4 international airports - Prague, Brno, Ostrava and Karlovy Vary. Covering rather small but very complex airspace, the company handled more than 850,000 flights in 2017 with minimal level of delay.

Operating fleet of jet and propeller calibration aircraft, ANS CR offers wide range of flight inspection services. In addition, ANS CR provides specialized aviation training. The portfolio includes ATC training, pilot and other aviation staff training using its own facilities including ATC and aircraft simulators. The above-mentioned activities together with ATM consultancy services are provided to international customers on commercial basis by subsidiary companies CANI (Czech Air Navigation Institute) and CATC (Czech Aviation Training Centre).

Being member of SESAR Joint Undertaking, ANS CR actively contributes to SESAR 2020 Programme. Participation in SESAR Deployment Programme is ensured by involvement in several implementation projects. Together with other central European countries the Functional Airspace Block Central Europe (FAB CE) was formally established. All such activities contribute to implementation of the Single European Sky (SES) legislation.

Employees: 989
Total number of ATCOs: 276
Total number of operational ATCOs: 218

Membership type: Full Member
Managing director: Mr. Jan Klas
Head office: Navigační 787 252 61 Jeneč
Country: Czech Republic
Telephone number: +420 220 372 244
Fax number: +420 220 373 230
E-mail: info@ans.cz
Website: www.ans.cz
ATNS is responsible for air traffic control in approximately 10% of the world’s airspace. Our services extend further than the familiar air traffic control service, into the provision of vitally important aeronautical information used for all flight planning purposes as well as search and rescue coordination activities and the maintenance of a reliable navigation infrastructure.

Our operations further include:

- The supply of aeronautical information services, technical maintenance and aerodrome services;
- Alert, search and rescue coordination services;
- Management of the flexible use of airspace through the Central Airspace Management Unit (CAMU);
- Support for special events and special requirements;
- The implementation and maintenance of a terrestrial-based navigational structure; and
- The training of licensed air traffic controllers and technical staff through our Aviation Training Academy (ATA).

Membership type: Full Member
Managing director: Mr. Thabani Mthiyane
Head office: Private Bag X15, Kempton Park, Gauteng 1620 South Africa
Country: South Africa
Telephone number: +27 11 607 1000
Fax number: +27 11 607 1570
E-mail: marketing@atns.co.za
Website: www.atns.com

| No. of Towers operated: 23 |
| No. of ACCs: 2 |
| No. of Employees: 1,050 |
| Total number of ATCOs: 568 |
| Total number of operational ATCOs: 525 |
AirNav Indonesia

Organisation Overview

Based on Government Regulation no. 77 of year 2012, Public Corporation (Perum) the operator of the Indonesian Air Navigation Service Provider is a business entity that operates air navigation services in Indonesia and is not profit-oriented. It is a State-Owned Enterprise whose capital is owned by the State in the form of state assets separated and not divided into shares in accordance with Law Number 19 of year 2003 concerning State-Owned Enterprises. Perum LPPNPI or better known as AirNav Indonesia is determined to become a provider of Air Navigation Services with International standards that prioritises safety, regularity and convenience.

Membership type: Full Member
Managing director: Mr. Novie Rianto
Head office: ATC - Tower, Soekarno-Hatta Airport, Jakarta, 19101, Indonesia
Country: Indonesia
Telephone number: +622 1550 6492
Fax number: +622 1550 1135
E-mail: lppnpi@airnavindonesia.co.id
Website: www.airnavindonesia.co.id
Airport & Aviation Services (S.L.) Limited

Airport and Aviation Services (Sri Lanka) Ltd is a fully government owned company with statutory powers to manage and develop civil airports in Sri Lanka. It is one of the leading public business undertakings making a great contribution to the national economy and it is the institutional mechanism of the Government of Sri Lanka (GOSL) through which economic benefits of civil aviation industry are channelled to the nation’s coffers. The company is among the top most profit-making blue chip companies in Sri Lanka. It is actively involved in the national infrastructure development drive of the GOSL especially in the field of aviation and the construction of the Southern International Airport at Mattala in the Hambantota District is one of such mega project, which is currently on its public works schedule.

The company has identified the need for doubling the handling capacity at Bandaranaike International Airport within the next five years and construction works necessary for such capacity enhancement are planned to commence in the near future. AASL is being transformed into a marketing oriented blue-chip public company capable of withstanding competition and benefit from competitive advantage. The company is planning to promote domestic aviation using the existing infrastructure at civil aerodromes scattered around the country and spread its wings covering the whole island.

Membership type: Full Member
Managing director: Mr. Ananda Wimalasena
Head office: Bandaranaike International Airport, Katunayake, 11450
Country: Sri Lanka
Telephone number: +94 (11) 225 2130
Fax number: +94 (11) 225 3187
Website: www.airport.lk
Airports Authority of India (AAI) is responsible for the provision of Air Navigation Services over the Indian continental airspace and adjoining oceanic airspace, delegated to India by ICAO. AAI also functions as the major airport operator in India, responsible for management of 124 Airports which include 11 International Airports, 82 Domestic Airports, 12 Custom Airports and 19 Civil Enclaves (at Defense Airfields). AAI’s vision is to be a world class organisation providing leadership in Air Traffic Services and airport management making India a major hub by 2016. AAI’s major ANS initiatives include:

- AAI is implementing a Satellite Based Navigation System, called GAGAN (GPS Aided Geo Satellite Navigation) to provide SBAS services over the Indian subcontinent, capable of regional expansion to South East Asia.
- Provision of a robust CNS infrastructure with highest standards of reliability, availability and integrity.
- A major ATM initiative to restructure the Indian airspace into 4 ACCs from the existing 11 ACCs by integrating the new generation surveillance and communication technologies and Upper Airspace Harmonisation.
- Chennai FIR has been restructured in 2011, by creating dynamically operated Upper and Lower Area Centers, providing seamless ANS services throughout Chennai FIR. The airspace harmonisation of Delhi, Mumbai and Kolkata FIRs is in progress.
- For this indigenous effort, AAI has won the prestigious Jane’s ATC Award 2012 under the Operational Efficiency category.
- AAI plans to implement a Central Air Traffic Flow Management System for balancing demand and capacity in phases, with the first phase likely by December 2012 at six major airports. AAI plans to eventually harmonise the C-ATFM system with a regional ATFM system.

| No. of Towers:       | 76  |
| No of ACCs:          | 11  |
| No. of Employees:    | 18,672 |
| Total number of ATCOs: | 2,164 |
| Operational ATCOs:   | 2,154 |

Membership type: Full Member
Managing director: Dr. Guruprasad Mohapatra
Head office: Rajiv Gandi Bhavan, Safdarjung Airport, New Dehli - 110 003
Country: India
Telephone number: +91 11 246 329 30
Fax number: +91 11 246 410 88
E-mail: memberans@aai.aero
Website: www.aai.aero
Airports Fiji Limited (AFL)

Organisation Overview

Airports Fiji Limited (AFL) provides air traffic management (ATM) in the Nadi Flight Information Region (NFIR). This includes the air space of Fiji, Tuvalu, New Caledonia, Kiribati and Vanuatu covering a six million square kilometer (6,000,000 km²) area.

AFL is also responsible for the operation of 15 public airports in the Fiji Islands. These include two international airports; Nadi international Airport – Fiji's main international gateway and Nausori Airport – Fiji's domestic hub and 13 outer island airports.

Airports Fiji is a fully owned Government Commercial Company (GCC) that was established in April 1999. It came into existence as a result of the re-organisation of the Civil Aviation Authority of Fiji (CAAF) into separate commercial and regulatory authorities under the Public Enterprise Act, 1996.

AFL’s establishment was part of an overall Government policy to ensure that government entities were more efficient, productive, and accountable, better organised and more focused on commercial activities and profitability. Airports Fiji has a dual reporting system where it reports to the minister for Public Enterprise on its commercial performance and to the Minister for Civil Aviation on matters related to policies that govern the aviation industry.

The Public Enterprise Act requires AFL to carry out the business of:
1. Operating, servicing and providing security to Fiji’s international, domestic and outer island airports;
2. Managing air traffic services with the NFIR;
3. Yielding a minimum return of 10 percent (10%) on the shareholders investment; and
4. Investing in the development of airport and ATM facilities for current and future usages.

Membership type: Full Member
Head office: Private Mail Bag, Nadi Airport, Fiji Islands
Country: Fiji
Telephone number: +679 67 25 777
Fax number: +679 67 25 161
Website: www.airportsfiji.com
Airservices Australia

Airservices is a government-owned corporation providing safe, secure, efficient and environmentally responsible services to the aviation industry. Airservices has responsibility for:

- airspace management
- aeronautical information
- aviation communications
- radio navigation aids
- aviation rescue and fire fighting services

We are responsible for the airspace stretching in latitude from two degrees to 90 degrees south; and in longitude from 75 degrees to 163 degrees east. This is an area of almost 20 million sq nautical miles (51.7 million sq kms) – or some 11 percent of the world’s total airspace.

<table>
<thead>
<tr>
<th>Details</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of Towers Operated</td>
<td>29</td>
</tr>
<tr>
<td>No. of Employees</td>
<td>4,204</td>
</tr>
<tr>
<td>Total No. of ATCOs</td>
<td>1,054</td>
</tr>
</tbody>
</table>

Membership type: Full Member
Managing director: Mr. Jason Harfield
Head office: PO Box 367, Canberra ACT 2601 Australia
Country: Australia
Telephone number: +61 (2) 6268 4111
Fax number: +61 (2) 6268 5683
E-mail: info@airservicesaustralia.com
Website: [http://www.airservicesaustralia.com/](http://www.airservicesaustralia.com/)
Airways New Zealand

Airways is a world-leading ANSP, providing air traffic control and air navigation services in New Zealand, and delivering air navigation and air traffic management consultancy and training services in over 65 countries.

Airways is experienced in implementing best practice solutions - providing superior value, attention to detail and quality outcomes for customers.

- Achieve lower training costs and higher trainee success rates with Airways Total Control simulators
- Timely and high quality delivery of aeronautical information and Performance Based Navigation procedures for safety and efficiency in difficult terrain with GroupEAD Asia Pacific
- Airways Training provides experienced instructors, cutting-edge technologies and internationally recognized training programmes
- Remove recruitment uncertainty - choose the best candidates every time with SureSelect
- Airways’ flow management tools and collaborative flow manager (CFM) improve on-time performance, decrease fuel consumption and reduce CO2 emissions

<table>
<thead>
<tr>
<th>No. of Towers operated:</th>
<th>19</th>
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</thead>
<tbody>
<tr>
<td>ACCs:</td>
<td>1</td>
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<tr>
<td>No. of Employees:</td>
<td>761</td>
</tr>
<tr>
<td>Total number of ATCOs:</td>
<td>370</td>
</tr>
<tr>
<td>Total number of operational ATCOs:</td>
<td>343</td>
</tr>
</tbody>
</table>

Membership type: Full Member
Managing director: Mr Graeme Sumner
Head office: Level 26, Majestic Centre, 100 Willis Street, Wellington 6011
Country: New Zealand
Telephone number: +64 (4) 471 1888
Fax number: +64 (4) 471 0395
E-mail: international@airways.co.nz
Website: www.airways.co.nz
ALBCONTROL is a joint stock company, with fully state capital, property of the Ministry of Economy of Republic of Albania, which provides the Air Navigation Services of Albania. ALBCONTROL control and runs the management of the Albanian air space in accordance with international and national standards of safety and quality on the air navigation field. Since 2003, ALBCONTROL is a member of EUROCONTROL and of Air Routes. In 2009, ALBCONTROL became a full member of the Civil Air Navigation Services Organisation, CANSO.

| No. of Towers Operated: | 1 |
| No. of ACCs:            | 1 |
| No. of Employees:       | 327 |
| Total number of ATCOs:  | 56 |
| Total number of operational ATCOs: | 45 |

Membership type: Full Member
Managing director: Mrs. Belinda Balluku
Head office: Rinas Tirana International Airport, P.O. Box 8172 Tirana Albania
Country: Albania
Telephone number: +355 69 60 47 292
E-mail: albcontrol@albcontrol.al
Website: www.albcontrol.al
Austro Control is one of Europe’s leading air traffic control organisations. There are as many as 4,000 controlled flights in Austrian airspace on some days.

Austro Control’s key task is maintaining safe, punctual, efficient and environmentally friendly air traffic round the clock, 365 days a year. In 2011, there were more than 1.1 million flight movements in Austrian airspace.

Austro Control is a limited company (plc) owned by the Austrian government that grew from the Federal Office of Civil Aviation (corporatised on 1 January 1994). The company received Single European Sky certification in December 2006, and is thus entitled in principle to provide air traffic control services throughout the EU. With a workforce of about 1000, Austro Control is responsible for maintaining top quality standards in terms of safety, punctuality and convenience for airlines and passengers.

Austro Control has two main functions, performed by separate divisions. The Air Navigation Services Division largely comprises operational functions, while the Aviation Agency is responsible for regulatory matters.

<table>
<thead>
<tr>
<th>No. of Towers operated:</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of ACCs:</td>
<td>1</td>
</tr>
<tr>
<td>No. of Employees:</td>
<td>1,067</td>
</tr>
<tr>
<td>Total ATCOs:</td>
<td>320</td>
</tr>
</tbody>
</table>

Membership type: Full Member
Membership status: Full Member
Managing director: Mr. Heinz Sommerbauer, Mr. Thomas Hoffmann
Head office: Schnirchgasse 11, A-1030 Wien
Country: Austria
Telephone number: +43 (5) 1703 0
Fax number: +43 (5) 1703 9106
E-mail: info@austrocontrol.at
Website: www.austrocontrol.at
Avinor Flysikring AS

Organisation Overview

Avinor owns and operates 46 airports in Norway, 12 of which in cooperation with the Military Services. Avinor is also responsible for providing air navigation services within Norwegian airspace, in a safe, efficient and orderly way. As a limited company it is important for Avinor to be able to adapt quickly to changes in the market, to secure a safe and cost efficient service to our customers. Safety and security have our highest priority, and in addition we continuously work to minimise our environmental impact.

Avinor became a limited company in 2003. It is a self financed business and receives no subsidies from its owner through the Ministry of Transport and Communication.

<table>
<thead>
<tr>
<th>Towers operated:</th>
<th>46</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of ACCs:</td>
<td>3</td>
</tr>
<tr>
<td>Employees:</td>
<td>3,226</td>
</tr>
<tr>
<td>Total number of ATCOs:</td>
<td>516</td>
</tr>
<tr>
<td>Total number of operational ATCOs:</td>
<td>505</td>
</tr>
</tbody>
</table>

Membership type: Full Member
Managing director: Mr. Anders Kirsebom
Head office: P.O. Box 150, 2061 Gardermoen, Norway
Country: Norway
Telephone number: +47 81 530 550
Fax number: +47 64 812 001
E-mail: post@avinor.no
Website: www.avinor.no
AZANS, Azerbaijan Air Navigation Services Department of “Azerbaijan Hava Yollari” CJSC, was established in 1996 and is the responsible body for ATC within the airspace of Azerbaijan Republic.

The airspace of the Azerbaijan Republic is 165,400 sq. km, 86,600 of which is land and 78,000 sq. km is above the Caspian sea area. The route network within the airspace of Azerbaijan Republic amounts to around 8000km.

Azerbaijan is farthest ECAC Member State to the east of Europe bordering with Kazakhstan, Turkmenistan and Russia from the north and east, the Islamic Republic of Iran from the south, and Georgia, Armenia and Turkey from the west.

The goals of the enterprise’s activities include:
• Guarantee high-quality air navigation services to international standards;
• To flexibly utilise new international standards and recommendations, develop and modernise technical systems and information services;
• Train and equip qualified personnel;
• Provide quick and high quality information that meets the demands of operators.

AZANS is playing a proactive role in regional and international co-operation in air traffic control. In addition to ICAO and ECAC membership, Azerbaijan is a CANSO Member and was one of co-founders of the Regional ANSP’s Development Association RADA.

Azerbaijan is a member of: ICAO, IATA, ECAC, IAC, CANSO, JAA, ATCA, IKSANO, and is on its way to becoming a member of EUROCONTROL.

| No. of Towers Operated: | 6 |
| No. of ACCs:           | 2 |
| No. of Employees:     | 660 |
| Total number of ATCOs: | 180 |

Membership type: Full Member
Membership status: Full
Managing director: Mr. Farhan Guliyev
Head office: Heydar Aliyev International Airport, Baku AZ1044, Azerbaijan
Country: Azerbaijan
Telephone number: +994 (12) 49 72 719
Fax number: +994 (12) 49 71 672
E-mail: office@azans.az
Belgocontrol is an autonomous public company with the following mission:
1. To ensure the air traffic safety in the airspace for which the Belgian State is responsible.
2. To control the aircraft movements at and around Brussels National Airport. As a result of the co-operation agreement with the Regions, Belgocontrol also ensures the air traffic safety at the regional public airports and airfields.
3. To supply information about air traffic to the police, the airport inspection and the air traffic services.
4. To provide meteorological information to the air traffic services as well as to telecommunication services and other services.

Belgocontrol was created in October 1998 and consequently took over the tasks of the ‘Air Traffic Safety’ Department of the former Regie der Luchtwegen/Régie des Voies Aériennes.

Belgocontrol is also a member, together with the ANSp of France, Germany, Luxembourg, Switzerland and the Netherlands, of the Functional Airspace Block Europe Central (FABEC)

<table>
<thead>
<tr>
<th>Towers operated:</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of ACCs:</td>
<td>1</td>
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<tr>
<td>Employees:</td>
<td>852</td>
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<tr>
<td>Total number of ATCOs:</td>
<td>353</td>
</tr>
<tr>
<td>Total number of operational ATCOs:</td>
<td>328</td>
</tr>
</tbody>
</table>

Membership type: Full Member
Managing director: Mr. Johan Decuyper
Head office: Tervuursesteenweg 303, B-1820 Steenokkerzeel, Belgium
Country: Belgium
Telephone number: +32 (2) 206 21 11
Fax number: +32 (2) 206 22 88
E-mail: info@belgocontrol.be
Website: www.belgocontrol.be
Bulgarian Air Traffic Services Authority (BULATSA)

Under the Civil Aviation Act and as per the meaning of article 62, paragraph 3 of the Law on Commerce, the state-owned enterprise “Bulgarian Air Traffic Services Authority” (BULATSA) is a legal entity having its seat in Sofia and performing state functions for the provision of air navigation services in the controlled civil airspace of the Republic of Bulgaria, in line with the international agreements in the field of civil aviation signed and ratified by the Republic of Bulgaria.

BULATSA operates the following air traffic control centres:
- 1 Area Control Centre (CNATCC Sofia) in Sofia;
- 3 APPs in Sofia, Varna and Burgas: 5 TWR Centres in Sofia, Varna, Burgas, Plovdiv and Gorna Oryahovitsa.

BULATSA also:
- operates and maintains a nationwide communication, surveillance, navigation meteorological and AIS networks;
- provides licensed training to air traffic controllers.

Number of Towers operated: 5
Number of ACCs: 1
Number of Employees: 1,066
Total number of ATCOs: 308
(264 ATCOs in OPS + 44 ATCOs on other duties)
Total number of operational ATCOs: 264

Membership type: Full Member
Managing director: Mr. Georgi Peev
Head office: 1 blvd. Brussels, 1540 Sofia
Country: Bulgaria
Telephone number: +359 (2) 937 1111
Fax number: +359 (2) 980 0043
E-mail: atsainfo@atsa.bg
Website: www.bulatsa.com
Civil Aviation Authority (CAA) Uganda is a corporate body established under the CAA Act No 3 of 1994, Cap 354. CAA is propelled by the cardinal objective of its establishment which is to promote the safe, secure, regular and efficient use and development of civil aviation inside and outside Uganda. Its secondary objectives include: maximisation of revenue by providing facilities and services on cost-recovery basis, maintenance of a high quality, cost sensitive and well motivated workforce, promotion and support of efforts for protection of the environment and continued improvement of the quality of services to customers of its airports.

In order to focus on the demands of the long-term future, a Vision, “To promote the safest, most efficient and affordable air transport system in Africa and beyond” was adopted. CAA remains committed to the fulfillment of its mission, “To maintain the highest standards of safety, security and service in Civil Aviation. “The Authority is determined to accomplish the statutory mandate assigned to it by the Government. CAA advises government on policy matters, international conventions and adoption of measures relating to civil aviation.

The Authority, among the many functions also: licenses operators and aviation crew, provides air navigation services, coordinates and directs search and rescue services, certifies operators and aircraft, establishes, maintains, operates and owns aerodromes. CAA has a Board of Directors and a Management Team; with five technical Directorates: Airports and Security, Air Navigation Services, Safety, Security & Economic Regulation, Finance & Accounting, Human Resources & Administration.

<table>
<thead>
<tr>
<th>Towers:</th>
<th>3</th>
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<tbody>
<tr>
<td>ACCs:</td>
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<tr>
<td>Employees:</td>
<td>897</td>
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<tr>
<td>Total ATCOs:</td>
<td>59</td>
</tr>
<tr>
<td>Operational ATCOs:</td>
<td>44</td>
</tr>
</tbody>
</table>

Membership type: Full Member
Managing director: Dr. David Mpango Kakuba
Head office: Entebbe International Airport P.O. Box 5536, Kampala, Uganda
Country: Uganda
Telephone number: +256 414 321 426
Fax number: +256 414 321 401
E-mail: aviation@caa.co.ug
Website: www.caa.co.ug
Cambodia Air Traffic Services Company Limited (CATS) was established in April 2001 by SAMART Corporation Public Company Limited which gained exclusive license from the Royal Government of Cambodia to develop and operate the entire air traffic control and navigation system in Cambodia under the Build, Corporate and Transfer (BCT) terms and conditions.

As of July 2014, CATS employs 272 people, including 133 in ATS operation, 80 in technical and engineering and 59 in commercial and administration. Of those 133 in ATS operation, 102 are ATCOs.

CATS is responsible for providing air traffic services in 1 FIR (Phnom Penh FIR) which includes 10 international ATS routes and 17 domestic ATS routes, 3 international airports and 5 domestic airports.

For the year 2013, CATS handled 72,694 flight movements which increased by 19% from the year 2012 with 60,828 flight movements. In order to enhance the quality of its services, CATS has invested to upgrade technical infrastructure at 1 ACC, 3 APPs and 8 TWRs with 3 secondary surveillance radar systems supplemented by 3 ADS-B ground stations, 3 DVOR/DME stations, Air-Ground VHF Radio System with 3 Remote Control Air-Ground Stations to extend the range of coverage.

Presently, CATS is focusing on the transition to the CNS/ATM to integrate and harmonize itself into the regional and global aviation communities by continuously modernizing technical equipment and facilities and developing the capacities of its human resources.

Membership type: Full Member
Managing director: Mr. Theeraphat Kulkijkamjorn
Head office: Russian Federation Boulevard, Sankat Kakab, Phnom Penh, Kingdom of Cambodia
Country: Kingdom of Cambodia
Telephone number: +855 23 866 294
Fax number: +855 23 890 214
E-mail: info@cats.com.kh
Website: CATS
Civil Aviation Authority, Bangladesh (CAAB) functions as the regulatory body for all aviation related activities in Bangladesh. It is also the aeronautical service provider and is responsible for safe, expeditious and efficient flow of air traffic within the Flight Information Region (FIR) bounded by the International geographic boundary of Bangladesh. The organisation is the custodian of all airfields and allied facilities including air navigation facilities.

Aviation activities in independent Bangladesh started in the last week of December 1971. Over the years the infrastructure and facilities were developed. At present, aviation activities are being carried out from 3 international and 7 domestic airports, about 17 air lines are now operating in and out of the country; about 43 States signed bilateral agreements with Bangladesh.

With regards to air traffic services, CAAB provides air traffic control service to each aircraft flying in the national airspace and moving on maneuvering areas of Bangladesh aerodromes in order to prevent collisions, and to maintain expedite and orderly flow of air traffic. CAAB establishes air routes, and flying, approaching and landing procedures for each route and aerodrome belonging to the country. And finally CAAB makes all necessary arrangements for search and rescue operations in case of accident or missing of any aircraft, and conducts investigations against accidents and unwanted incidents related to aircrafts.

Membership type: Full Member
Managing director: Air Vice Marshal M Naim Hassan
Head office: Kurmitola, Dhaka-1229 Bangladesh
Country: Bangladesh
Telephone number: +88 (02) 891 1400
Fax number: +88 (02) 891 3322
Website: www.caab.gov.bd
The Civil Aviation Authority of Botswana (“CAAB”) is a Statutory Corporation established under the Civil Aviation Authority Act (CAP 71:04) of 2004. This Act was repealed by the Civil Aviation Act of 2011. CAAB is responsible for, amongst others, the regulation of air transport and enforcement of civil aviation regulations, the provision of air navigation services as well as the operation and development of airports and advising the Government on civil aviation matters.

The CAA Act stipulates that the Authority shall perform its functions in accordance with sound commercial and financial principles, and shall ensure as far as possible, that its revenue is sufficient to meet the expenditure properly chargeable to its revenues.

CAAB’s vision is “To be a world – class provider of safe, secure and efficient aviation services” and its mission is “To provide efficient and effective aviation services to our customers through continuous development of the aviation industry in Botswana.”

Membership type: Full Member
Managing director: Mr. Olefile Moakofi
Head office: Plot 61920, Letsema Office Park, Fairgrounds, P O Box 250, Gaborone, Botswana
Country: Botswana
Telephone number: +267 368 8200
Fax number: +267 391 3121
E-mail: caab@caab.co.bw
Website: www.caab.co.bw
Civil Aviation Authority of Mongolia (CAA Mongolia) is the air navigation services provider and civil aviation authority responsible for the provision of air service regulations and infrastructure in the Ulaanbaatar Flight Information Region (FIR).

**MISSION**

To provide safe, efficient and sustainable civil aviation services.

**ACTION STRATEGIC OBJECTIVES**

The strategic objective of the Civil Aviation Authority is to:

- Improve the legal environment of the civil aviation sector;
- To implement professional control and coordination in civil aviation activities;
- Improve the quality and accessibility of air navigation services;
- Improve the quality and accessibility of airport services;
- Implement policies and regulations aimed at developing air transport;
- Introduce a system for planning, preparing, training and capacity building of the sector, and providing administrative and human resource management;
- Internal auditing, auditing, monitoring and evaluation of implementation of laws, policies and programs;
- To spend the budget efficiently in accordance with established procedures;
- Improve the efficiency of investment.

Membership type: Full Member
Managing director: Mr. Erdenebileg Tserenchimed
Head office: Buyant-Ukhaa, Khan-Uul District, Ulaanbaatar-17120
Country: Mongolia
Telephone number: +976 11 282 051
Fax number: +976 11 282 102
Website: [www.mcaa.gov.mn](http://www.mcaa.gov.mn)
Civil Aviation Authority of Nepal (CAAN) was established as an autonomous body on 31st December 1998 under Civil Aviation Act 1996. CAAN has been set up with the objective of ensuring aviation which is safe, secure, efficient, regular and environmentally sustainable. It has dual functions: regulator as well as air navigation service provider (ANSP).

Membership type: Full Member
Managing director: Mr. Sanjiv Gautam
Head office: Babar Mahal, Kathmandu, Nepal
Country: Nepal
Telephone number: +977 1 426 2326
Fax number: +977 1 426 2516
Website: [www.caanepal.org.np](http://www.caanepal.org.np)
Civil Aviation Authority of Singapore (CAAS)

The Civil Aviation Authority of Singapore (CAAS) is a statutory board under the Ministry of Transport. Among other areas, it provides air navigation services in the Singapore Flight Information Region and the Singapore Changi Airport. It represents the government of Singapore on matters related to civil aviation in the country. CAAS also regulates and spearheads the development of civil aviation and plays a role in making Singapore a global air hub.

Our Mission:
To grow a safe, vibrant air hub and civil aviation system, making a key contribution to Singapore's success.

Our Vision:
A leader in civil aviation; a city connecting the world.

| Towers operated:  | 2 |
| Number of ACCs:   | 1 |
| Employees:        | 1,790 |
| Total number of ATCOs: | 251 |
| Total number of operational ATCOs: | 233 |

Membership type: Full Member
Managing director: Mr Kevin Shum Jin-Chyi, Director-General
Head office: Singapore Changi Airport, P O Box 1, Singapore 918141
Country: Singapore
Telephone number: +65 65 421 122
Fax number: +65 65 421 321
E-mail: lim_yung_tzen@caas.gov.sg
Website: www.caas.gov.sg
CANSO Member Directory

Civil Aviation Authority of the Philippines

Organisation Profile:

Mission: To ensure a safe, secure and green Philippine Sky

Vision: To be a pre-eminent Civil Aviation Authority in the world and a global brand of excellence in civil aviation.

Values: Fairness, Integrity, Accountability and Transparency

Principles: “Sovereignty indivisible with National Security.” Reciprocity indivisible with Parity

Dream: The Future is in the Skies

The Civil Aviation Authority of the Philippines was created under the Civil Aviation Authority Act of 2008. On March 4, 2008, Republic Act No. 9497 renamed the “Air Transportation Office” which is a line agency of the Department of Transportation and Communications to “Civil Aviation Authority of the Philippines” headed by the Director General of Civil Aviation.

CAAP is responsible for the regulation of civil aviation in the Philippines. The CAAP offices that perform the regulation functions are Flight Standard and Inspectorate Service (FSIS) and Aerodrome and Air Navigation Services Oversight Office (AANSOO).

CAAP provides air navigation service in Manila Flight Information Region. The Air Traffic Management services are provided by the Air Traffic Service (ATS) and the Operation and Maintenance of Communication, Navigation and Surveillance Systems and Equipment's is done by Air Navigation Service (ANS).

CAAP also operate and maintain 80 out of 86 airports nationwide and performs oversight functions to the six airports manages by separate authorities. The office who performs the supervisions of the 80 airports is the Aerodrome Development Management Service (ADMS).

Membership type: Full Member
Managing director: Captain Jim C. Sydiongco
Head office: Old MIA Road 1300 Pasay City The Philippines
Country: The Philippines
Telephone number: +632 879 9105
Fax number: +632 879 9101
E-mail: odg.caap@gmail.com
Website: www.caap.gov.ph
Civil Aviation Department (CAD Hong Kong)

The Civil Aviation Department (CAD) of the Government of the Hong Kong Special Administrative Region (HKSAR) is an air navigation service provider responsible for the provision of safe, orderly and efficient air traffic services to all aircraft operating in and out of the Hong Kong International Airport and within the Hong Kong Flight Information Region (HK FIR). The HK FIR covers a total area of 276,000 square kilometers extending over the South China Sea. CAD also serves as a regulator to exercise safety and security oversight on civil aviation activities as well as airport operations in respect of flight operations and airworthiness, aerodrome operations, aviation security, air traffic management and ATC systems.

Our Vision
CAD is committed to a safe, efficient and sustainable air transport system.

Our Mission
Positioning Hong Kong as a leading center of international and regional aviation.

Membership type: Full Member
Membership status: Full Member
Managing director: Mr. Simon Li
Head office: Civil Aviation Department Headquarters, 1 Tung Fai Road Hong Kong International Airport, Lantau Hong Kong - China
Country: China
Telephone number: +852 2910 6350
Fax number: +852 2910 6351
E-mail: enquiry@cad.gov.hk
Website: http://www.cad.gov.hk
COCESNA is a non-profit and public service organisation of Central American Integration with legal status and financial autonomy. It was established on February 26th 1960 as a result of an agreement between five Central American countries (Costa Rica, Honduras, Guatemala, El Salvador and Nicaragua); Belize acceded to COCESNA in 1995. It holds exclusive rights for the provision of air traffic services, aeronautical telecommunications, navaids and aeronautical information for the territories of the Member States and contracting parties.

COCESNA's cooperative endeavour has significantly reduced the cost of providing such services and proved successful in meeting the demand for regional development and technological progress of aviation.

In October 1976, the 11th Edward Warner Award, ICAO's highest honour, was conferred upon COCESNA for its contribution to the provision of efficient and coordinated air navigation and communication services that have remarkably increased the safety of international flights in the Central American region.

Membership type: Full Member
Membership status: Full
Managing director: Mr. Jorge Antonio Vargas Araya
Head office: Blvd. Comunidad Economica Europea, P.O. Box 660, Tegucigalpa, Honduras
Country: Honduras
Telephone number: +504 2275 7090
Fax number: +504 2234 2550
Website: www.cocesna.org
Croatia Control Ltd (CCL) is a State-owned limited liability company providing air navigation services, pursuing the basic principle of a high level of air traffic safety. In compliance with the Single European Sky framework, CCL has been certified for the provision of ATS, CNS, AIS and MET services. CCL is also responsible for ANS provision to the military flights in Croatian airspace.

270 air traffic controllers (ATCO) work at the Area Control Centre Zagreb (ACC) and the Approach / Tower units.

In 2016 there were more than 533,000 IFR General Air traffic (GAT) flight movements in the area of responsibility of CCL, with over 70,000 VFR and military movements in addition.

CCL is an active promoter of regional integration and co-operation within SES, and also participates in COOPANS, FAB CE, Gate One, SESAR Deployment Manager, SESAR Joint Undertaking and other associations.

In February 2014 CCL launched a new ATM system based on the COOPANS harmonisation achievements. The operating software is based on the Thales TopSky system and was applied by seven ATC centres in five European countries. It ensures CCL’s permanent harmonisation with the EU standards and competitiveness on the European market of ANS.

Following the idea of the FAB initiative to enhance performance, in 2016 CCL achieved all objectives under the FAB CE Performance Plan.

No. of Towers Operated: 10
No. of ACCs: 1
No. of Employees: 730
Total Licenced ATCOs: 270
ATCO Trainees: 33 (status Q1/2017)

Membership type: Full Member
Managing director: Mr. Vlado Bagarić
Head office: Rudolfa Fizira 2, 10410 Velika Gorica, Croatia
Country: Croatia
Telephone number: +385 (1) 625 9400
Fax number: +385 (1) 622 8101
Website: www.crocontrol.hr
DCA, Myanmar is a governmental organization subordinate to the Ministry of Transport, the Republic of the Union of Myanmar. It provides Air Navigation Services in Yangon FIR. The main responsibilities of Air Navigation Services are to provide air traffic control, air navigation, aeronautical information and aeronautical telecommunication for international and domestic aircraft inside Yangon FIR.

Provision of Air Navigation Services under DCA, Myanmar currently has 237 ATCOs to operate one Area Control Center, 3 approach control units and 32 aerodrome control towers. DCA, Myanmar also operates and maintains nationwide communication, surveillance, navigation and aeronautical information networks.

**Facilities & Human Resources:**

<table>
<thead>
<tr>
<th>Facilities</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Towers</td>
<td>32</td>
</tr>
<tr>
<td>ACCs</td>
<td>1</td>
</tr>
<tr>
<td>Approach Control Units</td>
<td>3</td>
</tr>
<tr>
<td>Employees</td>
<td>1,605</td>
</tr>
<tr>
<td>Total no. of ATCOs</td>
<td>237</td>
</tr>
<tr>
<td>Total no. of Operational ATCOs</td>
<td>147</td>
</tr>
</tbody>
</table>

Membership type: Full Member
Managing director: Mr. Min Lwin
Head office: Airport Road Mingaladon Township Yangon 11021, The Republic of the Union of Myanmar
Country: The Republic of the Union of Myanmar
Telephone number: +951 533 015
Fax number: +951 533 016
Website: [www.dca.gov.mm](http://www.dca.gov.mm)
The Department of Airspace Control (DECEA) is a governmental organisation, subordinate to the Brazilian Air Force, that includes human resources, equipment, systems and infrastructure, responsible for the air traffic control and airspace defence.

The organisation is in charge of a considerable portion of airspace, which exceeds Brazilian 8.5 million square kilometres of territory, reaching the Atlantic Ocean to make up 22 million square kilometres of airspace in its liability. In this way, makes available services such as Aeronautical Information System, Air Traffic Management, Aeronautical Telecommunication, Aeronautical Cartography, Aeronautical Meteorology, Flight Inspection and Search and Rescue.

In a daily basis, more than 12,000 employees carry out multiple activities distributed in 5 Area Control Centres (ACC), 42 Approach Controls (APP), 58 Air Traffic Control Towers (TWR), in addition to more than 900 Navaids.

DECEA has an integrated civilian and military purpose. Accordingly, its mission is to manage and control the air traffic as well as to guarantee the defence of the Brazilian airspace. Therefore, this integration has been conceived to support military and civil operations, resulting in a significant economy of means and resources.

The same communications, navigation and surveillance means are applied to provide air traffic control services and air defence, enabling the country to save resources and to serve both Air Force operational requirements - complying with the rules set by the Brazilian Airspace Defence Command - and the duties to ICAO, satisfying all the annexes referring to air traffic.

### Membership Information

<table>
<thead>
<tr>
<th>Type</th>
<th>Full Member</th>
</tr>
</thead>
<tbody>
<tr>
<td>Managing Director</td>
<td>Lieutenant-Brigadier Jeferson Domingues de Freitas</td>
</tr>
<tr>
<td>Head office</td>
<td>Av. General Justo, 160 5th Floor Rio de Janeiro - RJ Brazil CEP 20021-130</td>
</tr>
<tr>
<td>Country</td>
<td>Brazil</td>
</tr>
<tr>
<td>Telephone number</td>
<td>+55 21 2101 6201</td>
</tr>
<tr>
<td>Fax number</td>
<td>+55 21 2101 6371</td>
</tr>
<tr>
<td>E-mail</td>
<td><a href="mailto:sectdgcea@decea.gov.br">sectdgcea@decea.gov.br</a></td>
</tr>
<tr>
<td>Website</td>
<td><a href="http://www.decea.gov.br">www.decea.gov.br</a></td>
</tr>
</tbody>
</table>

| No. of Towers Operated      | 58 |
| No. of ACCs                 | 5  |
| No. of Employees            | 12,544 |
| Total number of ATCOs       | 3,512 |
| Total number of operational ATCOs | 3,512 |
The Department of Civil Aviation (DCA) is responsible for the provision and regulation of Air Traffic services in the Nicosia Flight Information Region and the control towers at Larnaca and Paphos airports, the development and operation of the country's airports and the development of air transport services with third countries. Safety and Security Regulation and the implementation of European Law on air transport are also among the main activities of the Department.

With the accession of Cyprus to the European Union, the new Civil Aviation Law N.213 (I) 2002, which is fully harmonised with the acquis communautaire on Air transport, entered into force. The adoption and implementation of the acquis is a continuous process therefore the DCA follows closely the developments in the EU so that it implements new Regulations and Directives expediently and effectively. Since the air transport environment is dynamic and there is a change in Regulation, the Department follows closely the development on this matter.

The liberalisation of Air Services for routes within the Community has been one of the major changes that came about with the accession to the EU. Despite the short period since accession, the benefits to the customer are already evident and are manifested lower fares and increased choices of routes and carriers.

The process of modernising Cyprus’ airports has proceeded with the selection of the private consortium, Hermes Airports, which has taken over the development and operation of the new airports under a B.O.T project (Build, Operate, Transfer) for a period of 25 years. In the meantime the consortium will also operate the existing facilities, which have already undergone improvements, until construction of the new airports is completed.

| Towers:     | 2  |
| ACCs:       | 1  |
| Employees:  | 300|
| Total ATCOs:| 110|
| Total operational ATCOs: | 100|

Membership type: Full Member
Managing director: Mr. Iacovos Demetriou
Head office: 27 Pindarou Str. Nicosia 1060 Cyprus
Country: Cyprus
Telephone number: +357 2240 4102
Fax number: +357 2240 4220
E-mail: director@dca.mcw.gov.cy
Website: www.mcw.gov.cy/dca
DFS Deutsche Flugsicherung GmbH

DFS is a State-owned company under private law and has 5,900 employees. Founded in 1993, DFS Deutsche Flugsicherung GmbH is the successor to the Federal Administration of Air Navigation Services, a government authority which had existed for 39 years. To do this, the German Bundestag had to change the German Constitution and the German Aviation Act. Since January 1993, DFS has been controlling air traffic in Germany.

Staff coordinate approximately 10,000 aircraft movements in German airspace every day, and about 3 million movements per year. Germany has the highest traffic volume in Europe. DFS operates control centres in Langen, Bremen, Karlsruhe and Munich. In addition, DFS staff work in the control towers of the 16 international airports in Germany, as well as at the Eurocontrol Centre in Maastricht, the Netherlands. DFS provides training and consultancy services around the world and develops and sells air traffic control, surveillance and navigation systems. The business units of DFS Deutsche Flugsicherung GmbH have to perform a number of different tasks.

Controlling air traffic from the towers and control centres is the core business of the German air navigation services. Apart from performing day-to-day activities, DFS also develops air traffic management systems, surveillance systems as well as navigation aids. DFS compiles flight-related data and uses it for its products and services, such as aeronautical maps and charts and its preflight information service. In its Academy, DFS trains a large number of new air traffic controllers every year. In addition, DFS shares its know-how with other companies by providing consultancy services.

| No. of Towers Operated: | 16 |
| No. of ACCs/UACs: | 4 |
| No. of Employees: | 5,938 |
| Total number of operational ATCOs: | 1,716 |

Membership type: Full Member
Managing director: Prof. Klaus-Dieter Scheurle
Head office: Am DFS-Campus 10 63225 Langen
Country: Germany
Telephone number: +49 (6103) 7070
Fax number: +49 (6103) 7071 396
E-mail: info@dfs.de
Website: www.dfs.de
Dirección General de Control de Tránsito Aéreo (DGCTA) provides tower services in Argentina.

Membership type: Full Member
Managing director: Brig. Jose Alberto Palermo
Head office: Pedro Zanni 250, 4° piso Basamento, C1104AXF, Buenos Aires
Country: Argentina
Telephone number: +54 (0)11 4317 6000
Fax number: +54 (0)11 4317 6000
DSNA provides air navigation services (ATS, CNS, AIS) through five area control centres and twelve regional divisions.

The ACCs are located at Athis-Mons (Paris ACC), Reims, Aix-en-Provence (Marseille ACC), Bordeaux and Brest. The nine regional divisions located in the mainland manage 76 airports, and the three regional divisions located overseas manage six airports and one overseas ACC in Guyana (Central America). DSNA also operates two airports (Tahiti, Nouméa) and one overseas ACC (French Polynesia) in French overseas territories.

The French air navigation services controlled 3,015,153 flights in 2016, a 4.4 percent increase compared with 2015. Absolute peak day was recorded on July 8th, 2016 when they handled 10,820 flights thus establishing a new Europe-wide record. Previous peak was recorded on July 17th, 2015, with 10,173 flights.

In the framework of the Single European Sky, DSNA is one of the seven ANSPs implementing the Functional Airspace Block Europe Central (FABEC) and is a member of SESAR JU which manages the second phase of the European R&D programme (SESAR 2020).

| No. of towers operated: | 76 |
| No. of ACCs:           | 5 (+2) |
| No. of employees:      | 7,562 |
| Total number of ATCOs: | 3,891 |
| Total number of operational ATCOs: | 3,694 |

Membership type: Full Member
Head office: 50, rue Henri Farman, 75720, Paris Cedex 15 France
Country: France
Telephone number: +33 (1) 5809 4902
Fax number: +33 (1) 5809 4903
E-mail: maurice.georges@aviation-civile.gouv.fr
Website: www.developpement-durable.gouv.fr/-navigation-aerienne-.html
Dutch Caribbean Air Navigation Service Provider (DC-ANSP) was founded as Netherlands Antilles Air Traffic Control (NAATC) which was incorporated in Curaçao on 9 February 2005 and became operational on 1 April 2006 when the former public entity Netherlands Antilles delegated these activities to the Company.

The entity is responsible for the Air Traffic Services within the Curaçao Flight Information Region and operates 2 air traffic control facilities; an Area Control Centre located in Curacao and an Aerodrome Control Tower in Bonaire. DC-ANSP is currently in the process of integrating the HATO Tower personnel into DC-ANSP. We are taking all he necessary measures for this to occur as soon as possible.

There are over 80 people working at DC-ANSP, who are guiding you home safely. They range from air traffic controllers, engineers and technicians, aeronautical reporting officers, training specialists and of course, business support services like IT, training, finance and HR.

After almost eight years, DC-ANSP has not only maintained high quality of safety and efficiency, but has also continuously improved this along with service performance, human resources and organizational development with the ultimate aim to transform ATM performance.

| Towers operated: | 2 |
| ACCs: | 1 |
| Employees: | 82 |
| Total number of ATCOs: | 44 |
| Operational ATCOs: | 44 |

Membership type: Full Member  
Managing director: Mrs. M. Albertus-Verboom  
Head office: Dutch Caribbean Air Navigation Service Provider (DC ANSP) Seru Mahuma z/n (Radar Building), Curaçao  
Country: Curaçao  
Telephone number: +599 (9) 83 93 550  
Fax number: +599 (9) 86 83 012  
E-mail: info@dc-ansp.org
EANA (Empresa Argentina de Navegación) provides an essential public service: management of the Argentine Air Navigation Service. The company’s country-wide network includes 52 aerodromes and airports, plus five regional area control centres.

The establishment of EANA in early 2016 completed the transfer of the Air Navigation Service to civilian management, starting a process whereby resources were regrouped under a single name and key goals of constant innovation, improved staff training, environmental care as well as setting ever higher quality standards.

Empresa Argentina de Navegación (EANA) is a decentralised company owned by the Ministry of Transport of the Argentine Republic, with the Ministry of Defence holding a minority stake.

Our vision

Our vision is to be an Air Navigation Service Provider achieving national as well as international recognition for its constant pursuit of excellence, a highly-competitive spirit founded upon the principles of operational safety and the recognition of the virtues of team work, innovation, creativity, diversity and professional development. Also, we aim to be self-sustained and to plan, organise and develop our service through constant enhancement.

Our challenge

EANA faces a double challenge: to support the strong increase in air traffic Argentina has seen in the last five years as well as to meet projected growth in the near term. Given its key role of facilitator of air traffic growth, EANA is rapidly moving towards implementation of an investment plan and training its staff to meet its present needs.

Membership type: Full Member
Membership status: Full Member
Managing director: Mr Augustin Rodriguez Grellet
Head office: Rivadavia 578, 3nd Piso Buenos Aires, C-100 2 AAQ Argentina
Country: Argentina
Telephone number: +541 143 203 919
ENAIRE is the leader in Spain in the provision of air navigation services and fourth provider of air traffic services in Europe by air traffic volume, at around two million flights every year.

ENAIRE, a public business entity belonging to the Ministry of Public Works, is the sole air navigation manager in Spain approved for the provision of en-route and approach air traffic services.

We control an extensive and complex airspace of more than 2 million km², including a continental area, in the Iberian Peninsula, the Balearic archipelago, Ceuta and Melilla, and Canary Islands.

As we are located geographically in the southwest of Europe, in addition to flights whose origin and destination are Spanish airports, we manage the flights which enter Europe from two continents, America and Africa, and cover the main entry route for air traffic from South America.

ENAIRE is at the cutting edge in research and technology in its sector worldwide and plays an outstanding and active role in all European Union projects to do with the Single Sky.

<table>
<thead>
<tr>
<th>No. of Employees:</th>
<th>3,976</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total No. of ATCOs:</td>
<td>2,010</td>
</tr>
<tr>
<td>Total No. of operational ATCOs:</td>
<td>1,796</td>
</tr>
<tr>
<td>Number of ACCs:</td>
<td>5</td>
</tr>
<tr>
<td>Control towers:</td>
<td>22</td>
</tr>
</tbody>
</table>

Membership type: Full Member
Managing director: Mr. Angel Luis Arias
Head office: c/o Avda. Aragón 402 28022 Madrid Spain
Country: Spain
Telephone number: +34 912 96 75 53
Fax number: +34 91 321 3119
E-mail: comunicacion@enaire.es
Website: www.enaire.es
ENAV S.p.A

ENAV is the Italian air navigation service provider, ensuring safety and reliability 24/7 for the 1.8 million flights handled yearly from the control towers of 45 airports and 4 Area control centres (Roma, Milano, Padua, Brindisi). With a workforce of 4,200, ENAV provides air navigation services to its numerous customers, the airlines that fly over Italian airspace.

ENAV also provides:
- Air traffic services (ATS) including air traffic control service (ATC), flight information service (FIS) and alerting service (ALRS);
- Aeronautical information service and related publications (AIS);
- Meteorological services for air navigation (MET);
- Communication, navigation, surveillance services (CNS);
- Associated supporting services:
  - Airspace management, airspace design and air traffic capacity planning;
  - Flight procedures design and obstacle analysis;
  - ATM system definition, acquisition, operation and maintenance of operational infrastructures;
- Flight inspection services of radio nav-aids, broadcasting and surveillance systems for Air Traffic Services;
- Training of ATM personnel

Long considered among the European “big five” for operating performance and innovation, ENAV is a key part of the international air traffic management system. Research and development is essential to ENAV, which is why it works with national and international control bodies in the sector. The company is also a major player in the development of the Single European Sky (SES), that aims to harmonise air traffic management throughout the European Union, in order to strengthen continental air transportation safety and efficiency.

<table>
<thead>
<tr>
<th>Membership type: Full Member</th>
</tr>
</thead>
<tbody>
<tr>
<td>Managing director: Mrs. Roberta Neri</td>
</tr>
<tr>
<td>Head office: Via Salaria, 716 00138 Rome</td>
</tr>
<tr>
<td>Country: Italy</td>
</tr>
<tr>
<td>Telephone number: +39 (06) 816 61</td>
</tr>
<tr>
<td>Fax number: +39 (06) 816 62 730</td>
</tr>
<tr>
<td>E-mail: <a href="mailto:comunicazione@enav.it">comunicazione@enav.it</a></td>
</tr>
<tr>
<td>Website: <a href="http://www.enav.it">www.enav.it</a></td>
</tr>
</tbody>
</table>

| No. of Towers Operated: 45 |
| No. of ACCs: 4 |
| No. of Employees: 4,200 |
| Total No. of ATCOs: 1,900 |
Estonian Air Navigation Services (EANS)

EANS’ mission is to provide safe, good quality, environmentally-friendly, internationally competitive, dynamically developing air traffic services as well as to contribute to the National Defence requirements to advocate the sovereignty of the national airspace.

Membership type: Full Member
Managing director: Tanel Rautits
Head office: Kanali Tee põik 3, Rae Küla, Rae vald EE-10112, Harjumaa Estonia
Country: Estonia
Telephone number: +372 625 8230
Fax number: +372 625 8200
E-mail: eans@eans.ee
Website: www.eans.ee

Towers operated: 2
Number of ACCs: 1
Employees: 192
Total number of ATCOs: 78
Total number of operational ATCOs: 78
Federal Aviation Administration (FAA)

The FAA is a federal agency in the U.S. Department of Transportation. The Air Traffic Organization is the service provision branch of the FAA and is responsible for moving air traffic safely and efficiently. Our customers are commercial and private aviation and the military. Our employees are the service providers: the 34,000 controllers, technicians, engineers and support personnel whose daily efforts keep the airplanes moving.  

Mission:

The FAA/ATO mission is to provide a safe, efficient, responsive air transportation system that serves the Nation and supports the global aviation community.

Vision:

Give the world new ways to fly – through people, technology and innovation.

<table>
<thead>
<tr>
<th>No. of Towers Operated:</th>
<th>512</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of ACCs:</td>
<td>21</td>
</tr>
<tr>
<td>No. of ATO Employees:</td>
<td>34,911</td>
</tr>
<tr>
<td>Total number of ATCOs:</td>
<td>18,001</td>
</tr>
<tr>
<td>Total number of operational ATCOs:</td>
<td>18,001</td>
</tr>
</tbody>
</table>

Membership type: Full Member  
Head office: 800 Independence Ave, SW Washington DC, 20591  
Country: United States of America  
Telephone number: +1 (866) 835 5322  
Fax number: +1 (202) 267 3505  
Website: [www.faa.gov](http://www.faa.gov)  
Website 2: [www.faa.gov/contact](http://www.faa.gov/contact)
The Ghana Civil Aviation Authority (GCAA) is the regulatory agency of the Republic of Ghana for air transportation in the country.

It also provides air navigation services within the Accra Flight Information Region (FIR), which comprises the airspace over the Republics of Ghana, Togo and Benin and a large area over the Atlantic Ocean in the Gulf of Guinea.

The GCAA was established in 1930 as a unit with Public Works Department (PWD); in 1953 GCAA was granted Departmental Status. It became an Authority under PNDC Law 151 from 16th May, 1986. In the year 2004 the GCAA Act was enacted to replace PNDC Law 151.

The Civil Aviation Act, Act 678 of November 2004 provides for the establishment of a Civil Aviation Authority, which will focus on the core functions of Airspace management and Safety Regulations whilst allowing for a different organization to handle Airport development and operations.

Pursuant to the above, the GCAA was restructured into two bodies, that is, the new GHANA Civil Aviation Authority (GCAA) and the Ghana Airports Company Limited (GACL) on 1st January, 2007.

Membership type: Full Member
Managing director: Air Core Kwame Mamphey
Head office: PMB Kotoka International Airport, Accra, Ghana
Country: Ghana
Telephone number: +233 302 776 171 / 777 320
Fax number: +233 302 773 293
E-mail: info@gcaa.com.gh
Website: www.gcaa.com.gh
HungaroControl is a 100% state-owned enterprise providing air navigation services in Hungary’s airspace and offering basic and advanced training for air traffic control personnel. The company’s mission is to maintain safe and reliable service in an efficient, customer-oriented, cost-effective and transparent manner.

HungaroControl operates a state-of-the-art control centre in Budapest. Its Centre of Research, Development and Simulation (CRDS) has Central Europe’s largest advanced ATC simulation facility, and the company provides basic ATCO training at the Entry Point Central ATS Academy, a joint venture with Scandinavian partners.

Its world-class technology makes HungaroControl into one of the most efficient and most reliable air navigation service providers of Central Europe - and the work of its highly trained professionals has earned worldwide recognition. Moreover, HungaroControl also has remarkable traditions in training, simulation, and research and development, on the basis of which, in cooperation with its professional partners, intends to create Central Europe’s dynamically developing air navigation knowledge centre in Budapest in the coming years.

HungaroControl is an active promoter of regional integration and cooperation within the Single European Sky. The Company’s strategic aim is to create efficient and market-driven bilateral and multilateral collaborations offering added value, without institutional constraints and along the lines of shared interests. This includes HungaroControl’s active participation in FAB CE, Gate One and JSPA.

Membership type: Full Member
Managing director: Mr. Kornel Szepessy
Head office: H-1675 Budapest, POB 80 Hungary
Country: Hungary
Telephone number: +361 293 4444
Fax number: +361 293 4343
E-mail: info@hungarocontrol.hu
Website: en.hungarocontrol.hu
The Dominican Republic Civil Aviation Institute (IDAC) is the civil aviation authority of the Dominican Republic. It was a founding member state of the International Civil Aviation Organization (ICAO). IDAC is an autonomous State agency that regulates and promotes civil aviation in the Dominican Republic; it is the air navigation service provider, contributing to the economic development of the nation.

The Air Navigation Directorate (DINA), is responsible for the provision of air navigation services in the Santo Domingo Flight Information Region, managing the air traffic services, the aeronautical information and the CNS components, with a high level of safety, supported by the implementation of a safety management system in all air navigation services, in compliance with our national regulations (RAD-110) and ICAO Annex 19.

The services offered by DINA are aimed at air navigation system users, such as airports, commercial airlines, general and military aviation, which perform air operations, arriving, departing or overflying the airspace, and to all those that require aeronautical information about the Dominican Republic. DINA establishes policies, procedures and methods to ensure compliance with national and international regulations, and manages the necessary resources for the efficient provision of air navigation services. IDAC is committed to improving established standards, complying with current regulations to raise the quality and safety levels of air navigation services, and contributing to the development of the thriving tourism industry, the main economic activity of the Dominican Republic.

Number of ACCs: 1
Number of TRACON: 1
Number of Towers Operated: 9
Total number of ATCOs: 350
Total number of operational ATCOs: 310

Membership type: Full Member
Managing director: Mr. Alejandro Herrera
Head office: Ave. Mexico Esq. 30 de Marzo, Gazcue, 10216 Dominican Republic
Country: Dominican Republic
Telephone number: +1 809 221 7909 and +1 809 274 4322
Fax number: +1 809 221 8616
E-mail: info@idac.gov.do
Website: www.idac.gob.do
The Irish Aviation Authority (IAA) was established as a commercial state-sponsored body on 1 January 1994 under the Irish Aviation Authority Act, 1993 and employs approximately 650 people at six locations around Ireland. It is responsible for the provision of air traffic management services in Irish controlled airspace (covering some 451,000 square km) and the safety and security regulation of the Irish civil aviation industry.

The ATM Operations & Strategy Directorate of the Irish Aviation Authority provides air traffic management services in airspace controlled by Ireland.

- IAA Air Traffic Management services include:
  - Air traffic control
  - ATC Flight Information
  - Aeronautical information
  - North Atlantic Communications

IAA Safety regulatory services include:
- Aircraft airworthiness certification and registration
- Licensing of personnel and organisations involved in aircraft maintenance
- Licensing of pilots, air traffic controllers and aerodromes
- The approval and surveillance of air carrier operating standards.

The oversight of civil aviation security involves inspections and audits of airports, air carriers, cargo companies, airport suppliers and suppliers of in-flight services.

The IAA ensures that Irish civil aviation operates to safety standards set internationally, principally by the International Civil Aviation Organization (ICAO), European Joint Aviation Authorities (JAA), Eurocontrol, The European Civil Aviation Conference (ECAC), The European Aviation Safety Agency (EASA), and the European Union.

The IAA became a shareholder in Entry Point North in December 2013 in partnership with Naviair (Denmark), LFV (Sweden) and Avinor (Norway).

The IAA receives no State funding. Its revenues are generated through charges and fees raised from its airline customers and regulatory clients in respect of its operational and regulatory activities.

<table>
<thead>
<tr>
<th>Towers operated</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of ACCs</td>
<td>2</td>
</tr>
<tr>
<td>Employees</td>
<td>642</td>
</tr>
<tr>
<td>Total number of ATCOs</td>
<td>289</td>
</tr>
<tr>
<td>Total number of operational ATCOs</td>
<td>253</td>
</tr>
</tbody>
</table>

Membership type: Full Member
Managing director: Mr. Peter Kearney
Head office: Irish Aviation Authority, The Times Building, 11-12 D’Olier Street, Dublin 2, Ireland
Country: Ireland
Telephone number: +353 16 031 500
Fax number: +353 61 366 097
E-mail: info@iaa.ie
Website: www.iaa.ie
ISAVIA Ltd

ISAVIA is a state limited company that is responsible for operating Air Navigation Services and Airports in Iceland including Airport terminals. The CEO of ISAVIA is Mr. Björn Ó. Hauksson. ISAVIA ANS is run functionally separate from the Airports and terminals.

The mission of ISAVIA ANS is to ensure that safe and reliable air navigation services are provided for a very large oceanic control area that extends over Reykjavik FIR and a large part of the Sondrestrom FIR. The total control area exceeds 5 million sq. km. and is one of the largest of its kind in the world.

The company operates a highly modern Area Control Center located at Reykjavik Airport in addition to the required communications infrastructure that provides continuous connectivity with aircraft over the high seas as well as on domestic routes over Iceland. Radar surveillance is available in an area extending from Scotland to Greenland across Iceland and the Fareo Islands.

Long-range communications are provided by Iceland Air Radio a division of ISAVIA ANS, that operates a system of High Frequency and VHF facilities in addition to an AFTN/CIDIN switching node.

In addition to these services ISAVIA ANS operates Control Towers and Approach Services at Iceland’s 3 Controlled Airports and supports the CNS infrastructure on all airports in Iceland.

| Membership type: Full Member |
| No. of Towers Operated: 3 |
| Managing director: Ásgeir Pálsson |
| No. of ACCs: 1 |
| Head office: Reykjavik Airport, 101 Reykjavik, Iceland |
| No. of Employees: 225 |
| Country: Iceland |
| Total No. of ATCOs: 106 |
| Telephone number: +354 (424) 4118 |
| Total No. of Operational ATCOs: 94 |
| Fax number: +354 (562) 4599 |
| Website: www.isavia.is |
Japan Air Navigation Service (JANS) is a governmental agency in the Ministry of Land, Infrastructure, Transport and Tourism. JANS is the service provision branch of Civil Aviation Bureau of Japan (JCAB) and provides air navigation services within the Fukuoka Flight Information Region (FIR). Our Organization provides a wide range of air navigation services such as ATS, CNS, AIS, flight procedures design, HF communication, flight inspection, visual aids, and aeronautical satellite operation.

Fukuoka FIR is the only FIR in which JANS is responsible for providing these services. It consists of a vast inland airspace and huge oceanic airspace with an average of about 4800 flights daily in 2016.

Recognizing that air navigation services are a fundamental infrastructure for any state’s social and economical development, JANS continues to enhance the safety, capacity and efficiency of air traffic, taking into account both environmental impact and cost-effectiveness.

<table>
<thead>
<tr>
<th>No. of Annual IFR Movements* 2016:</th>
<th>1,753,477</th>
</tr>
</thead>
<tbody>
<tr>
<td>*IFR Movements include: International Arrivals + International Departures + Domestic + Overflights</td>
<td></td>
</tr>
<tr>
<td>Aerodrome Control Service (TWR):</td>
<td>33</td>
</tr>
<tr>
<td>(*not including military operated tower)</td>
<td></td>
</tr>
<tr>
<td>Approach Control Service:</td>
<td>14</td>
</tr>
<tr>
<td>(*not included military operated approach)</td>
<td></td>
</tr>
<tr>
<td>Aerodrome Flight Information Service:</td>
<td>13</td>
</tr>
<tr>
<td>Remote Aerodrome Flight Information Service:</td>
<td>37</td>
</tr>
<tr>
<td>No. of ACCs:</td>
<td>4</td>
</tr>
<tr>
<td>No. of ATS Employees:</td>
<td>4,050</td>
</tr>
<tr>
<td>Total number of Operational ATCOs:</td>
<td>1,933</td>
</tr>
</tbody>
</table>

Membership type: Full Member
Managing director: Mr. Yasuhiro Iijima
Head office: 2-1-3, Kasumigaseki, Chiyoda-ku, Tokyo, 100-8918 Japan
Country: Japan
Telephone number: +81 (3) 5253 8111
Fax number: +81 (3) 5253 1656
The overriding priority of Kazaeronavigatsia, the Republic of Kazakhstan’s National Air Navigation Services Provider (ANSP), is rendering a safe service over the 2.7 million square kilometers of controlled airspace through 88 international air routes handling traffic flows from South-East Asia and China to Europe.

The 2012 is vital for finalising the creation of the National ATM System which will consist of three consolidated ATC centers: Astana, Aktobe and Almaty. This also includes transition of air traffic control from all of 15 remote control towers which will be a part of ATC Centers. The national system will enable to form seamless airspace over entire Kazakhstan territory on a single hardware and software.

The new National ATM System is based on communications and data link network. The need in development of own reserved communication network was attributed to large distances between navigation units, sparse population and technical backwardness of many remote communities in the Republic. Kazaeronavigatsia has built a digital data transmission network between all navigation units of Kazakhstan including ground and satellite segments of data links with automatic selection of correct path.

Given the challenges that interoperability, cooperation and partnership will bring as a result of air navigation services providers actions, our company continues to optimise air navigation infrastructure based on the experience of deployment of the most advanced and leading-edge technologies enabling procedures harmonisation, improvement of effectiveness and environment protection, achievement of interoperability with the global ATM system.

No. of Towers Operated: 18
No. of ACCs: 4
No. of Employees: 2,186
Total number of ATCOs: 753
Total number of operational ATCOs: 591

Membership type: Full Member
Managing director: Mr. Almatbek Mambetov
Head office: Kabanbay Batyr dangyly 119, “Esil” audany, 010014 Astana The Republic of Kazakhstan
Country: The Republic of Kazakhstan
Telephone number: +7 (7172) 773 404
Fax number: +7 (7172) 773 566
E-mail: office@ans.kz
Website: www.ans.kz
Kenya Civil Aviation Authority (KCAA) was established on 24th October 2002 by the Civil Aviation (Amendment) Act, 2002 with the following primary functions:

- Regulation and oversight of Aviation safety & Security
- Economic regulation of Air services and development of Civil Aviation
- Provision of Air Navigation Services
- Training of Aviation personnel

KCAA operations are guided by the provisions of the convention on international civil aviation and the related ICAO Standards And Recommended Practices (SARPs) and the Kenya civil Aviation Act, Cap 394, the civil aviation regulations, procedure and practices.

**Mandate**

To plan, develop, manage, regulate and operate a safe, economically sustainable and efficient civil aviation system in Kenya, in accordance with the provisions of the civil aviation Act, Cap 394.

**Vision**

To be a model of excellence in civil aviation.

**Mission**

To develop, regulate and manage a safe, efficient and effective civil aviation system in Kenya.

**Strategic Objectives**

- Achieve an effective and sustainable safety and security oversight system.
- Develop an effective and sustainable air transport system.
- Ensure safe, orderly and expeditious flow of air traffic.
- Attract and retain competent, motivated and performance driven human capital.
- To be a financially sustainable Authority.
- Enhancement of Customer Service
- Establish an international aviation training centre of excellence

Membership type: Full Member
Managing director: Capt. Gilbert M. Kibe
Head office: P.O. Box 20163, Nairobi 00100 Kenya
Country: Kenya
Telephone number: +254 (20) 827 475 / +254 (20) 827 470
Fax number: +254 (20) 822 300 / +254 (20) 827 808
E-mail: info@kcaa.or.ke
Website: www.kcaa.or.ke
Latvijas Gaisa Satiksme (LGS)

The main goal of the State Joint Stock Company Latvijas Gaisa Satiksme (LGS) is to provide airspace users with effective and reliable air navigation services maintaining the required flight safety as a high priority task.

As an enterprise operating in the field of civil aviation, LGS is subject to the Ministry of Transport of the Republic of Latvia.

LGS provides air navigation services to customers in an open and transparent manner. Flight safety and customer satisfaction are the main focuses of the Company. LGS provides all airspace users with equal quality services.

Air navigation charges are the main revenue source, as LGS does not receive any financing from the State budget.

LGS was founded in 1991 as an Air Navigation Services Enterprise with 100% state ownership.

<table>
<thead>
<tr>
<th>Towers operated:</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCs:</td>
<td>1</td>
</tr>
<tr>
<td>Employees:</td>
<td>354</td>
</tr>
<tr>
<td>Total number of ATCOs:</td>
<td>125</td>
</tr>
<tr>
<td>Operational ATCOs:</td>
<td>77</td>
</tr>
</tbody>
</table>

Membership type: Full Member
Managing director: Davids Taurins
Head office: LGS, International Airport, Riga LV-1053, Latvia
Country: Latvia
Telephone number: +371 67 300 950
Fax number: +371 67 300 970
E-mail: lgs@lgs.lv
Website: www.lgs.lv
Letové prevádzkové služby (LPS SR, š. p.)

LPS is an air navigation services provider within the Slovak airspace and at assigned international aerodromes. It is the holder of the Certificate pursuant to the Regulation of the European Parliament and of the Council (EC) 550/2004 in the field of ATS, CNS and AIS. In addition, under authority of the Ministry of Transport, Posts and Telecommunications, LPS is charged with the organisation of Search and Rescue service. LPS provides all services in line with ICAO and national rules.

Moreover, the Safety Management System and Quality Management System are implemented throughout the company. The service provision is supported by the state-of-the-art ATM technologies including advanced communication, navigation and surveillance systems.

LPS is one of the participants working on joint implementation plan for establishment and operation of a functional airspace block in the upper and lower airspace of seven countries (FAB CE).

The mission of LPS is stated in the Strategic Business Plan: “Constantly improve the safety, expeditiousness and orderly flow of air traffic with the minimum possible costs, paying due respect and protection to air passengers and to the environment.”

<table>
<thead>
<tr>
<th>Statistic</th>
<th>Value</th>
</tr>
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<tbody>
<tr>
<td>No. of Towers Operated</td>
<td>5</td>
</tr>
<tr>
<td>No. of ACCs</td>
<td>1</td>
</tr>
<tr>
<td>No. of Employees</td>
<td>497</td>
</tr>
<tr>
<td>Total number of ATCOs</td>
<td>122</td>
</tr>
<tr>
<td>Total number of Operational ATCOs</td>
<td>120</td>
</tr>
</tbody>
</table>

Membership type: Full Member
Managing director: Mr. Blažej Zaujec
Head office: Ivanská cesta 93, 823 07 Bratislava, Slovakia
Country: Slovak Republic
Telephone number: +421 2 4857 2100
Fax number: +421 2 4857 2105
E-mail: info@lps.sk
Website: www.lps.sk
LFV Sweden

LFV is located at 34 airports around the country, including national, municipal, private and military. The company also owns and runs two control centres in Stockholm and Malmö.

The Air Navigation Services (ANS) Division of LFV is responsible for the provision and development of Air Navigation Services in Sweden. We provide ATS, CNS and AIS and task SMHI (Swedish Meteorological and Hydrological Institute) to provide MET. All services, except MET, are provided for both civil and military traffic, as there is no military ANSP in Sweden.

Our Mission Statement, “We support safe, flexible and cost effective Air Navigation Services with the Customer in focus” supports our Vision that is “To be a respected and strong north-European ANSP and thus an attractive partner for other ANSPs”.

The maintenance of high aviation safety must occur in harmony with environmental considerations and efficiency. For that reason, LFV has identified four areas of focus, within which we are working hard to be able to provide world-class air navigation services.

Since 1 July 2012, Swedish LFV and Danish Naviair provide air navigation services in Swedish-Danish airspace through the jointly owned company NUAC. This constitutes a cooperation which falls in line with the EU’s goal of fewer national airspace blocks.

Together with Austria, Croatia, Denmark, Ireland, LFV is also a partner in the COOPANS agreement with Thales ATM. The objective of COOPANS is to facilitate the joint procurement of upgrades to our existing common ATM systems to meet the coming SESAR demands.

LFV is, together with Avinor and Naviair, the owner of “Entry Point North” (EPN), the Nordic ATS Academy.

LFV’s subsidiary, LFV Aviation Consulting sells consultancy services within civil aviation all over the world.

| Towers operated: | 34 |
| Number of ACCs: | 2 |
| Employees: | 1,300 |
| Total number of ATCOs: | 750 |
| Total number of operational ATCOs: | 570 |

Membership type: Full Member
Managing director: Ms. Ann Persson Grivas
Head office: SE 601 79 Norrköping
Country: Sweden
Telephone number: +46 11 192 000
Fax number: +46 11 192 640
E-mail: lfv@lfv.se
Website: www.lfv.se
LVNL founds the organisation of its services on a dialogue with all stakeholders, always seeking the optimum balance between conflicting interests and demands. Aiming for result is the key: creating an added value with a favourable costs/benefits relation for the stakeholder.

LVNL wants to operate as an independent, authoritative professional service provider within the aviation sector. Besides, we give a clear substantiation on our position in the complexity of stakeholder demands. Demands pertaining to safety, capacity and environment. A company that openly accounts of its achievements. From this position LVNL works on its future in a rapidly changing world.

| No. of Towers Operated: | 4 |
| No. of ACCs: | 1 |
| No. of Employees: | 894 |
| Total number of ATCOs: | 179 |

Membership type: Full Member  
Managing director: Mr. Michiel van Dorst  
Head office: PO Box 75200 1117 ZT Schiphol Airport Amsterdam the Netherlands  
Country: The Netherlands  
Telephone number: +31 (20) 406 2000  
Fax number: +31 (20) 648 4999  
E-mail: communications@lvnl.nl  
Website: www.lvnl.nl
Lux ANA is a customer-oriented and state-owned enterprise that is reforming its operations and has competent, motivated, and service-oriented personnel.

Lux ANA’s strategy is to respond to the growth in traffic, the demands for cost efficiency and the needs of air traffic within the FABEC community and thus contributing to shape European Air Traffic Management of the future.

Safety is our highest priority and in addition we continuously work to minimise our environmental impact.

| Towers operated: | 1 |
| ACCs:           | 0 |
| Employees:      | 180 |
| Total number of ATCOs: | 48 |
| Total number of operational ATCOs: | 40 |

Membership type: Full Member
Managing director: Mr. John Santurbano
Head office: P.O. Box 273, L-2012 Luxembourg
Country: Luxembourg
Telephone number: +352 4798 22000
E-mail: info@ana.public.lu
Website: www.aeroport.lu
Established on 1st January 1994, Maldives Airports Company (MACL) is a financially and administratively independent state enterprise owned 100% by the Government of Maldives, primarily for the operation, maintenance and development of Male’ International Airport and the provision of air navigation services inside the Male’ Flight Information Region. Under a concession agreement signed between the Government of Maldives and GMR Group of India, the operation, maintenance and development of Male’ International Airport have been transferred to GMR Male International Airport Ltd., with MACL responsible to oversee the terms and enforcement of the agreement by the concessionaire.

Following this change, on 23rd March 2011, the government represented by Ministry of Transport and Communication, formally designated Maldives Airports Company as the sole provider of air navigation services in the Male’ Flight Information Region and at all country within airports, that necessitates the availability of such services under the current Maldives Civil Aviation Regulations.

<table>
<thead>
<tr>
<th>Towers:</th>
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<tbody>
<tr>
<td>ACCs:</td>
<td>1</td>
</tr>
<tr>
<td>Employees:</td>
<td>369</td>
</tr>
<tr>
<td>Total ATCOs:</td>
<td>94</td>
</tr>
<tr>
<td>Operational ATCOs:</td>
<td>88</td>
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</tbody>
</table>

Membership type: Full Member
Managing director: Mr. Adil Moosa
Head office: Corporate Office Hulhule’ 22000 Republic of Maldives
Country: Maldives
Telephone number: +960 333 8800
Fax number: +960 333 1515
E-mail: info@macl.aero
Website: www.macl.aero
Malta Air Traffic Services Ltd (MATS) is the Air Navigation Service Provider for Malta. MATS provides a variety of services primarily aimed at ensuring that aircraft flying in the Malta Flight Information Region (FIR) are safely separated in accordance with international civil aviation regulations.

The task of ensuring safe operations of commercial and private aircraft falls on air traffic controllers. They must coordinate the movements of thousands of aircraft, keep them at safe distances from each other, direct them during takeoff and landing from airports, direct them around bad weather and ensure that traffic flows safely, smoothly and with minimal delays.

<table>
<thead>
<tr>
<th>No. of Towers Operated:</th>
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</thead>
<tbody>
<tr>
<td>No. of ACCs:</td>
<td>1</td>
</tr>
<tr>
<td>No. of Employees:</td>
<td>149</td>
</tr>
<tr>
<td>Total number of ATCOs:</td>
<td>52</td>
</tr>
<tr>
<td>Total number of Operational ATCOs:</td>
<td>52</td>
</tr>
</tbody>
</table>

Membership type: Full Member
Managing director: Dr. Ing. Kenneth Chircop, Chief Executive Officer
Head office: Gate 4, Malta International Airport, Triq tal-Isqof, Mqabba Malta MQB 9057
Country: Malta
Telephone number: +356 23696537
Fax number: +356 23695445
E-mail: atsmalta@maltats.com
Website: www.maltats.com
National Air Navigation Services Company (NANSC)

NANSC – Egypt is one of the leading ANSPs in Africa and the Middle East. A state owned company, it is committed to providing outstanding ATM services within Egyptian airspace, serving 22 airports across the country. Given Egypt’s strategic location, the provision of ATM services in Egyptian airspace helps bridge the three continents of Africa, Europe and Asia.

NANSC is continually evolving to meet the needs of its customers. NANSC runs its own business as well as managing huge projects, such as the modernisation of ATM systems, the construction of a fabulous new control tower, and more, all in a self financing and cost effective manner.

NANSC plays a key role in the Middle East, participating in international organisations including ICAO, CANSO, EUR, AFI, ACAC, and NAFISAT; and has been an associate member in the Blue-Med FAB initiative to extend the Single European Sky concept beyond the geographical boundaries of Europe.

To make full use of aircraft capabilities, Performance-based Navigation procedures have been implemented at the main international airports. NANSC is consistently modernising the CNS/ATM systems to meet the ever-increasing flow of air traffic. With all these initiatives, NANSC spares no effort in achieving the highest level of safety, transforming the aviation industry and meeting our stakeholders' expectations.

| No. Towers Operated: | 22 |
| No. of ACCs: | 1 |
| No. of Employees: | 2,305 |
| Total number of ATCOs: | 770 |
| Total number of operational ATCOs: | 700 |

Membership type: Full Member
Managing director: Mr. Mohamed Abbas
Head office: NANSC Office Building, Cargo Village Rd., Cairo, Egypt
Country: Egypt
Telephone number: +20 (2) 2267 5948 / +20 (2) 2268 0623
Fax number: +20 (2) 2268 0629
E-mail: Mohamed.Abbas@nansceg.net
Website: www.nansceg.net
National Airports Corporation Limited (NACL) is a parastatal company which is 100% owned by the Government of the Republic Of Zambia. It was established in 1989 through the amendment of the Aviation Act and incorporated under the Companies Act Chapter 388 Volume 25 of the Laws of Zambia. The Corporation was established to develop, maintain and manage the four designated international airports, namely Lusaka, Ndola, Livingstone and Mfuwe and provision of air navigation services throughout Zambia.

Air Traffic Control

Separate Aerodrome Control and Approach Control are provided at Lusaka International Airport, while Ndola and Livingstone combine Approach /Aerodrome Control services. Aerodrome control is provided within 10 nautical mile radius of the four designated international airports for arriving and departing aircraft with an upper limit of not above 5000 feet. Approach Control is provided within 50 nautical mile radius of the airports and along busy airways up to FL245 (24,500 feet above mean sea level).

The Lusaka Area Control is responsible for all flights above FL245 on and off ATS routes; All traffic regardless of level outside controlled airspace is provided flight information services by the Area Control Centre. There are five provincial aerodromes at which Airfield Flight Information Service is provided. The aerodromes are operated by the Department of Civil Aviation while equipment is provided by National Airports Corporation Limited (NACL), and these are Chipata, Kasama, Mansa, Mongu, and Solwezi.

<table>
<thead>
<tr>
<th>ACCs:</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employees:</td>
<td>118</td>
</tr>
</tbody>
</table>

Membership type: Full Member  
Managing director: Robinson Misitala  
Head office: Kenneth Kaunda International Airport Box 30175, Lusaka Zambia  
Country: Zambia  
Telephone number: +260 (211) 271 118  
Fax number: +260 (211) 271 118  
Website: [www.nacl.co.zm](http://www.nacl.co.zm)
About NATS

Founded in 1962, NATS is the leading Air Navigation Service Provider in the UK, operating under licence by the UK Civil Aviation Authority and providing services in over 30 countries internationally; including 14 UK airports, Gibraltar airport and, in a joint venture with Ferrovial, a number of airport towers in Spain. NATS provided air traffic control services to over 2.5 million flights in 2017, and continues to operate up to 7,000 flights a day across UK and eastern North Atlantic airspace.

Our Purpose

“Advancing aviation, keeping the skies safe”

NATS is making the skies an even safer and more efficient environment for flying. This means that NATS is making the skies a better place to fly.

Services

Building on its reputation for operational excellence and innovation, NATS offers aerodrome, data, engineering, capacity, efficiency and environmental performance solutions to customers worldwide, including airports, airlines, air traffic service providers and Governments.

No. of Towers Operated:
NATS currently provides services to 14 UK airports and is contracted to work in 9 Spanish airports through its joint venture, FerroNATS.

No. of ACCs: 2
Total number of Employees: 4,216
Total number of ATCOs: 1,670

Membership type: Full Member
Membership status: Full
Managing director: Mr. Martin Rolfe
Head office: Corporate & Technical Centre, 4000 Parkway, Whiteley, Fareham, Hants PO157FL
Country: United Kingdom
Telephone number: +44 (1489) 616 001
Fax number: +44 (1489) 616 406
E-mail: international.relations@nats.co.uk
Website: www.nats.co.uk
NAV CANADA is the private sector owner and operator of Canada’s civil air navigation system, covering Canadian domestic airspace and the Western half of the North Atlantic assigned to Canada by ICAO.

NAV CANADA’s operation facilities across the country include 7 area control centres, 41 control towers, 55 flight service stations, 8 flight information centres, 31 maintenance centres and 51 community aerodrome radio stations providing weather information in Canada’s North. Facilities are supported by a network of over 1,000 ground-based aids to navigation including 42 radar sites, 16 ADS-B sites across the country and in Greenland as well as over 140 multilateration sites.

Membership type: Full Member
Managing director: Neil Wilson
Head office: 77 Metcalfe St., Ottawa, ON K1P 5L6 Canada
Country: Canada
Telephone number: +1 (613) 563 5588
Fax number: +1 (877) 663 6656
E-mail: service@navcanada.ca
Website: www.navcanada.ca

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<tr>
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</thead>
<tbody>
<tr>
<td>No. of Towers operated:</td>
<td>41</td>
</tr>
<tr>
<td>No. of ACCs:</td>
<td>7</td>
</tr>
<tr>
<td>No. of Employees:</td>
<td>4,811</td>
</tr>
<tr>
<td>Total No. of ATCOs:</td>
<td>1,870</td>
</tr>
<tr>
<td>Total No. of operational ATCOs:</td>
<td>1,622</td>
</tr>
</tbody>
</table>
NAV Portugal

NAV Portugal’s main mission is to provide air traffic services in the flight information regions (FIR) under Portuguese responsibility – Lisbon and Santa Maria - ensuring that national and international regulations are fulfilled within the best safety conditions, optimising capacities, emphasizing efficiency and upholding environmental concerns.

The company performs its work on mainland Portugal and in the autonomous regions of the Azores and Madeira. The Company Headquarters is situated next to the Lisbon Airport, as well as the Lisbon Air Traffic Control Centre and the Training Centre.

The Oceanic Control Centre is located in Santa Maria one of the nine islands of the Azores archipelagos. In addition, NAV Portugal is also responsible for other infrastructure facilities and provision of air traffic services like the control towers of Lisbon, Porto, Faro, Cascais, Funchal, Porto Santo, Santa Maria, Ponta Delgada, Horta, and Flores airports.

In order to provide the services, NAV Portugal has a considerable array of equipment and technical facilities (radar, radio and communication stations) in several points of mainland Portugal and in the autonomous regions of the Atlantic.

The modern Oceanic Air Traffic Management System in Santa Maria and the phased entry into service of a new generation of air traffic management systems in Lisbon have been of crucial importance in keeping NAV Portugal in the forefront of air navigation service.

<table>
<thead>
<tr>
<th>No. of Towers Operated:</th>
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</thead>
<tbody>
<tr>
<td>No. of ACCs:</td>
<td>2</td>
</tr>
<tr>
<td>No. of Employees:</td>
<td>993</td>
</tr>
<tr>
<td>Total Number of ATCOs:</td>
<td>345</td>
</tr>
<tr>
<td>Total Number of Operational ATCOs:</td>
<td>262</td>
</tr>
</tbody>
</table>

Membership type: Full Member
Managing director: Mr. Jorge Ponce de Leão
Head office: Navegação Aérea de Portugal, E.P.E. / Gabinete de Comunicação e Imagem / Rua D, Ed. 121 / Aeroporto de Lisboa /1700-008 Lisboa / Portugal
Country: Portugal
Telephone number: +351 (21) 855 3143
Fax number: +351 (21) 855 3147
Website: [www.nav.pt](http://www.nav.pt)
Naviair is an independent infrastructure company owned by the Danish state with activities both in Danish and North Atlantic airspace.

Naviair owns 50% of NUAC - the first and still the only – integrated operating company in Europe responsible for En route ATM in a joint FAB – The Danish-Swedish FAB. Free Route Airspace was implemented in the Danish-Swedish FAB as early as in 2011.

As partner in COOPANS, Naviair contributes to harmonising procedures and standardising the ATM systems in Denmark, Sweden, Ireland, Austria and Croatia. By now seven control centres in the five countries are fully harmonised.

Naviair is partner and co-owner of Aireon. Aireon will set up the world's first satellite-based global aviation surveillance system by 2018.

Our partnerships also include the air traffic services training academy, Entry Point North, and the Borealis Alliance.

<table>
<thead>
<tr>
<th>Membership type: Full Member</th>
</tr>
</thead>
<tbody>
<tr>
<td>Managing director: Morten Dambaek (from 1 May 2018 Mr. Carsten Fich)</td>
</tr>
<tr>
<td>Head office: Naviair Alle 1 2770 Kastrup Denmark</td>
</tr>
<tr>
<td>Country: Denmark</td>
</tr>
<tr>
<td>Telephone number: +45 3247 8000</td>
</tr>
<tr>
<td>Fax number: +45 3247 8800</td>
</tr>
<tr>
<td>E-mail: <a href="mailto:naviair@naviair.dk">naviair@naviair.dk</a></td>
</tr>
<tr>
<td>Website: <a href="http://www.naviair.dk">www.naviair.dk</a></td>
</tr>
</tbody>
</table>

| No. of Towers Operated: | 7 |
| No. of ACCs: | 1 |
| No. of Employees: | 625 |
| Total number of ATCOs: | 302 |
| Total number of operational ATCOs: | 280 |
The Nigerian Airspace Management Agency (NAMA) was created under ACT 48 of 1999 of the Federal Republic of Nigeria to develop the Nigerian airspace infrastructure to a level consistent with the requirements of the ICAO Standards and Recommended Practices (SARPs). The Agency is responsible for the provision of air navigation services to ensure safe, efficient, expeditious and economic flight operations.

**Mission Statement**

NAMA is committed to the provision of Safe, Efficient, Effective and Economic Air Navigation Services.

| Towers operated: | 25 |
| ACCs: | 2 |
| Employees: | 1,865 |
| Total number of ATCOs: | 305 |
| Operational ATCOs: | 283 |

**Vision**

Assuring the safety and economic well being of airspace users.

Membership type: Full Member  
Managing director: Capt. Fola Akinkuotu  
Head office: Murtal Mohammed International Airport, Ikeja, Lagos, Nigeria  
Country: Nigeria  
Telephone number: +243 1 493 3416  
Fax number: +243 1 497 0342  
E-mail: nama@nama-nig.com  
Website: www.nama.gov.ng
Office National de L’Aviation Civile (OFNAC)

Organisation Overview

The National Office of Civil Aviation (OFNAC) was created by the decree of 29 September 1980 and is the state body in charge of the organisation and regulation of air transport in Haiti.

Mission of OFNAC:

- Determine the conditions under which air transport must take place in Haiti.
- Ensure the application of standards prescribed by international air transport legislation and conventions.
- Organize aircraft search and rescue operations.
- Participate both nationally and internationally in the negotiations for the protection and development of Civil Aviation.

Membership type: Full Member
Managing director: Eng. Lionel Isaac
Head office: Boulevard Toussaint Louverture, B.P. 1349, Port-Au-Prince, Haiti
Country: Haiti
Telephone number: +509 2910 2224
Organisation Profile

Moroccan Airports Authority (ONDA) is the developer and the manager of the airport infrastructure. It’s also the air navigation services’ provider in Morocco. Its mission is:

• To provide and manage air traffic services;
• To plan maintenance operations and development of air traffic airports;
• To manage the air navigation facilities and the implementation of means for air traffic control;
• To process passengers, air cargo as well as all services dedicated to users satisfaction;
• To develop linking with international organisations and airports, to satisfy the needs of air traffic;
• To operate of certain projects and services that may grant to other partner’s needs;
• To provide high level education in civil aviation and airport operations management fields.

The ONDA is vested with strategic duties, in so far as it regulates not only the development of air transport in Morocco, but also the related economic sectors.

These duties cover the management of international air traffic, aviation security and service quality which the ONDA is in charge of. This involves the credibility of the Moroccan Authorities towards the international aviation community.

The strategic axes are:
1. Stakeholder’s Trust Return;
2. Investment Plan Strategic Reframing;
3. The Customer Culture Support;
4. Governance, Organisation & HR;
5. International Cooperation.

Membership type: Full Member
Managing director: Mr. Mohammed Zouhair El Aoufir
Head office: Aéroport Mohammed V B.P. 52, Nouaceur, 20000, Casablanca Morocco
Country: Morocco
Telephone number: +212 5 2253 9005
Fax number: +212 5 2253 9901
E-mail: z.eloufir@onda.ma
Website: www.onda.ma
The mission of the SE “Oro Navigacija” (hereafter “ORO NAVIGACIJA”) is to provide safe and high-quality air navigation services to all users of Lithuanian airspace.

The vision of ORO NAVIGACIJA is to strive for a leading position and constant perfection so as to ensure safety of the users of the provided services and meeting of their needs in full, to apply a perfect safety assurance mechanism and to gain growing confidence of the service users.

ORO NAVIGACIJA is the sole provider of air traffic control, communication, navigation, surveillance and aeronautical information services in Lithuania. The services are rendered in an open and transparent manner without discrimination of any user on grounds of nationality or identity, or class of users.

The Development Strategy of ORO NAVIGACIJA is built on the principles of ECAC ATM 2000+ Strategy and presently evolving under the umbrella of SES initiative to ensure the performance driven development planning in a cost-effective way while maintaining the required safety and quality levels of air navigation services. It is also designed to implement Lithuania’s LSSIP Objectives in adherence with common interoperability standards and approved ATM system design philosophy.

The activities of ORO NAVIGACIJA are performed putting emphasis on the key performance areas, such as safety level, ATM capacity, cost effectiveness and environment.

| No. of Towers operated | 4 |
| No. of ACCs            | 1 |
| No. of Employees       | 314 |
| Total No. of ATCOs     | 88 |
| Total No. of operational ATCOs | 78 |

Membership type: Full Member
Managing director: Mr. Mindaugas Gustys
Head office: Rodunios kelia 2, LT-02188 Vilnius, Lithuania
Country: Lithuania
Telephone number: +370 (5) 219 4502
Fax number: +370 (5) 219 4522
E-mail: info@ans.lt
Website: www.ans.lt/en
PNG Air Services Limited (PNGASL)

PNG Air Services Limited, is a State Own enterprise (SOE) which was registered as a company in July of 2007, but started its operation in January 1st 2008. Its primary business is to provide Air Navigation Services to the domestic and international airline operators who use PNG air space—identified as Port Moresby Flight Information Region (FIR)—with the vision “to be a world class Air Navigation Service Provider”. PNG Air Services Limited goal is to improve and expand the air navigation services, so that it is safe, reliable and can depended upon, affordable and accessible to all sections of the community and of the Nation. It is expected that PNGASL would rehabilitate and upgrade all communication, navigation aids, surveillance and ATM systems throughout PNG.

Membership type: Full Member
Managing director: Captain Ted Pakii
Head office: PO Box 273 BOROKO, NCD Port Moresby Papua New Guinea
Country: Papua New Guinea
Telephone number: +675 7117 6402
Fax number: +675 325 1067
Website: www.pngairservices.com.pg

<table>
<thead>
<tr>
<th>Towers:</th>
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</tr>
</thead>
<tbody>
<tr>
<td>ACCs:</td>
<td>1</td>
</tr>
<tr>
<td>Employees:</td>
<td>250</td>
</tr>
<tr>
<td>Total ATCOs:</td>
<td>129</td>
</tr>
<tr>
<td>Operational ATCOs:</td>
<td>118</td>
</tr>
</tbody>
</table>
Polish Air Navigation Services Agency (PANSA)

Polish Air Navigation Services Agency (PANSA) is a certified legal entity designated by the Minister of Infrastructure and Development to provide air navigation services within Polish airspace. The aim of PANSA is to provide safe, sustainable and efficient air navigation services, to manage airspace and air traffic flow within FIR Warszawa in conformity with International and Polish Law. The services are tailored in a way to meet the requirements of PANSA's stakeholders and customers in a measurable and balanced manner and with respect to the Single European Sky objectives set by the European Commission.

In November 2013 PANSA together with nine ANSPs of Central and Eastern Europe signed a strategic co-operation agreement on establishing a regional co-operation platform titled Gate One. The agreement was signed by the ANSPs CEO’s of Austria, Bulgaria, Czech Republic, Croatia, Poland, Lithuania, Hungary, Romania, Slovakia and Slovenia. It was agreed Bosnia and Herzegovina will join Gate One early 2014.

At the end of 2013 PANSA completed the implementation of new air traffic control system for FIR Warszawa - Pegasus_21 ATM System. The new system provided PANSA's ATCOs one of the most technologically advanced ATM systems available which will enable Polish airspace capacity to be fully optimized.

PANSA provides services to approximately 2,000 aircrafts daily and 700,000 annually.

- No. of Towers Operated: 13
- No. of ACCs: 1
- No. of Employees: 1,771
- Total Number of ATCOs: 496
- Total number of operational ATCOs: 490

Membership type: Full Member
Managing director: Mr. Janusz Niedziela
Head office: Wiezowa 8 St. Warsaw 02-147
Country: Poland
Telephone number: +48 (22) 574 5000
Fax number: +48 (22) 574 5009
E-mail: info@pansa.pl
Website: www.pansa.pl
The Public Authority for Civil Aviation is the legal personality and administrative independence to the authority responsible for various regulatory and legislative aspects of the Civil Aviation Affairs in the Sultanate of Oman. In addition, it works on the provision of air navigation services and the National Service of Meteorology.

PACA’s vision is to be renowned for civil aviation safety and security, the excellence of its people and the value it creates for Oman. To achieve its vision PACA is regulating all aspects of civil aviation activities in line with international standards ensuring safety, security and environmental protection.

In addition, PACA is promoting and expanding Oman’s civil aviation interests worldwide while nurturing technical and leadership skills of local talent.

In term of its various services, PACA is aiming at providing world-class services to all stakeholders.

Membership type: Full Member
Managing director: H.E. Dr. Mohammed bin Nasser bin Ali Al Zaabi
Head office: P.O. Box 1, Postal Code 111, Muscat International Airport, Sultanate of Oman
Country: Sultanate of Oman
Telephone number: +968 243 544 67
ROMATSA

Romanian Air Traffic Services Administration - ROMATSA - is a legal entity, responsible for Air Traffic Management and it is placed under the authority of the Ministry of Transport.


ROMATSA is an autonomous, self-financed administration, of national importance, based on the designation made according to the legislation of the Single European Sky. In performing air traffic services provided to civil aircraft overflying Romanian airspace, ROMATSA applies EC legislation.

Air traffic services are provided to civil aircraft overflying the national airspace or landing at / taking off from the airports in Romania.

These services consist of terminal air traffic control, performed in the terminal and aerodrome control areas and the en-route air traffic control, performed by ACC.

ROMATSA’s task is to create a safe operational environment for the air traffic in the Romanian airspace, in the context of the dynamic development of the civil aviation industry and of the permanent changes occurring in the international transport.

| No. of Towers Operated: | 16 |
| No. of ACCs:           | 1  |
| No. of Employees:     | 1,516 |
| Total No. of ATCOs:   | 559 |
| Total No. of Operational ATCOs: | 559 |

Membership type: Full Member
Managing director: Mr. Valentin Cimpuieru
Head office: Ion Ionescu de la Brad Bd. no. 10, CP 18-90, Sector 1, 013813 Bucharesti, Romania
Country: Romania
Telephone number: +40 (21) 2083 100
Fax number: +40 (21) 2302 442
E-mail: romatsa.office@romatsa.ro
Website: www.romatsa.ro
SAKAERONAVIGATSIA Ltd. is a Georgian air navigation service provider. Its mission is to provide safe, efficient and effective air traffic management and related services of the highest quality in accordance with the national law and its international obligations.

The company aims to become the part of the European sky and modernize its service according to the highest modern standards of the world. It is oriented on customer needs and strives to have the most safe, comfortable, flexible and high quality service.

SAKAERONAVIGATSIA Ltd. constantly conducts significant projects in order to offer high quality service. Organization modernizes the technical means important for the international civil aviation and takes relative steps in order to hire and retain experienced highly qualified employees to conform to international requirements and standards. The airspace of Georgia is the most significant section of the Euro-Asian air corridor and the sky over Georgia will remain safe and welcoming as usual.

<table>
<thead>
<tr>
<th>Towers operated:</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCs:</td>
<td>1</td>
</tr>
<tr>
<td>Employees:</td>
<td>767</td>
</tr>
<tr>
<td>Total number of ATCOs:</td>
<td>135</td>
</tr>
<tr>
<td>Total number of operational ATCOs:</td>
<td>111</td>
</tr>
</tbody>
</table>

Membership type: Full Member  
Managing director: Mr. Gocha Mezvrishvili  
Head office: Airport, Tbilisi, 0198, Georgia  
Country: Georgia  
Telephone number: +995 32 274 42 12  
Fax number: +995 32 247 42 27  
E-mail: intrel@airnav.ge  
Website: www.airnav.ge
The General Authority of Civil Aviation (GACA) is the authorised entity that is responsible for air transport regulations, airport operations and the provision of air navigation services in the Kingdom of Saudi Arabia. GACA is currently undergoing a major transition to become a fully independent organisation operating on a commercial basis. The Council of Ministers has approved the transformation of ANS strategic business unit to an independent company with its own board of directors.

A transformation project team has been established to manage the ANS transformation to corporate ties government entity.

<table>
<thead>
<tr>
<th>Towers operated:</th>
<th>14</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of ACCs:</td>
<td>2</td>
</tr>
<tr>
<td>Employees:</td>
<td>1,800</td>
</tr>
<tr>
<td>Total number of ATCOs:</td>
<td>612</td>
</tr>
<tr>
<td>Total operational ATCOs:</td>
<td>436</td>
</tr>
</tbody>
</table>

Membership type: Full Member
Managing director: His Highness Prince Fahd bin Abdullah
Head office: P.O. Box 887 Jeddah 21165 K.S.A
Country: Kingdom of Saudi Arabia
Telephone number: +966 26 405 000
Fax number: +966 26 401 477
Website: [www.gaca.gov.sa](http://www.gaca.gov.sa)
SENEAM is the Air Navigation Service Provider in Mexico, created as a Government Agency in October 4th 1978. Its mission is to provide air navigation services, with safety and quality in order to guarantee the safe transportation of passengers and cargo throughout its Airspace.

Mexico’s Airspace is approximately 6’000,000 sq km., handling an average of 2’000,000 operations a year. Due to its strategic geographical location, Mexico plays a vital role managing air traffic throughout the Americas.

SENEAM provides the following services: Air Traffic Control, Procedures Design, Telecommunications, Meteorological Information and AIP, holding an ISO 9001:2008 Certification.

Air Traffic Control is provided by four Area Radar Control Centers; twelve Radar Approach Control Centers, twenty one Non-Radar; and fifty eight Control Towers.

SENEAM handles seventy eight VOR/DME and twenty two radar antennas throughout the national territory to provide a safe, orderly, expeditious, and efficient management of air traffic.

| No. of Towers Operated: | 58 |
| No. of ACCs: | 4 |
| No. of Employees: | 2,254 |
| Total Number of ATCOs: | 870 |
| Total Number of Operational ATCOs: | 824 |

Membership type: Full Member
Managing director: Mr. Roberto Kobeh
Head office: Av. 602, No. 161, Zona Federal AICM, Col. San Juan de Aragon, Delegacion Venustiano Carranza, Mexico D.F. CP 15620 México
Country: Mexico
Telephone number: +52 55 5786 5511
Fax number: +52 55 2598 0065
Website: [www.seneam.gob.mx](http://www.seneam.gob.mx)
SMATSA’s core business is to provide safe, efficient and timely air traffic services within the airspace of the Republic of Serbia and the State of Montenegro, the airspace above the part of the Adriatic Sea, as well as 55% of upper airspace of Bosnia and Herzegovina.

As a company with limited liability, SMATSA carries out its activity adhering to national and international air traffic regulations and agreements.

SMATSA is attentive to the importance of building an efficient corporate structure as it applies great efforts in order to shape and optimise organisational processes, build reliable human resources, maintain efficient systems and launch innovative projects.

ATM related projects and plans aimed to maintain and improve the safety levels and operations’ efficiency is SMATSA’s permanent mission. The plans are focused on the quality improvements of ANS provision in line with SES requirements and forthcoming trends.

The FAMUS modernisation project implementation (finished in 2011) ensured a significant improvement concerning SMATSA performance in the SES context and enabled creation of good grounds for accomplishment of ANS related objectives. In addition, SMATSA’s Safety Management System successfully deals with the continuous safety challenges caused by the new systems, equipment installation and traffic demand.

SMATSA’s highly competent staff supports the high level of services’ provision in the new operational environment. Air traffic control capacity provided by SMATSA is gradually increased through a variety of measures including the recruitment of additional air traffic controllers and educated staff.

| Towers:  | 8 |
| ACCs:    | 1 |
| Employees: | 865 |
| Total ATCOs: | 304 |
| Operational ATCOs: | 253 |

Membership type: Full Member
Managing director: Mr. Predrag Jovanović
Head office: Trg Nikole Pasica 10 P O 640, 11000 Belgrade
Country: Serbia and Montenegro
Telephone number: +381 (11) 321 8021
Fax number: +381 (11) 321 0456
E-mail: dirgen@smatsa.rs
Website: www.smatsa.rs
Serco

Serco improves the quality and efficiency of essential services that matter to millions of people around the world.

The work we do for national and local governments involves us in the most important areas of public service, including health, education, transport, science and defense.

We have nearly 50 years’ experience of helping our customers achieve their goals. Many want us to improve their productivity and service quality. Others need us to support their rapid growth. Government customers face crucial issues such as economic development, congestion, security and climate change. They value the innovation and passion we bring to these challenges, and the collaborative, flexible and imaginative way we work.

Serco is the only significant nongovernment provider of air traffic services in the world. We operate on a global basis and handle about 6 million aircraft movements each year at airports in Europe, the Middle East and North America.

| No. of Towers Operated: | 82    |
| No. of ACCs:            | 3     |
| No. of Employees:      | 1,503 |
| Total number of ATCOs: | 825   |
| Total number of operational ATCOs: | 821 |

Membership type: Full Member
Managing director: Mr. Rupert Soames
Head office: Serco Group plc Serco House 16 Bartley Wood Business Park, Bartley Way Hook, Hampshire, RG27 9UY, United Kingdom
Country: United Kingdom
Telephone number: +44 (1256) 745 900
Fax number: +44 (1256) 744 111
Website: www.serco.com
Skyguide is an advanced high-performance provider of air navigation services in the heart of Europe. The company currently has fourteen operating locations in Switzerland and a workforce of some 1,400 employees. Its administrative head office is in Geneva. Mandate and duties skyguide provides, in the public interest, high-quality customer-focused air navigation services in Swiss airspace and the airspace of neighbouring countries which is delegated to its control. Of the total flight kilometres managed by skyguide, just under 55% are in Swiss airspace, while some 45% are in foreign airspace delegated to its control by neighbouring countries. With its many years of experience in handling the dense and demanding air traffic above Central Europe, skyguide is the continent’s specialist in managing air traffic within complex airspace.

The company is also a competence centre for aeronautical information management (AIM), radar and communications technology and data processing for the aviation sector. Skyguide holds ISO 9001:2000 certification for all its units throughout its organisation. And its integration of civil and military air navigation services under a single organisational roof is a pioneering achievement through which the company has demonstrated the many benefits that flexible airspace management can offer in terms of increasing overall airspace capacity. Skyguide is also a member, together with its partner organisations in Belgium, France, Germany, Luxembourg and the Netherlands, of the FABEC initiative to create a common functional airspace block that will bring greater efficiency to Central Europe’s air traffic management services and activities.

| Towers operated: | 14 |
| ACCs:           | 2  |
| Employees:                               | 1,330 |

Membership type: Full Member  
Managing director: Mr. Alex Bristol  
Head office: Geneva  
Country: Switzerland  
Telephone number: +41 (22) 417 4111  
Fax number: +41 (22) 417 4547  
E-mail: info@skyguide.ch  
Website: www.skyguide.ch
Slovenia Control, Slovenian Air Navigation Services, Limited is an independent state owned company since 2004. The company is equipped to provide air traffic control and management in all phases of flight and traffic flow at airports in a safe, high-quality and efficient manner, to issue aeronautical information, and to introduce, maintain and upgrade systems and devices for air traffic control and management. In addition, it has the expertise to develop the field of air traffic control, and to draw up regulations in this field.

**Corporate Vision**

With the help of highly qualified and highly motivated personnel, we at Slovenia Control strive unceasingly for excellence in providing safe, high-quality air navigation services at a reasonable price, in Slovenian airspace and also outside as necessary, to satisfy our customers’ needs. In conjunction with our business partners and institutional partners, we are endeavouring to put in place the Single European Sky.

- Towers operated: 4
- ACCs: 1
- Employees: 225
- Total number of ATCOs: 106
- Total number of operational ATCOs: 106

Membership type: Full Member
Managing director: Mr. Franc Zelko Zupančič
Head office: Zgornji Brnik 130N SI - 4210 Brnik - aerodrom, Slovenia
Country: Slovenia
Telephone number: +386 4 204 0000
Fax number: +386 4 204 0001
E-mail: info@sloveniacontrol.si
Website: www.sloveniacontrol.si
DHMI’s vision in the provision of the civil aviation activities is to provide air navigation services and operate aerodromes in order to achieve “the best” at world level, as a safe, high-quality, dynamic, cost-efficient and environment-friendly organization.

DHMI’s mission is to follow up modern aviation technology, be open to new technical and operational developments, carry out short and medium term planning, ensure high quality training of staff and take adequate measures with the aim of providing a better service.

The DHMI is a public-owned enterprise set up to produce and market services of a monopolistic nature, deemed to be privileged services in view of the public service that it renders, the capital for which is entirely paid by the state, and which is associated with the Ministry of Transport.

<table>
<thead>
<tr>
<th>Towers operated:</th>
<th>36</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of ACCs:</td>
<td>2</td>
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<tr>
<td>Employees:</td>
<td>4,822</td>
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<tr>
<td>Total number of ATCOs:</td>
<td>748</td>
</tr>
<tr>
<td>Total number of operational ATCOs:</td>
<td>685</td>
</tr>
</tbody>
</table>

Membership type: Full Member
Managing director: Mr. Orhan Birdal
Head office: Konya Yolu Üstü, Etiler 06330 Ankara, Turkey
Country: Turkey
Telephone number: +90 312 204 0000
Fax number: +90 312 220 976
Website: [www.dhmi.gov.tr](http://www.dhmi.gov.tr)
Air Navigation Services Department is subordinated to Sudan Civil Aviation Authority which is the public administrative. It was created in 1960 as a national entity responsible for the provision of air navigation services in the Republic of Sudan.

ANSD provides air navigation services to both the Republic of Sudan and South Sudan within a controlled airspace of 1,000,000 sq.m. ANSD’s mission is to provide safe, high quality and efficient services guaranteeing satisfaction to customers and high motivation to employees.

- No. of Towers Operated: 8
- Number of ACCs: 1
- No. of Employees: 250
- Total number of ATCOs: 110
- Total number of operational ATCOs: 55

Membership type: Full Member
Head office: Obied Khatim Street, Elryadeh, 11111 Khartoum
Country: Sudan
Telephone number: +249 83 522 110
Fax number: +249 83 773 632
Website: [www.scaa.gov.sd](http://www.scaa.gov.sd)
Swaziland Civil Aviation Authority (SWACAA) is an organization set up in 2009 to regulate the aviation industry in Swaziland and to also operate the country’s airport and air navigation service infrastructure. SWACAA has a Board of Directors that provides oversight on the operations of the executive. Its executive is led by the Director General assisted by various Directors in charge of the regulator function, the airport and air navigation services function and the corporate services function.

The objectives of the Authority are to:

- Promote safe, secure, regular and efficient air transport services to, from and within Swaziland
- Provide adequate, efficient and quality airport and air navigation service facilities and services to users
- Meet and if possible exceed the standards and recommended practices prescribed by ICAO in the Annexes to the Chicago Convention
- Provide adequate, efficient and quality airport facilities and services to users
- Develop an airport as a secondary hub
- Maintain a qualified, cost sensitive and motivated workforce
- Restructure civil aviation activities
- Improve the financial and economic viability of civil aviation
- Further the interests of users of air transport services.

**Airspace of the Kingdom of Swaziland**

Matsapha Terminal Control Area (TMA). The Airspace of the Kingdom of Swaziland lies within the Johannesburg flight information region.

<table>
<thead>
<tr>
<th>No. of Towers operated:</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of employees:</td>
<td>322</td>
</tr>
<tr>
<td>Total number of ATCOs:</td>
<td>20</td>
</tr>
</tbody>
</table>

Membership type: Full Member
Managing director: Mr. Solomon Dube
Head office: Matsapha International Airport, PO Box D361 The Gables, Ezulwini
Country: Kingdom of Swaziland
Telephone number: +268 233 35 370 | King Mswati III Airport helpdesk +268 23335000/5160
Fax number: +268 2518 4199
E-mail: info@swacaa.co.sz
Website: www.swacaa.co.sz
The Tanzania Civil Aviation Authority was established on 1 November 2003 as a corporate body, pursuant to the Civil Aviation Act, Cap. 80 (Revised edition of 2006).

The Act mandates the Authority to provide safety, security and economic oversight of the civil aviation industry in Tanzania. The regulated services fall in three categories: air transport services, aeronautical airport services (airside airport operations, ground handling, in-flight catering and aviation fuelling) and air navigation services.

The Authority is governed by a seven member Board of Directors with six nonexecutive members and the Director General of the Authority, as the seventh member. The Board provides overall leadership and strategic direction of the Authority. TCAA is ISO 9001:2008 certified.

<table>
<thead>
<tr>
<th>Towers:</th>
<th>14</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCs:</td>
<td>1</td>
</tr>
<tr>
<td>Employees:</td>
<td>315</td>
</tr>
<tr>
<td>Total ATCOs:</td>
<td>104</td>
</tr>
<tr>
<td>Operational ATCOs:</td>
<td>92</td>
</tr>
</tbody>
</table>

Membership type: Full Member
Managing director: Mr. Fadhili Manongi
Head office: Aviation House, 1st Floor, Nyerere/ Kitunda Road Juniction, Banana Ukonga Area, P.O. Box 2819 Dar Es Salaam, Tanzania
Country: Tanzania
Telephone number: +255 22 219 8108
Fax number: +255 22 284 4300 / +255 22 284 4304
E-mail: tcaa@tcaa.go.tz
Website: www.tcaa.go.tz
Trinidad and Tobago Civil Aviation Authority

The Trinidad and Tobago Civil Aviation Authority was established by the Civil Aviation Act, 2001 (Act 11 of 2001). The principal function of the Authority is to regulate and administer a safe, civil aviation system to ensure that Trinidad and Tobago properly discharges its obligations under international civil aviation agreements and treaties, in particular, the Chicago Convention.

Membership type: Full Member
Managing director: TBA
Head office: P.O. Box 2163, National Mail Centre, Golden Grove Road, Piarco Trinidad and Tobago
Country: Trinidad and Tobago
Telephone number: +1 868 669 4502
Fax number: +1 868 669 5397
E-mail: ttcaa@caa.gov.tt
Website: www.caa.gov.tt

The Trinidad and Tobago Civil Aviation Authority provides a regulatory framework to facilitate a safe, secure and effective aviation Industry and air navigation services within the Piarco Flight Information Region.
The Ukrainian State Air Traffic Service Enterprise (UkSATSE) was established in 1992, and since then it has been the main ANSP in Ukraine. The Enterprise goes forward dynamically and contributes to the permanent development of the Ukrainian air navigation system (ANS), which has long been the integral part of the pan-European ANS. Since 2004 Ukraine is a member of EUROCONTROL, and air traffic services, provided by UkSATSE, fully comply with the international standards.

UkSATSE’s achievements include:

- Upgrade of the Automated Air Traffic Control System at Kyiv Area Control Centre;
- Upgrade of the Automated Air Traffic Control System at Dnipropetrovsk Area Control Centre;
- Implementation of:
  - the Automated Meteorological Information System VOLMET at Odessa Area Control Centre;
  - FRA (Free Route Airspace) in Ukraine;
- two remote high frequency radio telecommunication centres to provide aeronautical telecommunication in south region of Ukraine;
- high frequency radio telecommunication center for Kharkiv APP;
- high frequency radio telecommunication center to provide SAR (search and rescue) service;
- VOR/DME beacons at Lviv and Dnipropetrovsk regional branches;
- airport surveillance radar (ASR) facilities at Kharkiv and Zaporizhzhya airports.

Sustained comprehensive modernisation of the national air navigation system makes the airspace of Ukraine more attractive.

No. of Towers operated: 15
No. of ACCs: 4
No. of Employees: 5,464
Total number of ATCOs: 1,218
Total number of operational ATCOs: 828

Membership type: Full Member
Managing director: Mr. Dmytro Babeichuk
Head office: P/o 173, Airport, Boryspil, Kyiv Region, 08307 Ukraine
Country: Ukraine
Telephone number: +38 (044) 235 21 10
Fax number: +38 (044) 281 84 84
E-mail: postmaster@uksatse.aero
Website: www.uksatse.aero
Vietnam Air Traffic Management Corporation (VATM) is a unique provider for air navigation services for aircraft operating at airports nationwide and over Vietnam FIRs. Besides VATM also has functions of consultancy, designing, construction, supervision, repairing and maintenance, installation of equipment for air traffic management; manufacturing items, accessories, technical equipment for air traffic management and providing flight inspection services for navigation aids.

As of July 2014, VATM has nearly 3 thousand employees of which there are about 500 air traffic controllers. The air traffic management output in 2013 was about 500 thousand flights, with the total revenue being nearly $100 million USD.

Regarding Vietnam’s airspace organization, there are 2 FIRs which include 36 international ATS routes and 24 domestic ATS routes, 07 international airports and 14 domestic airports.

In order to enhance the quality of services provided, during the years, VATM has invested to upgrade technical infrastructure at 02 ACCs, 03 APPs, 21 TWRs, 04 primary radar systems, 07 secondary radar systems, 02 surface movement radars, 21 DVOR/DME stations, 05 long range VHF stations for enroute control, 17 VSATS stations and 03 ADS-B ground stations.

At present, VATM is implementing the Master Plan on CNS/ATM to integrate fully into aviation communities in the region and the world and to concentrate all resources for continuously investing and modernizing technical equipment and facilities and enhancing high quality human resources to ensure the criteria of “safety, regularity and efficiency”.

Membership type: Full Member
Managing director: Mr. Doan Huu Gia
Head office: No. 06/200 Nguyen Son Street Long Bien District Ha Noi City Vietnam
Country: Vietnam
Telephone number: +84 4 3872 1636
Fax number: +84 4 3827 2597
Website: [www.vatm.vn](http://www.vatm.vn)
We are a software development company. It is our purpose to contribute to a safer and securer world. We do so by IT consultancy, software development, maintenance and software support. EUROCONTROL, Becker Avionics, H&D and NLR are partners. Our solutions are used in civil and military air traffic management, defence and security. In these sectors we serve amongst others all members of EUROCONTROL, German Air Force, LVNL, Royal Dutch Air Force and NATO. The categories in which we develop solutions are as follows.

**CNS:**
- Situational Awareness, Data Communication and Fusion, Sensor Analysis, Tracker Tuning, Fallback Systems

**Safety:**
- ASMGCS, Safety Nets, Incident Investigation

**Security:**
- Cross Border Coordination, Collaborative Decision Making, Civil-Military Coordination, Security nets

Membership type: Associate Member
Membership status: Silver
Managing director: Mr. Walter Strijland
Head office: De Zaale 11, 5612 AJ Eindhoven
Country: The Netherlands
Telephone number: +31 40 239 0720
Fax number: +31 40 239 0800
E-mail: bd-atm@42solutions.nl
Website: [http://www.42solutions.nl](http://www.42solutions.nl)
ASBU for Future is an innovative company that focuses on supporting the aviation industry in managing the implementation of the Aviation System Block Upgrades (ASBU) as described in the Global Air Navigation Plan (GANP) of the International Civil Aviation Organization (ICAO).

Services we offer:
• ICAO Aviation System Block Upgrades - Implementation Support
• AIS to AIM towards SWIM - Transition Support
• Aeronautical Data - Complete Data Chain Support
• Aeronautical Regulation - Compliance Support
• Performance Based Navigation - Data Compliance Support
• European Funding - Application Support

Experienced and enthusiastic, the company focuses its efforts on supporting the aviation industry. Knowledge is in our top priorities and we make sure it is shared both with our customers and between us as a team.

The future should be driven by constantly looking for innovative solutions to emerging needs. The ICAO ASBU Concept does this by indicating a guideline on how the aviation system of the future should look like. Now it’s up to the stakeholders to put it into practice and find the right solutions. And this is where we come to support our customers.

Membership type: Associate Member
Membership status: Silver
Managing director: Mr. Peter Rudolph, Dipl.-Ing. (FH)
Head office: Römerstrasse 17 Uhldingen-Mühlhofen, 88690 Germany
Country: Germany
Telephone number: +49 7556 4521-0
Fax number: +49 7556 4521-7
E-mail: info@a4f.aero
Website: www.a4f.aero
Adacel develops operational ATM and advanced ATC simulation and training solutions.

Adacel’s Aurora ATM integrates all surveillance sources with advanced conflict detection features and automation tools for the controller and is compliant with the new ICAO flight plan format.

Adacel’s ATC Unified Training Solution provides tools designed to consolidate skills on individual task trainers advancing through full team training as skills progress and includes capabilities to train for ICAO aviation English proficiency.

Membership type: Associate Member
Membership status: Silver
Managing director: Seth Brown
Head office: 9677 Tradeport Drive Orlando, FL, USA, 32827-5318
Country: Canada
Telephone number: +1 407 581 1560
Fax number: +1 407 581 1581
E-mail: info@adacel.com
Website: www.adacel.com
ADB SAFEGATE is a leading provider of intelligent solutions that deliver superior airport performance from approach to departure. We partner with airports and airlines to analyze their current structures and operations, and jointly identify and solve bottlenecks. Our consultative approach enables airports to improve efficiency, enhance safety and environmental sustainability, as well as reduce operational costs. Our portfolio includes solutions and services that harmonize airport performance, tackling every aspect of traffic handling and guidance, from approach, runway and taxiway lighting, to tower-based traffic control systems and intelligent gate and docking automation. ADB SAFEGATE has 900+ employees in more than 20 countries and serves some 2,500+ airports in more than 175 countries.

Email: marketing@adbsafegate.com

Membership type: Associate Member
Membership status: Silver
Managing director: Mr. Christian Onselaere
Head office: ADB SAFEGATE Leuvensesteenweg 585 1930 Zaventem Belgium
Country: Belgium
Telephone number: +32 2 722 17 11
Fax number: +32 2 722 17 64
E-mail: jeanluc.devisscher@adbsafegate.com
Website: www.adbsafegate.com
Aeronav specializes in integrated air traffic control (ATC) systems, prefabricated control tower cabin, mobile control towers, ground-based radio navigation aids (NavAids), airfield lighting systems, power supply systems and control tower design. Aeronav services range from design, integration, installation, training and maintenance services to global turn-key solutions for air navigation service providers (ANSP), aviation organizations and airport authorities worldwide. All systems are commissioned in compliance with ICAO recommendations.

Membership type: Associate Member
Membership status: Silver
Managing director: Mr. Benoit Couture, Co-president
Head office: 926 Selkirk Avenue, Pointe-Claire (Montreal), QC, H9R 4T7 Canada
Country: Canada
Telephone number: + 1 (514) 695 0820
Fax number: + 1 (514) 919 8336
E-mail: jgarner@aeronavgroup.com
Website: www.aeronavgroup.com
About ATCA

The Air Traffic Control Association (www.ATCA.org) is dedicated to the progress and safety of air traffic control and works to advance the technology and professionalism of the industry. Founded in 1956 by a group of air traffic controllers, ATCA serves nearly 3,000 members from throughout the world - individual air traffic controllers as well as aviation associations, educational institutions, the government and military, and companies managing and providing equipment and services in the aviation community.

Membership type: Associate Member
Membership status: Silver
Managing director: Mr. Peter F. Dumont
Head office: 1101 King Street, Suite 300 Alexandria VA 22314 USA
Country: USA
Telephone number: +1 (703) 299 2430
Fax number: +1 (703) 299 2437
E-mail: info@atca.org
Website: www.atca.org
Air Traffic Control Association – Japan

ATCA-J aims to contribute air traffic development through comprehensive research and study on air traffic control systems at home and abroad, and through promotion of international cooperation with other countries on air traffic services.

ATCA-J engages in the following activities to accomplish its purpose:
1. Research and Studies
2. International cooperation
3. ICAO Language Proficiency Requirement testing services
4. Publications

Membership type: Associate Member
Membership status: Silver
Managing director: Mr. Toru Nakamura
Head office: K-1 Bld. 3F, 1-6-6 Haneda Airport Ota-ku Tokyo, 144-0041 Japan
Country: Japan
Telephone number: +81 (3) 3747 1685
Fax number: +81 (3) 3747 0856
E-mail: atcaj@atcaj.or.jp
Website: www.atcaj.or.jp
The Air Traffic Management Research Institute (ATMRI) in Singapore was established by the Civil Aviation Authority of Singapore (CAAS) and the Nanyang Technological University (NTU) on 5 February 2013. The ATMRI is Singapore's first institute dedicated to research and development (R&D) in Air Traffic Management (ATM). As a key element of the initiative to build Singapore as a Centre of Excellence for ATM, the ATMRI envisions to be a renowned research institute, finding innovative solutions, and catalysing an ATM transformation in the region. Beyond generating knowledge and know-how, the ATMRI undertakes the mission to build and nurture intellectual human capital to ensure a sustainable pipeline of research manpower for ATM R&D in Singapore and beyond.

Membership type: Associate Member
Membership status: Silver
Managing director: Dr. Vu Nguyen Duong
Head office: Nanyang Technological University 65 Nanyang Drive, North Spine, N3.2B3M-10 637460 Singapore
Country: Singapore
Telephone number: + 65 690 83 411
Fax number: + 65 6792 4062
E-mail: atmri@ntu.edu.sg
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Aireon LLC

Aireon is deploying a space-based air traffic surveillance system for Automatic Dependent Surveillance-Broadcast (ADS-B) equipped aircraft throughout the entire globe. Aireon will harness next-generation aviation surveillance technologies that are currently ground-based and, for the first time ever, extend their reach globally to significantly improve efficiency, enhance safety, reduce emissions and provide cost savings benefits to all stakeholders. Real-time ADS-B surveillance will cover oceanic, polar and remote regions, as well as augment existing ground-based systems that are limited to terrestrial airspace. In partnership with leading Air Navigation Service Providers (ANSPs) from around the world, like NAV CANADA, the Irish Aviation Authority (IAA), ENAV and Naviair, as well as Iridium Communications, Aireon will have an operational, global, space-based air traffic surveillance system in 2018.

Membership type: Associate Member
Membership status: Silver
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AirMap Inc.

AirMap is the world’s leading airspace management platform for drones, supporting more than 100,000 drone flights per day. Millions of drones, hundreds of drone manufacturers and developers, and hundreds of airspace managers and stakeholders rely on AirMap’s airspace intelligence and services to fly safely and communicate with others in low-altitude airspace.

With solutions for Unmanned Traffic Management, geofencing, remote identification, deconfliction, and more, AirMap is helping to create the next frontier of flight.

Membership type: Associate Member
Membership status: Silver
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ATAC Corporation is a solutions company providing the aviation community with state-of-the-art simulation, modeling, analysis tools and expert services in air traffic systems. We provide comprehensive analytical and subject matter expert capabilities including operations design and analysis, safety reporting and analysis, environmental analysis, and training solutions. We are committed to the aviation industry providing high quality products and services, while maintaining a creative, innovative and responsive company environment.

ATAC serves clients via its offices in Santa Clara, CA and Washington, D.C. Primary clients include the Federal Aviation Administration and other Air Navigation Service Providers, National Aeronautics and Space Administration, Department of Defense, airport authorities, airport planning and engineering firms, and private companies with aviation systems development and integration.

Since 1979, ATAC’s products have become the aviation industry standard:
- SkyView™ provides a comprehensive set of tools for gathering aviation performance and supporting data, measuring and baselining operations, supporting automated safety reporting, and helping to design and implement air traffic operational improvements.
- SkyViewer™ is a state-of-the-art, 4-dimensional tool for displaying, analyzing, designing, and evaluating air traffic operations.
- Simmod PRO!® provides a powerful fast-time simulation platform with the flexibility and power of rules-based modeling through innovative implementation of a generalized simulation scripting language.

Membership type: Associate Member
Membership status: Silver
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ATECH Negócios em Tecnologias S/A specializes on high-tech mission critical systems integration and projects in the areas of Air Traffic Management, Defense and Command & Control Systems, Wide Area Surveillance and Homeland Security, amongst others.

ATECH develops and implements ICAO level Air Traffic Control Systems, which are designed to support and automate civil air traffic control and coordination procedures in terminal areas as well as en route control for FIR. The solution was deployed throughout Brazil and control more than 95% of all traffic in the country being installed in all automated Approach Control Centers (APP) and Route Control Centers (ACC). ATECH has developed the system responsible for Brazilian South Atlantic Oceanic Flight Information Region, using ADS-C and CPDLC (Controller Pilot Data Link communication) over satellite. ATECH has also specified, develop and commissioned the current system, and is modernizing the Brazilian Air Traffic Flow Management (ATFM) Center.

ATECH’s multidisciplinary team is composed of highly specialized people, qualified and experienced professionals in a vast array of areas of knowledge and expertise. These professionals provide cutting-edge technology solutions and integrated information systems.

Solutions:
- Air Traffic Control with Multi Sensor Capabilities
- Air Traffic Flow Management
- ATC Simulation
- Messaging, Billing, OPMET and AIS

Membership type: Associate Member
Membership status: Silver
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Aviation Advocacy

Aviation Advocacy is a boutique consulting firm which provides market insight, regulatory counsel, commercial consulting and operational support to aviation businesses, organisations and investors.

Based in Switzerland, with an office in Brussels, we combine expertise in aero politics, extensive regulatory and legal experience and track record in commercial operations.

We work with clients worldwide to address problems with innovative thinking, holistic evaluation, and effective operational implementation.

In the ATM arena, Aviation Advocacy has a particularly strong track record of working with CANSO and a number of its members, both ANSPs and associates. We have a close understanding of the issues and their implications for the future of ATM, through which we offer our counsel on policy making and regulation.

Aviation Advocacy also publishes a subscriber-only monthly Aviation Intelligence Reporter, analysing key events, statistics, themes and trends in the aviation industry’s governments, regulators, organisations and service providers. We evaluate the commercial implications of policy thinking and making. Our conclusions are fiercely independent and provide our subscribers with innovative guidance.

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Aviation Data Communication Corp. is a joint venture invested by Air Traffic Management Bureau of CAAC, and key airlines, including Air China, China Eastern and China Southern. From its establishment back in 1996, ADCC is the only datalink service provider in China. Now, ADCC is operating a still expanding world 3rd largest VHF datalink network with more than 190 ground stations located in more than 120 sites. Together with ARINC and AEROTHAI, ADCC’s network and service provides a critical part of GLOABLink datalink network. ADCC also provides datalink applications developed to airline customers. Every airline in China is using at least one application developed by ADCC, such as flight monitoring, engine performance, load and balance etc.

Besides the role of datalink service provider, ADCC is also acting as the research body of ATMB CAAC. ADCC’s R&D capabilities cover areas of ADS-B, satellite navigation, flight procedure design, aeronautical information service, flow management, collaborative decision making, etc. In 2003, based on ADCC R&D facility, CAAC setup its CNS/ATM Labs. With joint forces of the Labs and ADCC R&D team, several grade one and two national awards on aviation related subjects have been achieved.

Membership type: Associate Member
Membership status: Silver
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Avitech GmbH is an international systems and service provider company for civil and military Air Navigation Services Providers, Aviation Authorities, and Airlines. It develops and markets its own software products with 80 plus engineering workforce from four locations in Germany and Slovakia for more than 20 civil and military customers in 20 countries on 4 continents.

Avitech works closely with its customers to generate operational concepts, innovative solutions and early deliveries using a range of COTS products from Avitech and our industry partners based on the ISO9001 certified quality management standard and the customized German Government V-Modell as a process model for planning and executing of software projects.

The main product lines of Avitech are the .wiz@rd Family for Aeronautical, Obstacle and Terrain Databases, Aeronautical Information Publications, Flight Information Publications, paper and electronic Charts, the AviTerm Integrated Briefing System, the AviSuite Aeronautical Message Handling System, the Aeronautical Data Exchange Layer (AxL) to support the SWIM Concept and Integrated Tower Information Management Systems.

Avitech is a non-listed stock corporation (German GmbH) and has an 100% daughter company in Bratislava, Slovakia, and additional working premises in Frankfurt/Main, and Constance, Germany.

The Avitech Frankfurt Office is operated as AIM and Training Service Center.

Membership type: Associate Member
Membership status: Silver
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Bayanat Engineering Group has companies established around the GCC region focusing primarily on the Transport and IT sector. Our partnerships with the global industry leaders is a verification of the proven success of bringing top level technology and building a local expertise of excellence in the region. We offer regional partnership, facilitation and engineering services to our customers bringing the best of two worlds together...

Bayanat Engineering Group operates: Bayanat Airports Engineering & Supplies in the UAE, focusing on Terminals, Airside and ATM system integration having services all civil and military airports in the UAE and Qatar, Bayanat Engineering Qatar in Doha servicing the IT, Security, and Transportation industries, Bayanat Engineering International in Muscat and Bayanat Engineering Marco in Morocco, along with a partnership in the Kingdom of Saudi Arabia.

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The Boeing Company is working with government, industry and airline partners around the globe to improve the world’s air traffic system. By applying expertise in the areas of modeling and simulation, airspace design, systems integration and navigation services, Boeing’s Air Traffic Management team is at the forefront of creating the infrastructure for a transformational air traffic management system. This transformational system relies on precision aircraft trajectories, system-wide information management architecture, network-enabled operations, and global interoperability.

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Membership status: Gold
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ATM Products & Services
• Transformational ATM R&D Concepts
• Navigation Services
• Airspace Design
• Traffic Flow Management
• Modeling & Simulation
• Airplane Equipage
• Air-Ground Systems Integration
• System-Wide Information Management
• Flight Optimisation
• Training
Brüel & Kjær EMS is a global leader in supplying environment monitoring systems and services to the world’s airports. With a strong and trusted brand in the industry, Brüel & Kjær EMS is known for stability, quality of service and product innovation.

The company’s airport customer base of over 250 major airports has been expanding through strong market demand, increasing market share, and acquisitions.

Many of the busiest airports around the world have Brüel & Kjær EMS systems installed, including London Heathrow, Amsterdam Schiphol, Chicago O'Hare, Los Angeles International, San Francisco International, Hong Kong, Sydney and Melbourne. Moreover, Brüel & Kjær EMS’ NoiseOffice services are used by customers in the US, UK and Australian markets – Chicago, BAA and Airservices Australia.

Brüel & Kjær EMS builds the world’s foremost airport noise monitoring and flight track management solutions. We provide a complete suite of hardware and software products, coupled with a range of superior managed services founded on world’s best practice.

We build today’s solutions with tomorrow’s environmental, technical and social conditions in mind. Our products are designed to grow with your airport’s needs, yielding maximum value and return on investment.

Membership type: Associate Member
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CGH Technologies, Inc., is a woman-owned small business headquartered in Washington, DC, USA. Incorporated in 1998 and now with some 200 employees, CGH is primarily involved in Agile software and system design, development, testing, implementation and maintenance. We also perform contract work in physical and cyber security, especially in the aviation and maritime fields. Other work includes system engineering, human factors (risk & safety), facilities management, communications, quality assurance/quality control, and program management.

Specifically, CGH delivers highly modular, flexible, and scalable solutions that employ COTS and custom technologies, enterprise information integration, and standards-based services and protocols to maximize interoperability and reduce risk and cost. We deliver configurable data management capabilities, plug-and-play functional system components, and powerful analytical tools to meet a diverse and growing customer base. Our solutions integrate easily within the client’s infrastructure and can be leveraged, for example, against SWIM capabilities, NextGen operational improvements, and enterprise data management efforts. Our innovative and modernized approaches establishes forward-looking solutions that meet current data analytics and planning needs while remaining nimble and cost-effective to the changing demand profile.

Examples of our innovative solutions include: ASSET, AGIS, ACS, OE/AAA, FNS, SDAT, OEI, Overflights, etc.

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COMSOFT GmbH, now COMSOFT Solutions GmbH, is an internationally active air traffic control and air traffic management provider, headquartered in Karlsruhe, Germany. A leading manufacturer in this domain for over 25 years, COMSOFT Solutions delivers systems and services to civil and military air traffic control authorities and organisations, and customers in every ICAO region.

COMSOFT Solutions’ portfolio covers numerous fields of the modern ATM industry, including innovative surveillance and communication solutions such as ADS-B and multilateration sensors, aeronautical message handling and information management systems, surveillance data distribution and processing systems and control and monitoring solutions.

Our incomparable dedication to outstanding solutions has entailed a number of achievements setting a benchmark for the industry. For example, taking into account the global transition from AIS to AIM, COMSOFT developed the advanced AIM solution CADAS. Fully based on AIXM 5, the new standard for aeronautical data, it presents a future-proof, cost-efficient and reliable AIM platform. The unrivalled leader in operational AMHS connections clearly is COMSOFT’s messaging solution, AIDA-NG. Numerous customers - including air navigation service providers from Latin America, Europe, the Middle East and the Asia Pacific region - have already performed the transition to AMHS leveraging the system’s unmatched level of interoperability and stability.

As a long term EUROCONTROL partner, solution provider and consultant for both civil and military customers, COMSOFT systems can be found in most European ATC centres and with increasing shares all over the world.

In January 2016 the Frequentis Group, an international communication and information systems provider for control centres, took over the main assets and projects of COMSOFT GmbH. COMSOFT’s high quality solutions and skilled COMSOFT team, coupled with the Frequentis Group’s vast expertise, will continue to develop innovative solutions for the ATM market, consistent with international standards.

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Membership status: Silver
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CSSI works with government and commercial clients to create efficient, low-risk, and modernized transportation systems. With deep roots in air traffic management, we’ve produced innovative solutions that double capacity, increase safety, and advance human performance. We’ve helped transform the world’s most complex transportation systems, and we’re ready to help you tackle your most pressing challenges.

Membership type: Associate Member
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Whether it be Common Use, Departure Control, Flight Data Processing, Aeronautical Information Management, Collaborative Decision Making or Passenger Analytics, the role of technology in providing smooth, seamless and connected aviation operations is undoubted. The Aviation sector has always been at the forefront of technology implementation, having long since understood the benefits that can be realised, whether it be enhanced safety, increased efficiency, reduced costs or improved profitability. Looking forward, however, the challenge for aviation organisations is changing. The industry is forecast to achieve unparalleled growth, resulting in capacity constraints in airspace, runways and airport terminals to name but a few areas. Collaboration is key, with the days of airlines, airports and air traffic management focusing purely on their own concerns and investments, at an end.

Recognising this strategic challenge and the role that technology has to play in overcoming, Deloitte, the business advisory firm, has formed the new Aviation Technology team. Leveraging deep domain expertise across airports, airlines and air navigation service providers (ANSPs), the Deloitte Aviation Technology team has the skills, insight and experience to help aviation organisations achieve better business outcomes through technology. From independent technology advocacy through to full IT-enabled business transformation, we work collaboratively with our aviation partners to ensure that their technology investments delivers tangible benefits to their business, including new revenue sources, cost reductions and capacity enhancements.

Easat Radar Systems Ltd is the air traffic management industry’s sole radar systems OEM with full in-house manufacturing capability: from pedestals & antennas to complete radar systems. This ensures high-confidence of equipment quality & long-term reliability to keep your capital costs and operational expenses within reason. All our equipment and systems are fully ICAO and Eurocontrol compliant and have been developed with the global market in mind.

Our range of cost-effective, compact, and modern radar systems includes normal and long-range (up to 120NM) S-band primary radar (ASR/PSR), Mode-S secondary surveillance radar (MSSR), X-band surface movement radar (SMR), and redundant ADS-B ground stations & systems. Transportable versions are ideal solutions to fill radar coverage gaps, as emergency backups, or to provide temporary coverage.

Since 1987, we have supplied equipment for over 500 sites in 60 countries as a trusted tier-one supplier of radar antennas to major radar systems integrators such as Airbus, Indra, Lockheed-Martin, Raytheon Systems, and Thales, among others. Furthermore, our OEM radar equipment has been supplied to civil ANSP and military clients worldwide including FAA (USA), NATS (UK), Kazakhstan CAA, Pansa (Poland), KOCA (South Korea), AENA (Spain), and the Indonesian Air Force.

Please contact us to discuss your complete new radar systems procurement plans or needs for partial replacement/upgrades of old existing equipment. We will be happy to help.

Membership type: Associate Member
Membership status: Silver Member
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Ecole Nationale de L’Aviation Civile (ENAC) was founded in 1949 in Paris-Orly and moved to Toulouse in 1968. It is a public corporation, with an administrative vocation and operates under the supervision of the French Ministry of Transport/DGAC, the French equivalent of CAA/FAA. ENAC has its headquarters in Toulouse, the European aerospace capital, and nine other training centres in France.

ENAC is the only aviation-oriented university in France and it offers a wide range of aeronautics-oriented training programmes and activities, serving the aeronautical world, and particularly the air transport sector.

ENAC has: 2,000 students in 30 training courses (engineer, air transport pilot, air traffic controller, etc.); 7,500 trainees each year in 400 continuing education programmes or advanced training courses; and four research laboratories.

ENAC boasts high level training material associated with its multidisciplinary activities including: air traffic control simulators; flight simulators; 130 aircraft; and laboratories for electronics, data processing, aerodynamics, and languages.

Through all these activities, ENAC is committed to meeting the requirements of the aeronautical field, in both private and public sectors, in France and abroad.

Over more than 60 years, with 20,000 alumni, ENAC has acquired an excellent reputation in France and abroad with all the partners associated with its wide range of activities.

Today, thanks to the acknowledged skills of its teachers, researchers, students, trainees and staff, ENAC is looking to strengthen its influence across the world, through its commitment to its field of excellence: aeronautics.

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Membership status: Silver
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EIZO Technologies GmbH

The Eizo Nanao Group pushes the limits of technology to create visual systems of the utmost quality.

With the highest of ethical standards and pure dedication to excellence in all operational aspects, we aspire to exceed our customers’ expectations.

We recognise one of the most challenging issues to date is environmental conservation, and are uncompromising in our dedication to this integral element in all our business activities.

Membership type: Associate Member
Membership status: Silver
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Emirates is one of the world's most successful international airlines. Since the first Emirates airline flight took off in 1985 the company has spread its wings into every aspect of travel and tourism to become a global corporation of colossal scale. Based in Dubai, it flies a young and modern fleet of 153 aircraft - a mix of Airbus and Boeing passenger planes and seven freighters. A further 200 aircraft are on order including an additional 75 A380s making it the largest customer of the Airbus superjumbo.

Connecting 109 cities on six continents, Emirates has earned a reputation for innovation and top quality service, winning over 400 international awards for excellence across its operations.

In the air and on the ground, Emirates is committed to acting sustainably in the interests of its customers, its business, the natural environment, and the 109 destinations it serves worldwide.

Visit Emirates online at: www.emirates.com

Membership type: Associate Member
Membership status: Silver
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Entry Point North is one of the largest global ATS academies. We carry out our premier training solutions in accordance with best practices and all international rules and standards, including ICAO and European Commission. Entry Point North is the first ATS academy to be accredited under the European Commission’s directives towards the vision of the Single European Sky by 2020.

Entry Point North is a total training solution provider. We offer a wide portfolio of training and services to aspiring and operational air traffic controllers, air traffic service officers, air traffic safety electronics personnel, administrative personnel and other aviation-related personnel. We deliver our training and services at our modern facilities in Sweden, Ireland, Hungary, Denmark, Spain and at client sites throughout Europe, the Middle East, Africa and Asia.

Entry Point North uses state-of-the-art BEST software simulators from the UK-based company MicroNav and COOPANS simulators. The training positions are flexible and can be grouped or un-grouped quickly as needed, to run exercises in stand-alone or suite mode (executive and planner), groups or full ‘control centre’ configuration, all depending on the training requirements. At our five training sites, we are equipped with more than 200 radar/pilot simulator training positions and one 360° 3D, three 270°/360° 3D and thirteen 180° 3D state-of-the-art simulators.

Every year, more than 3,300 students and professionals join aviation-related courses at our modern training sites and at our customer premises including: ATC training, ATS and FIS training, meteorological training, ATSEP training, safety training, ‘Train The Trainer’, ATM-related training, language training, recruitment services, simulator services, and consultancy services.

Membership type: Associate Member
Membership status: Silver
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ERA is a world leader in next-generation surveillance and flight tracking solutions with proven multilateration and ADS-B (Automatic Dependent Surveillance - Broadcast) technologies.

ERA equips military and civilian aviation industries with next-generation solutions that improve aviation safety, enhance operations and increase tactical capabilities.

ERA has more than 100 commercial, air traffic management and military customers in over 45 countries including the U.S., Europe, the Middle East, Africa, South America and Asia.

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European Satellite Services Provider (ESSP SAS)

ESSP SAS is a private French company owned by 7 key European ANSPs (Aena, DGAC/DSNA, DFS, ENAV, NATS, NAV-P and skyguide) which mission is to provide the EGNOS services.

ESSP mission is developed along three axes:

• the Provision of EGNOS services at a performance level compliant with the user requirements, through an efficient Operation and Maintenance of the EGNOS system and its assets.

• support EGNOS adoption by European aviation through the evolution and development of the EGNOS infrastructure, or by supporting other categories of users where appropriate.

• promote and implement cost effective solutions for EGNOS wherever the company expertise can result in synergies to the European Union and to the future system GALILEO.

To carry out its mission, ESSP was certified as an Air Navigation Service Provider in July 2010, in accordance with the Single European Sky Regulation.

The EGNOS Safety-of-Life Service, mainly intended for aviation, has been available since March 2011. ESSP is deeply involved in supporting European ANSPs to implement EGNOS-based procedures at European airports.

The ESSP Management System has been certified ISO 9001:2008 in March 2012.

Membership type: Associate Member
Membership status: Silver
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Founded in 2004, Facebook’s mission is to give people the power to share and make the world more open and connected. People use Facebook to stay connected with friends and family, to discover what’s going on in the world, and to share and express what matters to them.

Membership type: Associate Member
Membership status: Silver
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Frequentis AG

Frequentis is an international supplier of communication and information solutions for control centres with safety-critical tasks. Fail-safe connectivity, connection set-up in milliseconds and user-friendly design are core elements of the company’s solutions. Focusing on technology and innovation, particularly on the design of optimised human-machine interfaces, Frequentis is the world market leader in voice communication systems for air traffic control; it’s also world market leader in the area of Aeronautical Information Management.

Frequentis has more than sixty years of ATC experience and deep cross-industry experience in defence, public safety, maritime and public transport markets; the company has expanded to incorporate voice, data, networks and recording throughout its portfolio.

- ATM and AIM Products & Services
- Participation in standardisation
- ATM-grade networks and end-to-end VoIP communication
- Remote towers and flexible airspace management
- Aeronautical Information Management

Membership type: Associate Member
Membership status: Gold
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GroupEAD Europe S.L.

GroupEAD Europe S.L. was founded in 2001 to provide the European AIS database (EAD) Services on behalf of EUROCONTROL and its member states. Today we are operating the world’s largest Aeronautical Information System – the vital European repository of quality-assured aeronautical information.

The GroupEAD team consists of experts from all key areas of aviation community including AIS, ATC, Airports, Commercial and Military Aviation. Our unique background of multinational and multilingual staff members allows us to provide our experience to our clients in an engaged and flexible way. Our further dedication to our clients includes 24/7 services.

Services provided by GroupEAD include:
- Management of static data
- NOTAM Services
- Production of the Aeronautical Information Publication (AIP)
- Charting Services
- Provision of AIS and maintenance of aeronautical database on behalf of Clients
- AIM consultancy
- Training

Membership type: Associate Member
Membership status: Gold
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Website: www.groupead.com
Harris Corporation

Harris has been a trusted partner to the global air traffic control (ATC) community for more than 25 years. With over 15,000 employees - including nearly 6,000 engineers and scientists; Harris’ vast knowledge of global ATC communications and technologies is unparalleled and ranks it as a global leader and pioneer in the industry. Serving both civil and military markets alike, Harris helps air navigation service providers, controllers and mission-critical personnel to manage air traffic safely and securely with dependable, state-of-the-art communications innovations. Used by more than 200 customers on six continents, Harris is your source for comprehensive, turnkey communications solutions. Modernizing worldwide air traffic management - one system at a time.

<table>
<thead>
<tr>
<th>Membership type: Associate Member</th>
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<tr>
<td>Membership status: Gold</td>
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<tr>
<td>Managing director: Mr. William Brown</td>
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<tr>
<td>Head office: Headquarters, 1025 West NASA Boulevard, Melbourne, Florida 32919-0001, USA</td>
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<td>Fax number: +1 (321) 729 2244</td>
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<tr>
<td>Website: <a href="http://www.harris.com">www.harris.com</a></td>
</tr>
</tbody>
</table>
Helios is an award-winning management and technology consultancy specialising in air traffic management, airports and space. The company is part of Egis, an international group offering engineering, project structuring and operations services. An acknowledged market leader, Helios helps customers improve economic, business and operational performance.

Helios has been active in the strategic development of the ATM industry for many years. In Europe this has focused on the Single European Sky where its experts have helped shape European regulations, conducted regulatory impact assessments and developed proposals for sector reform. Their work on this and for the Industry Consultation Body means they are especially well-placed to help ANSPs respond to regulatory requirements. In Asia and Middle East the focus has been on capacity building and institutional strengthening, where Helios has worked with local teams to assess requirements, implement improvements and transfer knowledge.

Helios is known for its skill at analysing and mitigating risk in the ATM operational and business environment, applying and tailoring approaches to meet the local challenges.

Performance management is a key area of expertise, where Helios can develop performance frameworks and models to understand the impacts of technological or procedural change.

Investment decisions in any industry require sound economic analysis, but in the aviation industry they are especially complex. Helios has unique experience in this field and provides expertise on business planning, loan financing, and cost-benefit analysis.

In addition to a UK head office, Helios has offices in Dubai and Slovakia.

Membership type: Associate Member
Membership status: Silver
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HENSOLDT - Premium Sensors for Air Traffic Control and military Identification-Friend-or Foe

HENSOLDT is an independent, globally leading supplier of premium sensors for security and surveillance missions. The company is active throughout the world in such areas as missile warning systems and submarine periscopes. Moreover, HENSOLDT is very active in the market for radar systems, optronics and electronic protection systems. The company comprises the security and defence electronics activities of the Airbus Group, which were spun off from the group in 2017 and have now entered the market as a new sensor house under the brand name of HENSOLDT. HENSOLDT employs approximately 4,000 employees, generating annual revenues of about €1 billion.

For decades, HENSOLDT has supplied air traffic control and identification systems in the military and civilian sector to customers worldwide. Amongst others, the company equips the German Armed Forces’ airports with the ASR-S (Airport Surveillance Radar, S-Band) airport surveillance radar and delivers a complete approach control system for the military airfields in Switzerland. The German air navigation service provider DFS Deutsche Flugsicherung has awarded HENSOLDT a contract to deliver primary and secondary ATC radars. Together with Leonardo, HENSOLDT upgraded the identification systems of more than 450 land, sea and air defence platforms to the new “Mode 5” standard. The Royal Canadian Airforce and the Australian air traffic control authorities rely on the company’s latest development in this area, the ASR-NG (ASR Next Generation) which offers the ability to mitigate wind farm effects. Other ATC radars are under contract in countries such as France, USA, Bulgaria and the Philippines.

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Honeywell

As a recognized leader in the aviation and airports sectors, Honeywell's path is clear: keep the world moving forward. Honeywell creates a first-class experience for passengers by ensuring their safety, security, comfort and convenience throughout their journey, by providing innovative solutions for more direct and on-time flights, safer flying and runway traffic, along with wireless connectivity, flight planning and management services and more.

Our intelligent approach to airport integration focuses on the convergence of airside, terminal-side and landside solutions—addressing the tough challenges around safety, security, efficiency and productivity. That’s why more than 500 airports, almost every air transport and business aircraft, and most of the world’s airlines trust Honeywell to take them to new heights.

Contact us at http://www.honeywell.com/aero.

Membership type: Associate Member
Membership status: Silver
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IATAS (International Air Traffic Automation Systems) specializes in cutting-edge semi and fully automated turnkey 360-solutions specifically designed for ANSP’s operating Control Towers, Approach and Departures.

IATAS is the only organization to deliver complete semi and fully automated synchronised situational awareness solutions for all stakeholders, including controllers, pilots, airside personnel.

The mindset of our core infrastructure and solutions include the elimination of human errors, delivery of maximised safety, regulatory adherence, situational awareness and capacity. From onboard dynamic airport mapping for pilots, through tower automation, to your full national backup center, your needs can be modularly integrated on a “grow as you go” basis, synchronised with your evolving needs.

With IATAS solutions, you can deliver seamless safe, efficient and high-impact Air Traffic Services to airports with confidence. With full flexible long-term financing by IATAS, you can concentrate on your requirements, without the worries and processes required by external financing and large deliverable commitments!

As your needs, SOP, regulations and technology evolve through time, IATAS provides your critical operations with resilience, backup, updates, 24x7 onsite and around the clock International Operations Center at your disposal. Thus, partnering with IATAS provides you with the peace of mind on technology and its associated maintenance, support and financing, so you can concentrate on your operations.

Membership type: Associate Member
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Since 1992 the Air Navigation division has been developing and supporting highly customisable commercial software solutions for both civil and military customers in the aeronautical fields of communications, navigation, surveillance and air traffic management. The division supplies its professional commercial solutions and engineering services worldwide tailoring them to clients’ needs in order to fit their specific requirements and workflows. The Air Navigation Division supports civil and military aviation agencies and air navigation service providers with integrated systems for instrument flight procedure design and ground validation and with a comprehensive suite of applications for aeronautical information management, navigation aids performance assessment, and radar siting and electromagnetic compatibility analysis.

IDS’s products and services currently span two broad segments of air navigation operations:

**Aeronautical information services and management** – the flow and management of static and dynamic information in full compliancy with the ICAO mandate for data quality and integrity, support for the transition from an Aeronautical Information Services (AIS) to and Aeronautical information Management (AIM) system, and the production of aeronautical data packages, charts and documents such as Aeronautical Information Publications (AIP).

**Engineering and operations** – the development and ground validation of flight procedures, the design of airspace and the assessment of ground based and satellite navigation aids performance.

Membership type: Associate Member
Membership status: Silver
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Website: www.idscompany.it
Indra Navia designs, produces, and integrates cutting-edge communication, navigation, and tower systems for the world’s leading airports and air traffic control organizations.

Specializing in highly customized solutions, the company delivers outstanding long-term value under the most demanding conditions. More than 1200 airports around the world rely on GAREX, NORMARC and InNOVA for its reliability, proven track-record and low lifecycle cost.

Through continuous technological development - and active participation in Single European Sky ATM Research (SESAR) - Indra Navia facilitates the modernisation of air traffic management capabilities. The company uses its ongoing experience in over 110 countries to adapt and enhance effective support to meet all customers’ needs. Compliance with ISO9001 reflects the company’s high quality management system, placing the customer first at all times.

Indra Navia is a Norwegian-based subsidiary of Indra Sistemas S.A. For more information, please visit www.indranavia.com.

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Indra Sistemas

Indra is the premier Information Technology Company in Spain and a leading IT multinational in Europe and Latin America. It is ranked among the three first European companies in its sector according to stock market capitalisation, and it is one of the three Spanish companies with more investment in R&D. In 2009, revenues reached EUR 2.976M, of which a third comes from the international market.

The company employs more than 35,000 professionals and has clients in more than 100 countries with 30 subsidiaries worldwide. Indra is organised around the following vertical markets: Defence and Air Traffic; Ground Transport & Homeland Security, Energy and Industry; Telecom and Media; Finance and Insurance and Public Administration and Healthcare.

Indra has over 30 years experience in ATM. Its ATC, Surveillance Radars, Navaids, Communications and Airports Systems are operational in all continents over 96 countries in more than 1200 installations. Indra’s extensive product portfolio includes forefront technology applications of 4D trajectory FDP, AIS, VCS, CDM, A-SMGCS, ADS-B, MLAT, or WAM. It provides country-wide systems on a turnkey basis. Indra invests €20 million per year in R&D and plays a leading role in SESAR.

Over the years we have gained comprehensive insight into each business and crafted solid relationships with customers. This knowledge, coupled with latest-generation technology, allows Indra to create unique in-house solutions and services for each market segment.

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Inmarsat has been at the forefront of mobile satellite services for more than 32 years and is the leading provider of global voice, data and IP communications solutions.

We deliver mission-critical communications where terrestrial networks don’t go or are ineffective.

Inmarsat owns and operates a fleet of 11 satellites providing seamless mobile voice and data communications around the world, enabling users to make phone calls or connect to the internet - whenever and wherever they need - on land, at sea or in the air.

We also offer unrivalled expertise in a range of cross-platform mobile and fixed satellite, microwave and wireless technologies.

You can buy Inmarsat services and solutions directly, or through our worldwide network of independent distribution partners and service providers.

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Integra was established in 1988 and is an independent Danish consultancy company with its headquarters in Trørød, north of Copenhagen. Integra work internationally within the aviation sector and we support a long line of national and international organisations in the solution of complex problems within our key competencies (management, regulations, projects, safety and CNS).

A key element of Integra’s strategy is to provide independent, high-quality consultancy services that attach value to our customers’ business at a reasonable cost. All services provided by Integra are tailored to the individual customer and its specific environment and are based on standard concepts and methods to ensure integrity.

Membership type: Associate Member
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Intelcan Technosystems Inc. is the leading Canadian Communications, Navigation, Surveillance, Air Traffic Management (CNS/ATM) systems and Airport Infrastructure solution provider. Integrating Intelcan’s leading edge SKY-suite CNS/ATM products or utilizing those from a network of global suppliers, Intelcan has delivered turnkey solutions both cost-effective and flexible to fulfill the requirements of civil and defence authorities in over 60 countries.

As a manufacturer and system integrator, Intelcan has seamlessly incorporated its own systems and the best available third-party equipment for the advantage of its ATM clients, worldwide. Intelcan’s in-depth knowledge of current products in the industry and innovative approach to solve existing operational constraints serve as the foundation in the development of its leading-edge systems. These products focus on creating stronger solutions to fill unavailable features in today’s market and are developed in full compliance with ICAO and Eurocontrol standards.

As a major player in airport infrastructure projects, Intelcan designs and constructs intricate projects from air traffic control towers to complete airport construction. Intelcan’s comprehensive customer support programs ensure that our mission critical systems that are installed around the world are fully operational, providing a high level of safety and performance that the aviation industry can rely on. Staffed by technical experts in all aspects of aviation, Intelcan’s Customer Support Group offers full life-cycle support services. In-depth familiarity with international requirements and hands-on experience with installation and commissioning of systems enables Intelcan to provide around the clock service to ensure that all of its systems worldwide achieve the highest operational availability for our customers.

Headquartered in Ottawa, Canada, since its establishment in 1973, Intelcan has expanded into, Cuba, Bulgaria, Cyprus, Spain, France, Korea, South Africa and recently, a research and development facility in Montreal, Canada.

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Jeppesen is the leading source of worldwide data for flight navigation and flight operation support systems. Jeppesen offers instrument navigation charts in paper format as well as in state-of-the-art electronic applications. Our airport moving map is widely embraced as a valuable situational awareness tool and an aid to avoiding runway incursions.

Jeppesen NavData® offers digital data which can be delivered in multiple configurations to meet the needs of a wide variety of flight management system (FMS), GPS and ATC equipment. Jeppesen also offers advanced airspace and airport simulation/modeling services to help airlines, air navigation service providers and airports optimize their operations. This is supported by full procedure design capability, which includes expertise in RNP (required navigation performance) procedures, as well as AIP production services.

Jeppesen has a dedicated Industry Relations staff which works closely with over 200 countries, territories and aviation authorities around the world to help resolve source differences across country borders, request clarifications on AIP source data, provide training in new technologies such as RNP, and generally assist aeronautical source providers meet the challenges of our rapidly changing aviation industry. Jeppesen is a subsidiary of The Boeing Company.

Membership type: Associate Member
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Website: [www.jeppesen.com](http://www.jeppesen.com)
JMA Solutions provides access to a network of knowledgeable, seasoned professionals focused on conducting Program Management, Engineering Services, and Process Development.

At JMA, we are passionate about helping our clients successfully meet their business objectives. Our distinctive quality services focus on identifying opportunities for improvement and innovation. JMA provides top-quality professional and transparent unparalleled customer service. The JMA team has a proven track record of successfully delivering results, effectively communicating with clients, and demonstrating integrity and commitment in completing critical projects.

Jan Adams founded JMA in 2005 in Washington, D.C. As a 24-year veteran of the United States military, Jan has built a reputation based on providing trusted quality products and services to the Federal Aviation Administration (FAA).

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Membership status: Silver
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Website: www.jma-solutions.com
Jotron AS is a Norwegian private limited company, established in 1967. The company is a leading manufacturer of critical civil and military communication equipment for air traffic control and maritime applications. Jotron has 250 employees on 3 continents - with headquarters and main production and sales facilities located in Norway. In addition, Jotron has production in Lithuania and Singapore and sales and service offices in Newcastle UK, Houston USA and Singapore.

Serving the world of airspace communication for more than 40 years, Jotron offers a modern range of high performance VHF and UHF radios. The company supplies radios for all airport projects and offers a complete range of radio communication equipment from complex integrated systems (turnkey) to stand-alone radio solutions.

Richochet is Jotron’s world-leading synchronised recording and replay system within the ATC and marine markets. Ricochet is designed for the ATC/CNS arena. Jotron radios and Ricochet recorders are fully integrated based on the ED-137(B) VoIP standard. Ricochet captures, replays and analyses all data, in readiness to deliver the total scenario when reconstruction of an incident is imperative. Practically all available types of data can be recorded. Ricochet is based on COTS HW and complies with international security standards.

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Membership status: Silver
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KONGSBERG

KONGSBERG is an international technology corporation that supplies reliable, advanced technological solutions that improve the reliability, safety and efficiency of complex operations and under extreme conditions. KONGSBERG consists of four business areas; Kongsberg Maritime, Kongsberg Defence Systems, Kongsberg Protech Systems and Kongsberg Digital.

KONGSBERG is the prime contractor for the Remote Tower Solution for Avinor in Norway. Avinor selected the NINOX solution, delivered by KONGSBERG and our business partner Indra Navia, based on leading edge technology and advanced functionality. The innovative and robust sensor solution, the level of real-time integration, and the Human Machine Interface (HMI) solution proved to be superior to other competing solutions.

KONGSBERG takes advantage of our developed leading edge sensor and integration technology fielded in highly advanced military systems, to be the baseline in the Ninox solution. Together with Indra Navia’s NOVA ATM system, this sets a new standard within Remote and Virtual Tower systems technology.

Membership type: Associate Member
Membership status: Silver
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The LAIC Group of companies bring specialist, high quality, innovative, and sophisticated products and services to Airports and Air Navigation Service Providers (ANSP). LAIC have delivered superior consultancy, system development, and service provision to the Air Traffic Control, Air Traffic Management, and Air Transport industry for over 22 years with a range of Civil Aviation Authority and ISO9001 accredited solutions and services for all aspects of air navigation management.

LAIC are headquartered in Lucerne, Switzerland with additional facilities in the UK, Czech Republic, and France and comprise a team of dedicated technical industry experts and consultants, working in partnership and collaboration with their customers to meet the challenges that the industry presents them, today and in the future.

LAIC’s Air Traffic Control systems division, formerly known as Ifield Computer Consultancy Limited (ICC), deliver the ATRAK® suite of solutions, for Air Navigation Service Providers. ATRAK forms an integral role in air traffic management, for air traffic controllers and back office operations respectively, and can be configured and customised to run in a number of different modes to suit the needs of Air Navigation Service Providers of any scale or volume of air traffic flow.

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Leidos is a world-class provider of air traffic management systems and general aviation flight services. More than 60 percent of the world's air traffic is guided by our systems. Around the world our leading technologies and advanced systems are modernising air traffic management; offering air traffic controllers more flexibility in routing, collaborative decision making, strategic conflict detection and more accurate and timely navigation information - all of which lead to safer skies.

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Membership status: Gold
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Research and production corporation ‘Lianozovo Electromechanical Plant’ (LEMZ R&P Corp.) is an enterprise that is specialised in the field of development and manufacture of radar complexes and control systems of various purpose.

The plant was based in 1935 and initially was engaged in repair and manufacture of passenger railway carriages. In 1951 the plant was redesigned for manufacture of complicated radio-electronic equipment. And as late as next year manufacture of radio communication lines and radar stations was mastered by the plant.

LEMZ participated in realisation of a number of important national programs, for example, in equipping with radar means of Air Traffic Control automated systems “Strela” in Russia (Rostov zone), in Ukraine (Kiev zone) and in Belorussia (Minsk zone), in creation of a landing complex for the Soviet space shuttle “Buran”, in creation of low-altitude detector for air-defense missile complex S-300PMU.

The main developer of products manufactured by the plant is the incorporated design bureau (former “LIRA” design bureau) that during 57 years of its existence was engaged in more than 300 research and development projects and practically all of them were handed over into quantity production at LEMZ.

In 2002 LEMZ was reorganised from a Federal State Unitary Enterprise into a jointstock company and included into “Almaz-Antey” Concern as its part. In April of 2006 the JSC «LEMZ» was reorganised into JSC «LEMZ Research and Production Corp.», and design bureau “LIRA” was integrated into it as a structural unit.

Having about 60-year experience of development and manufacture of radio engineering equipment, LEMZ R&P Corp. became one of leading suppliers of radar equipment.

Membership type: Associate Member
Membership status: Silver
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Leonardo is a global technology player in security, aerospace and defence. With over 47,000 employees and revenues of €13B, Leonardo has a strong industrial footprint in Italy, the UK, the US, Poland, and a wide presence internationally. Leonardo is a trusted international manufacturer of complex solutions for ATC and communication, navigation, and surveillance (CNS) systems, implementing dependable and scalable solutions satisfying any worldwide ATCOs, and supporting growth in air navigation services, fully guaranteeing the safety of the operations. Leonardo delivers reliable state-of-the-art radars and CNS solutions, and provides the market with innovative solutions as UTM by cloud services, RPAS insertion into ATM and cyber security protection/services for ATM environment. In US, Leonardo is manufacturing Navigation Aids and ADS-B radios while the production of the weather radars is located in Germany.

Membership type: Associate Member
Membership status: Gold
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Founded in 1995, Metron Aviation, a subsidiary of Airbus Americas and a member of the Airbus ProSky Alliance, pioneered the advancement of Air Traffic Flow Management (ATFM), working with the FAA to develop the industry’s first Collaborative Decision Making (CDM) platform for optimising system-wide traffic flow.

Metron Aviation provides concept engineering, advanced research, software development, traffic flow management, surface operations management, airspace design and environmental analysis solutions to the global aviation industry. Metron Aviation fuses advanced science and mathematics with unparalleled subject-matter expertise to turn ground breaking Air Traffic Management (ATM) research concepts into next-generation operational capabilities. Metron Harmony, Metron Aviation’s commercial product, provides integrated ATFM and CDM capabilities for the world’s leading Air Navigation Service Providers (ANSPs), airlines and airports. Metron Aviation customers include the FAA, NAV CANADA, NASA, ATNS, FedEx, Air Canada, Memphis International Airport, Delta Air Lines, Southwest Airlines, American Airlines, Airservices Australia and many more.

For more information, please visit www.metronaviation.com.
Micro Nav is a leading specialist in simulation and training systems for civil and military ATC and airport operations, airport design and fighter control. Micro Nav develops, delivers and supports systems worldwide for both civil and military authorities and has a proven track record dating back to 1988.

Micro Nav’s range of simulation products include the BEST (Beginning to End for Simulation and Training) Air Traffic Control simulators, the Fighter Controller simulator, the Airside Driver Trainer, the Aircraft Marshalling Trainer and the Fast Airport Builder, offering new levels of affordability, versatility and realism.

Fast Airport Builder is a unique modelling tool that allows users to create 3D visual models of their airports plans quickly and easily themselves. The models run directly with the Micro Nav advanced tower simulators.

Micro Nav also specialises in providing simulation engines, or stimulators, to drive real ATC equipment. The simulated data streams match exactly the formats and physical links of the real world radar, flight plan and other data sources. The combined systems give the ultimate fidelity for on-console training and for the testing of new equipment. Capacity limits, emergency capabilities and safety nets can be tested accurately and reliably.

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MovingDot; a consultancy firm to assist in all aspects of Air Traffic Management affairs. We have our background routed firmly in the operational, technological and senior management side of air traffic control.

The core expertise of MovingDot focuses on connecting the worlds of policy making and that of operational reality. Two worlds that are intricately connected and in many cases heavily interrelated, but each has its own set of definitions and interpretation. Our people will effortlessly operate between these worlds, providing a pragmatic approach and realistic solutions.

MovingDot is specialized in air traffic control operations, airspace management and design of ATM procedures. The corresponding business and change processes are thoroughly understood, not only from a technical point of view, but also from an organisational point of view. This enables MovingDot to support implementation of new processes and procedures in ATM-related organisations which is another important business pillar of MovingDot.

International safety requirements and regulations must be met. MovingDot experts can work together with the business’ top notch of Aerospace engineers and System Engineering consultants from our ADSE holding company. The result for our clients: an optimal flow of working arrangements in line with all regulations.

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NAVBLUE

A game-changer in Flight Operations and Air Traffic Management

NAVBLUE might be a new name in the flight ops market, but its collective history spans more than 50 years. Airbus Group’s acquisition of Navtech builds upon both companies’ rich heritage and digital innovations to create a reputable service provider that’s agile enough to outpace the competition.

In Spring 2016, Airbus’s flight operations product portfolio, including its EFB suite, breakthrough runway overrun protection system (ROPS) safety solutions, and Airbus ProSky navigation services, merged with Navtech, a leading global provider of flight ops solutions whose flight planning and e-chart capabilities – along with performance-based navigation solutions, aeronautical charts, aircraft performance software and more – compliment Airbus’s offerings. The strategic acquisition and subsequent formation of NAVBLUE positions Airbus as a complete flight operations solutions provider and further develops Navtech’s services, providing customers with integrated aerodata solutions designed for airlines’ digital transformation.

NAVBLUE is a new generation of digital, user-friendly Flight Operations and Air Traffic Management solutions provider. Combining the best of both worlds, it is fuelled by the agility of Navtech and the pioneering spirit of Airbus. It is a leading global provider of flight operations solutions serving more than 400 airlines and aviation service companies across all platforms. NAVBLUE has a proven track record in product innovation and providing its customers with the agile solutions based on the best data, fully supporting them in their digital transformation.

NAVBLUE is a fully owned subsidiary of Airbus and is based in Hersham (UK), Toulouse (France) and Waterloo, ON (Canada), with offices around the world.

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NEC Corporation

NEC Corporation, a Japanese technology company founded in 1899 is a leader in the integration of IT and network technologies that benefit businesses and people around the world. By providing a combination of products and solutions that cross utilize the company’s experience and global resources, NEC’s advanced technologies meet the complex and ever-changing needs of its customers. NEC brings more than years of expertise in technological innovation to empower people, businesses and society.

For more than 50 years NEC has been a leading provider of air traffic control and airport systems in Japan and is continuously expanding its presence in global aviation market. Company’s product portfolio covers vast areas of both CNS/ATM and Airport IT systems.


Membership type: Associate Member
Membership status: Silver
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The NLR is a leading international research centre for aerospace. Bolstered by its multidisciplinary expertise and unrivalled research facilities, NLR provides innovative and integral solutions for the complex challenges in the aerospace sector.

The NLR’s activities span the full spectrum of Research Development Test & Evaluation (RDT & E). Given the NLR’s specialist knowledge and facilities, companies turn to the NLR for validation, verification, qualification, simulation and evaluation.

The NLR thereby bridges the gap between research and practical applications, while working for both government and industry at home and abroad.

NLR was founded in 1919, and is employing some 650 people today. Three-quarters of NLR’s turnover is derived from contract research, the remaining from government funds.

For more information, go to www.nlr.nl.

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Membership status: Silver
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A global technology leader at the heart of our connected world. Powered by the research and innovation of Nokia Bell Labs, we serve communications service providers, governments, large enterprises and consumers, with the industry’s most complete, end-to-end portfolio of products, services and licensing. From the enabling infrastructure for 5G and the Internet of Things, to emerging applications in virtual reality and digital health, we are shaping the future of technology to transform the human experience. A truly global company, we are 160 nationalities working in more than 100 countries.

Our business today goes well beyond the extraordinary technological demand of high performing networks. We are also focused on how technology is deployed and used. Because when we are talking about augmented intelligence, social and trust economics, human and machine interaction, we are talking about trends that bring huge implications for people, for society.

Creating the technology to create the world brings huge opportunity and responsibility – which Nokia is committed to meeting.

We’ve been responding to a changing world for 150 years, and never more so than in the last few. We have brought together the very best people and technology in telecoms from all over the world; from Siemens, Motorola, and Alcatel-Lucent – successfully integrated into Nokia during 2016 - and more recently, Withings, Deepfield and Comptel.

In July of 2017, Nokia Shanghai Bell was created as our exclusive platform in China for the continued development of modern technologies in areas like IP routing, optical, fixed and 5G.

Membership type: Associate Member
Membership status: Silver
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Northrop Grumman Park Air: global presence, local expertise

In 182 countries around the world, more than 61,000 Park Air radio systems are relied upon by civil and defence organisations to deliver their communication services. Park Air technology is vital to the successful operation of small and large ATM systems alike.

ATC communication: civil aviation

The Park Air Sapphire portfolio delivers everything required for future-proof ATM communications. From radio sub-systems and remote control and management networks to voice communication control systems, recorders and civil works.

Defence communication

Park Air’s secure radio solutions deliver optimum capability in the most hostile of environments. Our expertise extends from complex ship-borne systems, nationwide air-defence networks to compact deployable cabin operations. At the heart of the portfolio is the Park Air M7 VHF/UHF radio providing voice, data-link, encryption and frequency hopping capabilities.

Network security

We advise on the most appropriate network assurance approach for the full communications infrastructure, providing connected devices with right levels of security.

We also provide training courses, from the basics of network security through to highly specialised and bespoke modules catering for advanced learners. The courses can be delivered in face-to-face classroom sessions at our UK facility - the Park Air Academy - or at the customer’s facilities. In addition, some modules can be delivered remotely as e-learning modules.

Membership type: Associate Member
Membership status: Silver
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Since it was established in 1988, NTT DATA Corporation has accumulated expertise over the entire process, from consulting to system construction and operation. We have done so through the development of socially embedded, mission-critical IT system infrastructures for such sectors as public administration, healthcare, finance and settlement, as well as in solutions that answers our customers’ management issues.

Besides, NTT DATA Corporation has 30 years of experience in the Aviation Domain, and provided ATM, RDP, ADS and many other systems in this domain. We have an Unix-based Flight Procedure Design system for more than 10 years. Two of ICAO IFPP advisors are working in NTT DATA Group.

Membership type: Associate Member
Membership status: Silver
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Website: www.nttdata.com
PASSUR is an aviation intelligence company that makes air travel more predictable, gate-to-gate, by using predictive analytics generated from our own big data – to mitigate constraints for airlines and their customers.

We provide the largest connected, global aviation customer network which includes thousands of individuals, over 125 airlines, over 60 airports, over 200 business aviation organizations, and the US government.

Our mission is to improve global air traffic efficiencies by connecting the world’s aviation professionals onto a single aviation intelligence platform, making PASSUR an essential element in tackling the $30 billion of system-wide inefficiencies.

Membership type: Associate Member
Membership status: Silver
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PCCW Global Limited

PCCW Global is the international operating division of HKT, Hong Kong’s premier telecommunications service provider, which is majority-owned by PCCW Limited. Covering more than 3,000 cities and 150 countries, the PCCW Global network supports a portfolio of integrated global communications solutions which include Ethernet, IP, fiber and satellite transmission solutions, international voice and VolP services, managed network and security services and our expanding “as-a-service” solutions including OTT video and unified communications.

PCCW Global is headquartered in Hong Kong, and maintains regional centers in Belgium, China, France, Greece, Japan, Korea, Singapore, South Africa, the United Arab Emirates, the United Kingdom and the United States of America. To learn more about PCCW Global, please visit www.pccwglobal.com.

Membership type: Associate Member
Membership status: Silver
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More than half of the world’s population is still without Internet access. Project Loon is a network of balloons traveling on the edge of space, designed to extend Internet connectivity to people in rural and remote areas worldwide. Since beginning in 2013, Project Loon has flown over 27 million km, with a record-breaking balloon staying aloft for 198 days in the stratosphere.

We aim to maintain a fleet of balloons to provide Internet coverage to users on the ground, operating a custom-built system capable of safely and consistently launching a new balloon every 30 minutes.

Membership type: Associate Member
Membership status: Silver Member
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Raytheon Company

Raytheon

Raytheon’s Airspace Management and Homeland Security Systems provides integrated communication, navigation, surveillance and air traffic management solutions for both civil and military air traffic service providers in over 60 countries.

Raytheon focuses on providing our customers with highly reliable sensor and information processing systems with state of the art technology, experienced engineering design and test, and unparalleled support that provide mission critical air traffic management operations worldwide.

With over fifty years of experience in the air traffic management domain, Raytheon is leading the way towards enhancing safety, capacity and efficiency to accommodate the projected growth of air traffic in our World’s skies. Our open architecture surveillance data and flight data processing systems combined with our advanced surveillance systems technology offer low risk and low life cycle cost solutions to meet our customers’ needs for infrastructure modernisation. Raytheon is leading the transition from ground based navigational aids to wide area satellite-based navigation and landing solutions for civil and military applications. To complement this comprehensive line of ATM products, Raytheon offers installation and integration services, support, logistics, documentation and training capabilities, including the FIRSTplusTM advanced ATC simulation system that provides an extremely high level of realism in ATC simulation.

Membership type: Associate Member
Membership status: Gold
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Website: www.raytheon.com
Founded more than 80 years ago, Rohde & Schwarz is one of the world’s leading manufacturers of information and communications technology products for professional users; helping to protect critical infrastructures with products from its various business segments.

Rohde & Schwarz is the only ATC supplier to provide fully integrated voice communications solutions from the microphone to the antenna from a single source. The IP-based system architecture allows virtual control centers to be set up, enabling air traffic controllers to handle airplanes over long distances and across borders without having to hand over to another controller.

For security checks at airports and other access protected areas, our innovative body scanner, using millimeterwave technology and artificial intelligence, automatically detects whether a person is carrying potentially dangerous items on their body or clothing.

Drones represent a security risk when they enter prohibited areas. The drone identification solution from Rohde & Schwarz enables users to detect and locate drones early on using the remote control signal.

Rohde & Schwarz has an extensive sales and service network and is present in more than 70 countries, On June 30, 2017, Rohde & Schwarz had approximately 10,500 employees, about 6,000 of whom work in Germany.

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Membership status: Silver
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Saab serves the global market with world-leading products, services and solutions ranging from military defence to civil security. Saab has operations and employees on all continents and constantly develops, adopts and improves new technology to meet customers’ changing needs. Saab has 13,800 employees. Annual sales are EUR 2.5 billion. Research and development corresponds to about 20 percent of annual sales. In the Air Traffic Management domain Saab is a progressive and reliable partner with strong focus on creating efficient solutions to meet the emerging needs of the ATM world.

Saab solutions are strongly focused on achieving decreased cost, increased capacity, increased security and lower environmental foot-print. Saab’s offer includes:

- Tower Solutions
  - Remotely Operated TWR, ROT
  - Transportable TWR, TRE-TWR,
  - Integrated TWR, i-TWR

- Flight Data Systems
  - Electronic Flight Strip, e-strip
  - Flight Data Processing, FDP

- Weather Systems
  - ATIS
  - AWOS

- Surveillance
  - Radar Display, RDP
  - A-SMGCS
  - ADS-B

- Navigation Aids & Flight Inspection
  - Installation
  - Inspections

- Flow Control
  - Approach Manager, AMAN
  - Departure Manager, DMAN

- Radar Extractor & Command Control

- Turnaround Process
  - Collaborative Decision Making, CDM
  - Airline Operation Centre, AOC
  - Net Centric Airport, NCA

Membership type: Associate Member
Membership status: Silver
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Saudia Airlines started out in 1945 with a single twin-engine DC-3 (Dakota) HZAAX given to King Abdul Aziz as a gift by the U.S. President Franklin D. Roosevelt. This was followed months later with the purchase of two more DC-3s, and these formed the nucleus of what in few years later was to become one of the world’s largest airlines.

Today Saudia Airlines has some one hundred and thirty-nine (139) aircraft, including the latest and most advanced wide-bodied jets presently available.

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Membership status: Silver
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Searidge is a technology innovator providing Remote Tower and Surface Optimization solutions to airports and Air Navigation Service providers (ANSPs) worldwide. Using our video-based technology, we give operators “eyes” where they could not previously see. We help them monitor, manage and control traffic on the airport surface to improve safety and efficiency.

Searidge was the first company to have an operational video system in an air traffic control tower and now with technology at over 30 sites in 16 countries, our video is viewed by the most Air Traffic Control Officers (ATCOs) and airport operations personnel worldwide. To see our video gallery or for more information, please visit www.searidgetech.com.

Membership type: Associate Member
Membership status: Silver
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Since its creation in 1990, SENASA has evolved into the organisation it is today, a dynamic company traditionally devoted to aviation as regards training, consultancy, and technical assistance. It has taken on a major commitment to Air Safety and the Environment, which allows it to play a more significant role in the various activities, which make up the whole aeronautical sector.

Membership type: Associate Member
Membership status: Silver
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Website: [www.senasa.es](http://www.senasa.es)
SITA is the world’s leading specialist in air transport communications and IT solutions. SITA delivers and manages business solutions for airlines, airports, GDSs, governments and other customers over the world’s most extensive network, which forms the communications backbone of the global air transport industry.

SITA’s Aircraft Communications solutions provide Airlines and Air Navigation Service Providers with a valuable means of communication with airline operations centers, air traffic control centers and aircraft manufacturers, improving operational efficiency and enabling air traffic management modernization.

For more information go to www.sita.aero.

Membership type: Associate Member
Membership status: Silver
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SkySoft-ATM's corporate mission is to rethink the design and the implementation of Airport ATM systems.

The company brings innovative solutions to the many challenges of Air Traffic Control.

By combining technical performance and a human approach, SkySoft-ATM achieves high productivity, reliability and safety standards.

User-friendliness and flexibility are the central themes of the company's vision, which leads to custom-made solutions, developed in close cooperation with clients.

SkySoft-ATM is one of the market leaders for recording solutions and has successfully designed and deployed the biggest screen recording projects.

SkyRec is currently recording thousands screens, keyboards and mice as well as radar and voice channels worldwide.

With Albatross, SkySoft-ATM is the initiator of the first open source community in the ATM domain.

SkySoft is targeting the Drone detection vibrant market providing seamless UAV traffic management components.

After 15 years of use of our ATM Solution in operational on large ATCO Simulation environment SkySoft is introducing SKYSIM a multipurpose portable ATM Simulation Solution.

Membership type: Associate Member
Membership status: Associate Silver Member
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Solace provides open data movement technology that can establish an event-driven flow of information and improves the speed and efficiency with which information flows between applications, connected devices, datacentre and clouds. Solace offers efficient publish/subscribe distribution of data, can connect millions of devices and enables the next generation of safe, efficient air transportation by routing real-time aeronautical, flight and weather data, along with data feeds like Traffic Flow Management System (TFMS) between aircraft, Global ATM systems and all kinds of equipment, sensors and users.

Membership type: Associate Member  
Membership status: Silver  
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ST Electronics (Singapore Technologies Electronics Limited), is the electronics arm of Singapore Technologies Engineering Ltd, one of the largest public-listed companies on the Singapore Exchange. ST Electronics is a global engineering company specialising in the design, development and integration of advanced electronics and communications systems. Our capabilities are in Rail & Intelligent Transportation; Satellite & Broadband Communications; Info Comm Technologies; Command & Control operations, Training & Simulation; Intelligent Building & Security Systems and Cybersecurity. We have a presence in over 20 countries spanning North America, Latin America, Europe, Africa, the Middle East, China, India and Southeast Asia.

In the Aviation domain, we have built up a range of capabilities such as atsCAP (Air Traffic Simulator Common Application Platform) which enables us to provide air traffic control simulation systems for Tower, Approach, En-Route and Procedural facilities. We are involved in system supply and integration activities including the provision of VHF communications and ADS-B surveillance in remote locations. For airports, we have developed an Airport Operations Center (AOC) System which facilitates the adoption of A-CDM methodology and processes. It provides a versatile platform for the integration of capabilities such as Pre-Departure Sequencing, resource management, emergency response management, baggage handling and other airport management applications.

Through strategic partnerships with industry leaders we are also involved in advanced technologies such as remote towers, and runway management including A-SMGCS and FOD detection.

For more information, please visit www.stengg.com.

Membership type: Associate Member
Membership status: Silver
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STR-SpeechTech Ltd. (STR) is a leading supplier of text-to-speech systems for mission-critical broadcasting applications. Located in Victoria, Canada, STR has been dedicated to meeting our customers’ needs for high quality speech and signal processing products for over 25 years. Our StarCaster® text-to-speech systems are deployed throughout the world at Air Traffic Control Towers and Flight Service Stations, where the ability to generate clear and consistent aviation information broadcasts is a key component of operational efficiency and safety. StarCaster systems adhere to ICAO and WMO standards and recommendations, and are recognized by the international air traffic management community for their reliability and ease of use.

STR is proud to have over 100 StarCaster ATIS, VOLMET and related systems installed at air traffic facilities throughout Canada and the United States, including facilities managed by NAV CANADA, the FAA, the US Air Force, US Army and US Coast Guard. In addition, our growing international presence includes installations with ANSPs in Argentina, Aruba, Azerbaijan, Brazil, British Virgin Islands, Chile, Colombia, Egypt, Ghana, Iceland, Ireland, Iraq, Mexico, Mozambique, Nigeria, Pakistan, Panama and Tanzania.

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Membership status: Silver
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Tetra Tech AMT is a full service Aerospace operations and IT consulting firm. The company is a subsidiary of the USD $2.3B publically-held company, Tetra Tech, Inc. based in Los Angeles, CA.

AMT has over 25 years of expertise in providing targeted Aerospace-based operational and IT solutions for aviation, space and air transport providers, governments and commercial operators. Our specific areas of expertise are:

- Aerospace Operations Consulting (airspace, air transport and operations)
- Aerospace Safety and Environment
- Federal Aerospace Programs
- Defense Aerospace Programs

The firm is based outside Washington, DC, USA in Arlington, VA.

Membership type: Associate Member
Membership status: Silver
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Thales offers the most complete range of Air Traffic Management solutions, from design and integration, to installation and services.

Thales is uniquely placed to assist its customers’ expansion of their ATM infrastructure. Thales brings increased capacity through its leading-edge technology and integrated solutions for civil aviation and airport authorities worldwide. From Departure to Arrival, Thales’ ATM products cover the entire process.

As the first industry contributor to SESAR, Thales is committed to modernising the European air traffic control system by developing innovative technological solutions for more efficient, higher performance, safer and “greener” procedures. Thales is a unique Space-Air-Ground solutions provider.

As a technology partner in US NextGen modernisation programme, Thales is bridging the Atlantic to foster cooperation in building tomorrow’s air traffic management systems.

ATM Products & Services
- Air Traffic Management Solution
- Simulation Solution
- Air Traffic Flow Management Solution
- Airport Tower Systems
- Global Surveillance Solutions
- Navigation aids
- Aeronautical Information Management Solutions
- Communication Systems
- Extended Services

Membership type: Associate Member
Membership status: Gold
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The MITRE Corporation - CAASD

The MITRE Corporation is a not-for-profit organization, chartered to work in the public interest. MITRE operates the Center for Advanced Aviation System Development (CAASD), a Federally Funded Research and Development Center (FFRDC), for the United States Federal Aviation Administration (FAA).

CAASD is the leading aviation system engineering organization providing technical and engineering expertise in all aspects of aviation and airport safety and security to civil aviation authorities, international airport authorities, airlines and other aviation organizations. MITRE is uniquely qualified to help clients effectively integrate operational needs with technical capabilities and apply proper safety management systems.

MITRE has worked for the FAA for over 50 years and for international organizations for over 40 years; providing objective and unbiased technical and operational safety advice to the aviation community. MITRE has been involved in the research, development, operation and modernization of every facet of national airspace systems in the U.S.

Internationally, CAASD provides technical expertise and services to international civil aviation authorities and air navigation service providers in the areas of strategic planning, modeling and simulation, systems engineering, aviation operations, safety and security and information systems integration and has directly counseled numerous aviation officials on system safety and security.

Membership type: Associate Member
Membership status: Silver
Managing director: Mr. Gregg Leone
Head office: 7515 Colshire Drive, McLean, VA 22102
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Website: www.mitre.org
Website 2: www.mitre.org/employment/index.html
Think Research Limited

What is Think Research?

Think Research is a successful and independent Air Traffic Management (ATM) and Airports consultancy providing expertise and insight to deliver performance improvement through concept development, validation and implementation. Think is based in the UK, with an international customer base.

Who are Think customers?

Think customers include: Government institutions; ATM service and systems providers; airports; aircraft manufacturers and renewable energy companies. In 11 years think has worked with 25 organisations across three continents, making them a truly worldwide consultancy.

What does Think provide for its customers?

Think experts use their knowledge of the current and planned evolution of air transport infrastructure at a national, regional and global level to deliver objective advice to clients on all aspects of ATM and airport operation. Think believes in transparency, simplicity, honesty and value.

What specifically does Think do?

Think staff come from a range of technical and operational backgrounds including engineers, analysts, Air Traffic Controllers (ATCOs) and pilots. Think combines its unique skills with industry leading expertise in:

- Concept validation
- Operational concept development
- Human factors (HF)
- Safety assessments
- Real and Fast Time Simulation
- Modelling
- Operational analysis

Membership type: Associate Member
Membership status: Silver
Managing director: Mr. Conor Mullan
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Country: United Kingdom
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Website: www.think.aero
UFA, Inc. is a leading provider of air traffic control (ATC) simulators, proven voice recognition and response technologies, and airside training simulation systems. We successfully partner with air navigation service providers (ANSPs), airport operators, military organizations, universities and major systems integrators worldwide. Our ANSP customer base includes the FAA, NAV CANADA, DFS Deutsche Flugsicherung, skyguide, and CAAC China. We also support military organizations in the US and Europe.

Since 1979, our turnkey systems have supported comprehensive controller training, integrated multi-team training in handling emergencies and unusual circumstances, ATM research, airport planning and testing of operational systems. Our staff has extensive ATC and aviation experience and is composed of former controllers, technicians, trainers, engineers and pilots. In addition to developing award winning ATC simulation products, our business delivers outstanding after sales support.

Our core products, ATCoach®, ATTower®, ATVoice®, ATView®, ATRadio®, ATSpeak™, ATWorld™, and ATVehicle™ provide high fidelity simulation, part task training and e-learning tools for all phases of air traffic control: tower, terminal, en route and precision approach.

We also empower training outside the classroom by providing students access to our virtual ATC training platform ATCloud™, which allows our award winning simulation products to be delivered over the Internet, “anywhere and anytime”. In addition, our integrated airfield product suite enables multi-discipline, incident response teams to benefit from enhanced training in unusual circumstances and emergencies. They provide a common 3D view of the airfield situation to all, coupled with multiple fully integrated airfield vehicle driving simulators.

Membership type: Associate Member
Membership status: Silver
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The primary goal of Unifly is to facilitate the safe integration of drones into the aviation system. The usage of drones in our airspace is expanding rapidly. In addition to this, drones are too small to be detected by traditional air traffic control radar systems. A management system allowing a safe integration of small drones into the aviation network is urgently needed. This is where Unifly created a solution, called UTMS (Unmanned Traffic Management System).

Unifly UTMS is a software platform that allows the integration of low flying drones into the aviation system while guaranteeing an equivalent level of safety in comparison with manned aviation.

The platform is based on the existing standards and requirements applicable in the aviation industry. Unifly UTMS checks upfront what regulations apply to the location where the drone company plans their operation. It also notifies the drone users and visualizes the drone operations when potential conflicts occur. The real-time position of a drone operation is shared into the aviation system, making it possible to intervene if an unexpected dangerous situation might occur.

The use of aviation standards is especially recognized by Qualified Entities, Civil Aviation Authorities and Air Navigation Service Providers, while the drone users are pleased by the user-friendly interface and the reduction in time to plan their flight, obtain a permit-to-fly, manage their flights and fleet, and validate if they’re allowed to fly at a certain location.

As a result, Unifly won the runner up prize in the European contest organized by SESAR.