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AIRCRAFT and ENGINES

A340 Website

The complete A340 site, with history, downloads, general data, systems, a huge free cockpit video collection and an interactive cockpit with the definition of every switch. Also includes non-A340 cockpit videos. An excellent resource.

www.A340.net

Aerofiles

American-oriented site with data covering 1903 to 2003. No fancy stuff but plain facts, on all US aircraft types (many with photos), Military, and powerplants. Also has a listing of aviation movies.

www.aerofiles.com/

Aircraft Engines

The Aircraft Engine Design site includes an online textbook ("Primer") on Air-breathing engines and an excellent collection of colour photographs of aircraft gas turbine engines

www.aircraftenginedesign.com

Aviation Structural Mechanic textbook

An on-line textbook from the publishers of US military specifications and educational resources. Covers such topics as Aircraft construction and materials; Hardware and seals; Basic hydraulic/pneumatic systems; Actuating systems; Flight control systems; Landing gear/brakes; Welding; and Metallic and non-metallic repair. Each topic has detailed information and clear diagrams.

www.tpub.com/content/aviation/14018

Avionics Terminology

An online aviation dictionary

<http://g.oswego.edu/dl/acs/glossary/glossary.html>

Boeing Commercial Aircraft

Click on "Commercial plane info" then "Product information" for background information, multimedia and technical specifications on all Boeing commercial planes

www.boeing.com/commercial

Boeing 757

A reference site on the B757. Covers aircraft specifications, production list and history, operating procedures, limitations data and systems information

www.757.org.uk

Boeing 767

This reference source on the B767 includes Aircraft specifications, operating procedures, systems information and limitations data.

www.767.org.uk

Guide to Composites

An online series of articles on composites, covering materials, processes and applications.

www.netcomposites.com/education.asp

How stuff works

Excellent site on how things work, with explanations and animated diagrams. The Aviation section includes such topics as gas turbine engines, radial engines, black boxes, fusion propulsion etc. The Engines section includes car engines, rotary, electronic motors, turbochargers, camshafts and so on, and there's also an Automotive section which includes engines, transmissions, brakes, fuel etc.

www.howstuffworks.com

Jetliner Census Data

This Jetliner Database can be searched by Registration Number, Airline/Operator or browsed by manufacturer. Results for a specific aircraft will include number, registration, operator, delivery date, engine model and photos

www.jetphotos.net/census/

Materials information online

MatWeb is a searchable database of material properties including polymers, metals, fibres and other engineering materials.

www.matweb.com/index.asp?ckck=1

Purdue University's Aviation Engineering site

On-line digital material covering Airframes, Powerplants and General maintenance topics. Includes photographs, movie clips and presentation aids.

www.tech.purdue.edu/at/courses/aeml/index.html

Rolls Royce

The Rolls Royce site includes two useful sections: Education, which gives a detailed explanation of how a gas turbine engine works, and Civil Aerospace Engines, which covers all Rolls Royce turbofans, turboprops and turboshafts, including technical specifications & photos.

www.rolls-royce.com

Zap16.com

An informative, mini online encyclopedia of aircraft data. Fact sheets on a variety of aircraft, with their development and operational history, technical data and archival and modern-day photographs.

www.zap16.com



Airlines and Airports

Air China (English site) www.air-china.co.uk

Cathay Pacific www.cathaypacific.com

China Airlines www.china-airlines.com

Emirates www.emirates.com

Dragonair www.dragonair.com

Qantas www.qantas.com.au

Airlines of the WEB <http://flyaow.com/airlinehomepages.htm>

Airlines of the world Links to airline home pages grouped by their home countries

www.kls2.com/airlines

Adelaide Airport

<http://www.aal.com.au/>

Airport Technology

The website for the airport industry – news, projects, products & services, company index etc.

www.airport-technology.com/ includes Dubai International Airport Expansion Phase 2

<http://www.airport-technology.com/projects/dubai/>

and Adelaide International Airport <http://www.airport-technology.com/projects/adelaide/>

Airports.Org

This site is the voice of the Airports Council International, and includes airport traffic statistics around the world. Click on “Traffic data”.

<http://www.airports.org>.

Flight Training Adelaide (FTA)

<http://www.flighttrainingadelaide.com/>

Flight tracking

Real-time flight tracking for over 300 airlines world-wide as well as general aviation aircraft.

www.aeroseek.com/webtrax/

World Aeronautical Database

This website contains aeronautical information on nearly 10,000 airports and over 11,000 nav aids worldwide. Data has been sourced from the National Geospatial-Intelligence Agency (NGA) and the US Dept of Defence.

Search by Airport Name, Navaid Name, Country or US State. Each airport entry contains: General information, Communication, Runways, Nav aids, Suppliers/Equipment, Remarks.

<http://worldaerodata.com>

Aviation medicine and human factors

Aerospace Medicine and Human Factors Home Page

Aeromedical search engines, articles and publications

<http://aeromedical.org/>

FAA Human Factors LINKS

<http://www.hf.faa.gov/l-other.htm>

Flight Safety Foundation

An excellent site on flight safety, including human factors, causes of accidents etc. It has a searchable database with full-text articles. You will need to create a login tied to your email address – this only takes a few seconds. Access is free.

<http://www.flightsafety.org/home.html>

This site includes a Power Point presentation on Threat and Error Management at

http://www.flightsafety.org/ppt/managing_threat.ppt

Human factors in Aviation Maintenance website

<http://hfskyway.faa.gov/>

Aviation news sites

Air Transport World news service

Extremely up-to-date coverage of world aviation news, updated daily. ATW will send an automatic daily update to your email address upon request.

www.atwonline.com/index.cfm

Airwise News Index

Covers worldwide airline, airport and aviation news, updated daily with a two day time lapse. Headlines the latest news and provides a site search engine for total coverage. Also has worldwide flight schedules, currency converter and airport facilities guide.

<http://www.airwise.com/>

AVweb, internet aviation magazine

An online magazine and news service for the aviation enthusiast, American in emphasis

<http://www.avweb.com/>

AviationNow.com

This site brings you the latest news and analysis from the publishers of Aviation Week & Space Technology. It includes business, commercial and military aviation, space news and the future of flight.

<http://www.aviationnow.com/>

Aviation Photos

Airbus Video Clips and more

Videos, images, aircraft drawings and virtual views of Airbus aircraft. For example, the A380 video clips include the first takeoff and landing, maiden voyage and other flights.

http://www.airbus.com/en/myairbus/multimedialibrary/index_mmlib.jsp

Airliners. Net

Photos of aircraft, airports, flight decks and accidents and the history of different aircraft types <http://www.airliners.net>

AirPics Aviation Gallery aviation photos of all kinds, including cockpit photos
www1.airpics.com

Airshows and more photos of Display teams, airliners, military and special photos such as sonic boom, plus wallpapers and screensavers.

www.sky-flash.com/

B777 cockpit



Crash photos

Crash photos, crashed aircraft, photos of incidents, emergency exits, airport fire engines and safety related placards

www.aviation-safety.net/photos/

Jet Photos

Similar to Airliners.net. Photos also link to their Jetliner Census Database

www.jetphotos.net

Maintenance photos and video clips Purdue University's aviation engineering photo site.

<http://www.tech.purdue.edu/at/courses/aeml/index.html>

Plane crash info Photos of famous or unusual crashes – an excellent site.

www.planecrashinfo.com/

CyberExams

Assessment Services Ltd. cyberexams booking system
www.aslexam.com/TOL/

Irex sample examination questions
http://casa.gov.au/fcl/exams/irex_q.htm

On-line practice exam for the CASA CyberExams
<http://casa.gov.au/fcl/exams/cyberexam/cyberprac.htm>

PPL sample exam questions
http://casa.gov.au/fcl/exams/ppl_q.htm

Rob Avery's Avfacts on-line ATPL training - free sample ATPL exams
www.aviationshop.com.au/avfacts/editorial.htm

Government Organisations

Airservices Australia
<http://www.airservicesaustralia.com>

Airservices Australia Aeronautical Information Publications
 Online access to full text of AIPs, AICs, DAPs, DAH and ERSA
www.airservicesaustralia.com/publications

Australian Transport Safety Bureau - Database of Australian accidents/incidents
http://www.atsb.gov.au/publications/investigation_reports/investigation_reports.aspx?mode=avi

Civil Aviation Authority of New Zealand
 Main site at www.caa.govt.nz includes helpful information sheets and the online journal for pilots "Vector".
 See also the New Zealand AIPs online at www.aip.net.nz
 Gives all the NZ IFR plates, IFR Procedures and VFR – basically a free Jepps online

Civil Aviation Safety Authority Australia
 Australia's Aviation legislator. Covers Aviation regulations, Flight Safety Magazine, forms, procedure manuals, Day VFR syllabus, aircraft register etc
<http://www.casa.gov.au>

Full text of aviation legislation is at www.casa.gov.au/rules/

Civil aircraft register - Australia
<http://www.casa.gov.au/casadata/register/index.asp>

Department of Transport (Australia) Aviation policy and legislation
www.dotrs.gov.au/avnapt/index.htm

Federal Aviation Administration

This site includes access to current FAA Regulations, NOTAMS etc

<http://www.faa.gov>

International Air Transport Association

<http://www1.iata.org/index.htm>

International Civil Aviation Organization

Official ICAO site, including the ICAO journal online.

<http://www.icao.int>

ICAO Convention on Civil Aviation Chicago 1944

Full text of all editions of the Convention available online at -

<http://www.icao.int/icaonet/dcs/7300.html>

Full text of the Annexes is no longer available online, but abstracts can be seen at: -

http://www.icao.int/eshop/annexes_list.htm

U.K.Civil Aviation Authority

<http://www.caa.co.uk>

Meteorology

Aviation meteorology theory : free ground school site for Australian aviation meteorology

<http://www.auf.asn.au/meteorology/>

Bureau of Meteorology (Australia)

<http://www.bom.gov.au>

European Aviation Weather Center

Get the latest European weather, infrared and visible weather, rainfall radar, METARS, NOTAMS, SIGMETS and Airport information, including communications, runways and Nav aids.

<http://euro.wx.pilotnet.net/>

Exploring earth: a moment in time

Day and night explained. Animations of the rotating earth, sunrise and sunset, time zones and moving across time zones, with practice questions.

http://www.classzone.com/books/earth_science/terc/content/investigations/es0405/es0405page01.cfm

NASA GlobalWeather Satellite images

An impressive site from NASA's Global Hydrology and Climate Centre, with interactive global geostationary weather satellite images

<http://www.ghcc.msfc.nasa.gov/GOES/>

Landings: Aviation Weather for Pilots

Every weather link known. Includes aviation specific weather, satellite images and weather maps, weather by region and weather servers.

<http://www.landings.com/landings/pages/weather.html>

National Weather Service, USA

Aviation weather, including current and recent METAR reports from around the world, TAF Data Access and explanations of Meteorological Character Codes.

<http://weather.noaa.gov> then click on Aviation Weather

Weather basics

Includes information on winds, jet streams, clouds and fog, storms and many other topics, plus graphics and photographs.

www.usatoday.com/weather/basics/wworks0.htm

Online Journals*Air Transport World*

Gives monthly World Airline Traffic, Top Carriers, news, and the feature article from the current monthly hard copy of Air Transport World and Airport Equipment and Technology Journal.

www.atwonline.com/

AV Web

Magazine and news service, with feature articles, bizav, training and links.

<http://avweb.com/>

Aviation Week & Space Technology

www.aviationnow.com/

Directline

Full-text articles on current issues – human factors, flight training, safety etc.

http://asrs.arc.nasa.gov/directline_nf.htm

Flight International

Full text articles (minus images) from Flight International. Hard copies held in the LRC.

www.flightinternational.com/

Flight Safety Australia (CASA)

Online full-text version of Flight Safety magazine

www.casa.gov.au/fsa/index.htm

Flight Safety Digest

Publication of the Flight Safety Foundation. Each issue is devoted to a subject which is of special importance to the aviation community worldwide. Full text available.

www.flightsafety.org/fsd_home.html

ICAO Journal

Features activities of ICAO and articles on a variety of topics

www.icao.int/

Aviation Maintenance Training magazine

This site enables the aircraft maintenance engineer to access full-text articles published in Aviation Maintenance Training. Categories available include Airframe, Turbines, Human factors, Workplace matters and Safety. Has a search function with search results that give summaries and links to the full text.

www.amtonline.com/publication/pub.jsp

Vector Magazine

A bi-monthly online journal giving practical information on a variety of topics from CAA New Zealand

www.caa.govt.nz/

Pilot sites***Aerodynamics Index***

NASA's Glenn Research Centre presents this detailed course on aerodynamics, which includes animations and interactive simulators

www.grc.nasa.gov/WWW/K-12/airplane/short.html

Scroll down the page for additional buttons to High Speed Aerodynamics and to Propulsion, and for free aerosim software go to:

http://www.grc.nasa.gov/WWW/K-12/freesoftware_page.htm

Airodyssey

Aviation entertainment, and information site. Reviews of air disaster movies, airline TV commercials, aviation quizzes, and a reference section on airline codes, airports, even inflight announcements.

www.airodyssey.net/

Airservices Australia Pilot Centre One-stop shop for pilot information, including documents, charts and the Pilot Briefing Services, and access to Airservices Library Online Catalogue

www.airservicesaustralia.com/pilotcentre/

AOPA Australia

Aircraft Owners and Pilots Association of Australia

www.aopa.com.au/

AOPA (USA)

www.aopa.org/

Aviation abbreviations and acronyms (CASA)

Abbreviations and acronyms found in aviation legislation, operational manuals, in the AIP, associated charts and maps, NOTAMs etc. It also includes the standards for weight and measurement purposes

www.casa.gov.au/rules/abbrev.htm

Day VFR syllabus

Online access to the Day VFR Syllabus on the CASA site

<http://casa.gov.au/fcl/vfrday.htm>

Experimental Aircraft Association

Situated at Oshkosh - the leader in recreational aviation.

www.eaa.org/

Groundschool theory

Australian Ultralight Federation site. Scroll down the page to access the Ground School section, on Flight Theory, Aviation Meteorology, Flight Planning and Navigation and VHF Radio.

www.auf.asn.au/

IFALPA

International Federation of Airline Pilots – the global voice of airline pilots. Includes safety bulletins, news, glossary of aviation acronyms and terms, and online magazine “Interpilot”.

www.ifalpa.org

ILS PRM Approaches

Downloadable video (icon on top left of page) on the operation of TCAS while conducting an ILS-PRM approach Sydney (Kingsford Smith) Airport.

<http://www.airservicesaustralia.com/pilotcentre/projects/prm/changesprm.asp>

iPilot Learning Center Online Articles

Looking for great informative articles? Choose from this database of over 1000 articles ranging from flying in bad weather to dealing with emergencies to trivia.

www.ipilot.com/learn/insider.aspx

Naval Aviators site

Informative site for U.S. student naval aviators. Includes both theory and practice tests with answers.

www.navygouge.com/

Their subsection on Aircraft engines and systems is at

www.navygouge.com/api/basics/ELOs/eng.html

Ozipilots Online

A new online community open to Australian pilots: offers web based email facility, online forums, weather, jokes and an Australian aviation industry directory.

www.ozipilotsonline.com.au

PilotPointer

An American site aimed specifically at pilots, providing world-wide links under subject categories. It covers pilot jobs online, airport & airline information, aircraft markings & registers, flight planning, and airshows.

<http://www.pilotpointer.com/>

Professional Pilots Rumour Network (PPRUNE)

Pilot rumour and news site, plus Wannabes section for training questions, humour, Gallery, pilot mail and much more.

www.pprune.org/

Radiotelephony

The latest edition of the CAA (UK) manual on Radiotelephony is now available online.

<http://www.caa.co.uk/docs/33/CAP413.PDF>

RAAF sites

How to become a pilot in the RAAF. Check out these sites:

<http://www.raaf.gov.au> Go to the People section for details of Air Force life, Cadets and Reserves and Deployed personnel education and training.

For more comprehensive details go to the Air Force section of the Defence Jobs website at :

<http://defencejobs.gov.au>

Runway Safety free online course

AOPA-Air Safety Foundation free online course on runway safety, to help keep pilots focused on the dangers and out of trouble. Takes about one hour, and includes animations, videos and audio sections.

<http://flash.aopa.org/asf/runwaySafety/>

See How It Flies

A new spin on the perceptions, procedures and principles of flight. Aerodynamics, landing and takeoff, cross-country flying, emergency procedures, flight manoeuvres, multi-engines, stalls and spins, decision making and other topics.

www.av8n.com/how/

Smartcockpit

A unique professional training resource for 767-300ER and 737-800 pilots, compiled by a Boeing 767-300 and 737-800 Captain and Type-Rating Examiner. Covers all operational aspects of these airliners, and files can be downloaded free of charge.

www.smartcockpit.com

WhittsFlying

A plain but practical site for both the instructor (heaps of instructor tips) and the student, from first lesson onwards. Plenty of practical flying tips, get to know your aircraft, and also a large IFR section.

<http://www.whittsflying.com>

Psychometric testing

Jung - Myers-Briggs Type Indicator

Free online personality type test.

<http://www.humanmetrics.com/cgi-win/JTypes1.htm>

Pilot Aptitude Training System (PATS)

PATS is a course which develops all the skills needed to pass State Two testing at Qantas. Check this site for availability and location of courses. Payment required.

<http://www.pilotaptitude.com/>

Qantas

The Qantas site has a psychometric test practice leaflet designed to introduce you to the type of tests you will be asked to complete as part of their pilot selection process.

<http://www.qantas.com.au/infodetail/about/employment/QTests.pdf>

SHL Tests

Online practice for maths and verbal reasoning tests as used by Qantas (this company supplies the program to Qantas).

www.shldirect.com

Other tests

Practice IQ tests – very helpful tests but charges made for use

<http://www.psychometrics.co.uk/>

For good general information

<http://www.peoplemaps.co.uk/cvexpert.htm>

These sites let you practice some IQ tests online :

<http://www.universityoflife.com>

<http://www.intelligencetest.com>.

<http://www.gradschools.com/>

<http://www.emode.com>

Safety/Accidents

Accidents

An up-to date general interest web site giving news and reports of airline accidents and incidents www.airdisaster.com

and their online video site showing airline accidents in progress, such as the Twin Towers and the Air France A320 air show crash into a nearby forest.

<http://www.airdisaster.com/movies>

Airsafe

Air safety site with a searchable database of accidents worldwide. Search by Airline, aircraft model, Date, Continent or use Custom Search. This site also cover airport and airline security, airline safety records, passenger issues and air safety links.

www.airsafe.com

Aviation Safety Network

Accidents, safety issues, databases, graphics and much more

<http://aviation-safety.net/index.shtml>

and their excellent accident database <http://aviation-safety.net/database/>

FAA Aviation Safety Data

Go to the Aviation Safety section, click on Safety Data, for access to the International Aviation Accident Summary, a global database of all known accidents involving passenger fatalities.

<http://www.faa.gov>

PlaneCrashInfo

A database of over 3300 air accidents and disasters. Includes a “Last words” section of CVR transcripts, photos, and a collection of cockpit warning sounds (need MP3)

<http://www.planecrashinfo.com>

Search Engines, Directories and Links

Answers - Australian/New Zealand search engine

<http://au.answers.yahoo.com>

Dogpile www.dogpile.com

Google - the world's best search engine www.google.com.au

and for access to research information <http://scholar.google.com/>

Aerolink – Commercial Aviation Directory

An aviation links directory, frequently updated, with over 10,000 web site links, organized in almost 500 categories. Type in your topic and the relevant links will come up.

<http://www.aerolink.com/>

Aeroseek - Aviation Search Engine and Directory

Exclusively aviation oriented search engine organized into categories ranging from Air Carriers to Aircraft Images to Aviation Weather

<http://www.aeroseek.com/>

Avweb Internet Aviation Magazine ...

An online magazine and news service for the aviation enthusiast, sponsored by the AVShop online pilot supply shop. Although American in focus it also contains many full-text articles of more general interest, on such topics as avionics, airmanship, brainteasers, accidents, airshows and training. Includes a comprehensive site search function.

<http://avweb.com/>

Aviation Forum

Hitlist of the 100 top aviation sites based on the average amount of hits within the last five days.

www.avitop.com/aviation

Aviation Reference Desk

Links to the best aviation sites.

www.aviationreferencedesk.com

Aviation Safety Network

Covers safety issues, pictures, accidents, statistics, and links to safety databases

<http://aviation-safety.net/index.shtml>

Flight Safety Foundation

An excellent site on flight safety, including human factors, causes of accidents etc. It has a searchable database with full text articles. You will need to create a login tied to your email address – this only takes a few seconds. Free access.

<http://www.flightsafety.org/home.html>

Flight International journal and database

Contains a database of news articles from past issues of Flight International. The hard copy can be obtained from the LRC.

<http://www.flightinternational.com>

Landings.com

An American search engine featuring bi-weekly aviation news, up-to-date aviation databases, pilot weather, expert advice forums, & focused links.

www.landings.com



A380 Cockpit