

FILE COPY



**CERTIFICATE OF INCORPORATION
OF A PRIVATE LIMITED COMPANY**

Company No. 4782584

The Registrar of Companies for England and Wales hereby certifies that
CASPIAN HOLDINGS LIMITED

is this day incorporated under the Companies Act 1985 as a private
company and that the company is limited.

Given at Companies House, Cardiff, the 30th May 2003



N04782584P



THE OFFICIAL SEAL OF THE
REGISTRAR OF COMPANIES



Companies House
— for the record —

Declaration on application for registration

Please complete in typescript,
or in bold black capitals.

CHFP096

Company Number**4782584****Company Name in full****CASPIAN HOLDINGS LIMITED****I, Philip Mark Wilson (For and on behalf of Severnside Secretarial Limited)****of 1st Floor, 14-18 City Road, Cardiff, CF24 3DL**

[†] Please delete as appropriate.

do solemnly and sincerely declare that I am a [†] ~~Solicitor engaged in the formation of the company~~ [person named as director or secretary of the company in the statement delivered to the Registrar under section 10 of the Companies Act 1985] and that all the requirements of the Companies Act 1985 in respect of the registration of the above company and of matters precedent and incidental to it have been complied with.

And I make this solemn Declaration conscientiously believing the same to be true and by virtue of the Statutory Declarations Act 1835.

Declarant's signature**Declared at 1st Floor 14-18 City Road, Cardiff, CF24 3DL****Day Month Year****On 3 0 0 5 2 0 0 3**

[°] Please print name.

before me ° Brian C. Rangeley**Signed****Date 30 May 2003**

[†] A Commissioner for Oaths or Notary Public or Justice of the Peace or Solicitor

Please give the name, address, telephone number and, if available, a DX number and Exchange of the person Companies House should contact if there is a query.

SEVERNSIDE COMPANY SERVICES**1st Floor 14-18 City Road****Cardiff CF24 3DL Tel 029 20 451444****DX number 33044 DX exchange Cardiff 1**

When you have completed and signed the form please send it to the Registrar of Companies at:

Companies House, Crown Way, Cardiff, CF14 3UZ DX 33050 Cardiff
for companies registered in England and Wales

or
Companies House, 37 Castle Terrace, Edinburgh, EH1 2EB

for companies registered in Scotland

DX 235 Edinburgh

Please complete in typescript,
or in bold black capitals.

CHFP096

**First directors and secretary and intended situation of
registered office****4782584****Company Name in full****CASPIAN HOLDINGS LIMITED****Proposed Registered Office****1st Floor, 14-18 City Road**

(PO Box numbers only, are not acceptable)

Post town**Cardiff****County / Region****Postcode****CF24 3DL**

If the memorandum is delivered by an agent
for the subscriber(s) of the memorandum
mark the box opposite and give the agent's
name and address.

X**Agents Name****Severnside Company Services****Address****14-18 City Road****Post town****Cardiff****County / Region****Postcode****CF24 3DL**

Number of continuation sheets attached

Please give the name, address,
telephone number and, if available,
a DX number and Exchange of
the person Companies House should
contact if there is a query.

Severnside Company Services**14-18 City Road****Cardiff CF24 3DL****Tel 029 20 451444****DX number 33044****DX exchange Cardiff 1**

PUB
COMPANIES HOUSE

PDXSYLDN

0187
30/05/03

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for companies registered in Scotland


DX 235 Edinburgh

Company Secretary

Company Name		CASPIAN HOLDINGS LIMITED	
NAME	*Style / Title		*Honours etc
* Voluntary details		Forename(s)	
Surname		Sevenside Secretarial Limited	
Previous forename(s)			
Previous surname(s)			
Address		14-18 City Road	
Usual residential address			
For a corporation, give the registered or principal office address		Post town	
		Cardiff	
County / Region		Postcode	CF24 3DL
Country			
I consent to act as secretary of the company named on page 1			
Consent signature			Date
			30 May 2003

Directors

Please list directors in alphabetical order

NAME	*Style / Title		*Honours etc
Forename(s)			
Surname		Sevenside Nominees Limited	
Previous forename(s)			
Previous surname(s)			
Address		14-18 City Road	
Usual residential address			
For a corporation, give the registered or principal office address		Post town	
		Cardiff	
County / Region		Postcode	CF24 3DL
Country			
Date of birth		Day	Month
		Year	Nationality
Business occupation			
Other directorships			
I consent to act as director of the company named on page 1			
Consent Signature			Date
		SIGNED ON BEHALF OF SEVERNSIDE NOMINEES LIMITED	30 May 2003

Directors (continued)

NAME	*Style / Title	<input type="text"/>	*Honours etc	<input type="text"/>						
*Voluntary details	Forename(s)	<input type="text"/>								
	Surname	<input type="text"/>								
	Previous forename(s)	<input type="text"/>								
	Previous surname(s)	<input type="text"/>								
	Address	<input type="text"/>								
	Usual residential address	<input type="text"/>								
For a corporation, give the registered or principal office address.	Post town	<input type="text"/>								
	County / Region	<input type="text"/>	Postcode	<input type="text"/>						
	Country	<input type="text"/>								
	Date of birth	<table border="1"><tr><td>Day</td><td>Month</td><td>Year</td></tr><tr><td><input type="text"/></td><td><input type="text"/></td><td><input type="text"/></td></tr></table>	Day	Month	Year	<input type="text"/>	<input type="text"/>	<input type="text"/>	Nationality	<input type="text"/>
Day	Month	Year								
<input type="text"/>	<input type="text"/>	<input type="text"/>								
	Business occupation	<input type="text"/>								
	Other directorships	<input type="text"/>								
		<input type="text"/>								
	I consent to act as director of the company named on page 1									
	Consent Signature	<input type="text"/>	Date	<input type="text"/>						

**This section must be signed by
Either**

**an agent on behalf
of all subscribers**

Signed

Date

Or the subscribers

**(i.e. those who signed
as members on the
memorandum of
association).**

Signed



Date

30 May 2003

Signed

signed on behalf of
SEVERNSIDE SECRETARIAL LIMITED

Date

Signed

Date

Signed

Date

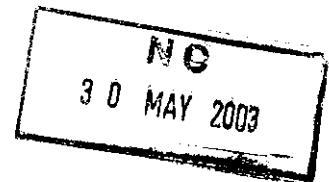
Signed

Date

Signed

Date

THE COMPANIES ACTS 1985 TO 1989



PRIVATE COMPANY LIMITED BY SHARES

MEMORANDUM OF ASSOCIATION

SR 82516

- OF -

CASPIAN HOLDINGS LIMITED

1. The name of the Company is **CASPIAN HOLDINGS LIMITED**.
2. The registered office of the Company will be situate in England and Wales.
3. The objects for which the Company is established are:-
 - (A) To carry on business as a general commercial company.
 - (B) To carry on any other business which may in the opinion of the Board of Directors be advantageously carried on by the Company.
 - (C) To purchase, sell, exchange, improve, mortgage, charge, rent, let on lease, hire, surrender, license, accept surrender of, and otherwise acquire and deal with any freehold, leasehold or other property, chattels and effects; and to erect, pull down, repair, alter, develop, or otherwise deal with any building or buildings and adapt the same for the purposes of the Company's business.
 - (D) To purchase or otherwise acquire all or any part of the business or assets of any person, firm or company, carrying on or formed to carry on any business which this Company is authorised to carry on or possessed of property suitable to the purposes of this Company, and to pay cash or to issue any shares, stocks, debentures or debenture stock of this Company as the consideration for such purchase or acquisition and to undertake any liabilities or obligations relating to the business or property so purchased or acquired.
 - (E) To apply for, purchase or otherwise acquire any patents, licences or concessions which may be capable of being dealt with by the Company, or be deemed to benefit the Company and to grant rights thereout.
 - (F) To sell, let, license, develop or otherwise deal with the undertaking, or all or any part of the property or assets of the Company, upon such terms as the Company may approve, with power to accept shares, debentures or securities of, or interests in, any other company.
 - (G) To invest and deal with the moneys of the Company not immediately required for the purposes of the Company in or upon such securities and subject to such conditions as may seem expedient.
 - (H) To lend money to such persons, upon such terms and with or without security and subject to such conditions as may seem desirable.
 - (I) To guarantee the payment of any debentures, debenture stock, bonds, mortgages, charges, obligations, interest, dividends, securities, moneys or shares or the performance of contracts or engagements of any other company or person (including but without prejudice to the generality of the foregoing) the holding



company of the Company or any company which is a subsidiary of such holding company within, in each case, the meaning of Section 736 and Section 736(A) of the Companies Act 1985 (the "Act") as amended by the Companies Act 1989, and to give indemnities and guarantees of all kinds and to enter into partnership or any joint venture arrangement with any person, persons, firm or company.

(J) To borrow or raise money in such manner as the Company shall think fit, and in particular by the issue of debentures or debenture stock, charged upon all or any of the Company's property, both present and future, including its uncalled capital, and to re-issue any debentures at any time paid off.

(K) To draw, make, accept, endorse, discount, execute and issue promissory notes, bills of exchange, debentures, warrants and other negotiable documents.

(L) To purchase, subscribe for, or otherwise acquire and hold shares, stocks or other interests in, or obligations of, any other company or corporation.

(M) To remunerate any person or company for services rendered or to be rendered in placing or assisting to place any of the shares in the Company's capital or any debentures, debenture stock or other securities of the Company or in or about the formation or promotion of the Company or the conduct of its business.

(N) To pay out of the funds of the Company all costs and expenses of or incidental to the formation and registration of the Company and the issue of its capital and debentures including brokerage and commission.

(O) To promote, or aid in the promotion of, any company or companies for the purpose of acquiring all or any of the property, rights and liabilities of this Company, or for any other purpose which may seem directly or indirectly calculated to advance the interests of this Company.

(P) To establish and support and aid in the establishment and support of funds or trusts calculated to benefit employees or ex-employees of the Company (including any Director holding a salaried office or employment in the Company) or the dependants or connections of such persons and to grant pensions and allowances to any such persons.

(Q) To remunerate the Directors of the Company in any manner the Company may think fit and to pay or provide pensions for, or make payments to, or for the benefit of, Directors and ex-Directors of the Company or their dependants or connections.

(R) To distribute any property of the Company in specie among the Members.

(S) To do all such other things as are incidental or conducive to the attainment of the above objects or any of them.

It is declared that the foregoing sub-clauses shall be construed independently of each other and none of the objects therein mentioned shall be deemed to be merely subsidiary to the objects contained in any other sub-clause.

4. The liability of the Members is limited.

5. The Share Capital of the Company is £1,000 divided into 1,000 shares of £1 each with power to increase or to divide the shares in the capital for the time being, into different classes having such rights, privileges and advantages as to voting and otherwise as the Articles of Association may from time to time prescribe.

The subscriber to this Memorandum of Association, wishes to be formed into a Company pursuant to this Memorandum; and agrees to take the number of Shares shown opposite the subscriber's name

NAME AND ADDRESS OF SUBSCRIBER

Number of
shares
taken by
the subscriber

SEVERNSIDE SECRETARIAL LIMITED
14-18 City Road
Cardiff
CF24 3DL

ONE



signed on behalf of
SEVERNSIDE SECRETARIAL LIMITED

DATED 30 May 2003

WITNESS to the above Signature:-

Philip Wilson
14-18 City Road
Cardiff
CF24 3DL



1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Arar and Collins (1971).

04960

THE COMPANIES ACTS 1985 TO 1989

PRIVATE COMPANY LIMITED BY SHARES

ARTICLES OF ASSOCIATION

- OF -

CASPIAN HOLDINGS LIMITED

PRELIMINARY

1. (a) The Regulations contained in Table A in the Schedule to the Companies (Tables A to F) Regulations 1985 as amended by the Companies (Tables A to F) (Amendment) Regulations 1985 (such Table being hereinafter called "Table A") shall apply to the Company save in so far as they are excluded or varied hereby and such Regulations (save as so excluded or varied) and the Articles hereinafter contained shall be the regulations of the Company.

(b) Any reference in these Articles to "the Act" shall mean the Companies Act 1985 as amended or extended by any other enactment or any statutory re-enactment thereof.

PRIVATE COMPANY

2. The Company is a private company within the meaning of the Companies Act 1985.

ALLOTMENT OF SHARES

3. The Directors of the Company are generally authorised for the purposes of Section 80 of the Act to allot, grant options over or otherwise deal with or dispose of the original shares in the capital of the Company at the date of its incorporation to such persons at such times and on such conditions as they think fit, subject to the provisions of that Section and Article 4 hereof and provided that no shares shall be issued at a discount. In accordance with Section 91 of the Act Sections 89(1) and 90(1) to 90(6) of the Act shall not apply to the Company.

4. The general authority conferred on the Directors by regulation 3 of these Articles shall extend to all relevant securities (as defined by Section 80 of the Act) in the capital of the Company at the date of its incorporation during the period of five years from the date upon which the Company was incorporated but the Directors may, after the authority has expired, allot any shares in pursuance of an offer or agreement so to do made by the Company before the authority expired. The authority may be renewed varied or revoked by the Company in General Meeting.

SHARES

5. The Company shall have a first and paramount lien on all shares, whether fully paid or not, standing registered in the name of any person indebted or under liability to the Company, whether he shall be the sole registered holder thereof or shall be one of two or more joint holders, for all moneys presently payable by him or his estate to the Company. Regulation 8 in Table A shall be modified accordingly.

6. The liability of any Member in default in respect of a call shall be increased by the addition at the end of the first sentence of Regulation 18 in Table A of the words "and all expenses that may have been incurred by the Company by reason of such non-payment."

7. Regulation 3 in Table A shall not apply to the Company and subject to the provisions of Chapter VII of Part V of the Act the Company may:-

(a) with the sanction of an Ordinary Resolution issue shares which are to be redeemed or are liable to be redeemed at the option of the Company or the shareholder.

(b) purchase its own shares (including any redeemable shares).

(c) make a payment in respect of the redemption or purchase, under Sections 159, 160 or 162 of the Act and the relevant power (a) or (b) above, of any of its own shares otherwise than out of distributable profits of the Company or the proceeds of a fresh issue of shares to the extent permitted by Sections 170, 171 and 172 of the Act.

TRANSFER OF SHARES

8. (a) The Directors may, in their absolute discretion and without assigning any reason therefor, decline to register the transfer of a share, whether or not it is a fully paid share, and Regulation 24 in Table A shall not apply to the Company.

(b) Regulation 8(a) of these Articles shall not apply to any transfer to a person who is already a Member of the Company.

9. Subject to Regulation 8 of these Articles, a Subscriber to the Memorandum of Association of the Company may freely transfer his share to any person firm or company.

10. The instrument of transfer of any share shall be executed by or on behalf of the transferor who shall be deemed to remain a holder of the share until the name of the transferee is entered in the register of members in respect thereof.

GENERAL MEETINGS AND RESOLUTIONS

11. Every notice convening a General Meeting shall comply with the provisions of Section 372 of the Act as to giving information to Members in regard to their right to appoint proxies; and notices of and other communications relating to any General Meeting which any Member is entitled to receive shall be sent to the Directors and to the Auditor for the time being of the Company.

12. Regulation 40 in Table A shall be read and construed as if the words, "unless the Company has only one Member in which case one Member present in person or by proxy shall be a quorum" were added at the end.

13. Regulation 41 in Table A shall be read and construed as if the words, "and if at the adjourned Meeting a quorum is not present within half an hour from the time appointed for the Meeting, the Meeting shall be dissolved" were added at the end.

14. In addition to the requirements of Regulation 100 of Table A, the Directors shall also insert in the minute book of the Company a memorandum of all decisions taken by a sole Member when the Company has only one Member which may have been taken by the Company in General Meeting and which have effect as if agreed in General Meeting.

DIRECTORS

15. (a) The first Director or Directors of the Company shall be the person or persons named as the first Director or Directors of the Company in the statement delivered under Section 10 of the Act.

(b) The number of the Directors shall be determined by Ordinary Resolution of the Company but unless and until so fixed there shall be no maximum number of Directors and the minimum number of Directors shall be one. In the event of the minimum number of Directors fixed by or pursuant to these Articles or Table A being one, a sole Director shall have the authority to exercise all the powers and discretions conferred by Table A or these Articles and expressed to be vested in the Directors generally and Regulation 89 in Table A shall be modified accordingly.

(c) A Director shall not require any share qualification but shall nevertheless be entitled to attend and speak at any General Meeting of the Company or at any separate class meeting of the holders of any class of shares of the Company.

(d) Regulation 64 in Table A shall not apply to the Company.

ALTERNATE DIRECTORS

16. (a) An alternate Director shall not be entitled as such to receive any remuneration from the Company except only such part (if any) of the remuneration otherwise payable to his appointor as such appointor may by notice in writing to the Company from time to time direct, but shall otherwise be subject to the provisions of these Articles with respect to Directors. An alternate Director shall during his appointment be an Officer of the Company and shall not be deemed to be an agent of his appointor. Regulation 66 in Table A shall be modified accordingly.

(b) A Director or any other person may act as an alternate Director to represent more than one Director and an alternate Director shall be entitled at meetings of the Directors, or any committee of the Directors, to one vote for every Director whom he represents in addition to his own vote (if any) as a Director.

BORROWING POWERS

17. The Directors may exercise all the powers of the Company to borrow money without limit as to the amount and upon such terms and in such manner as they think fit, and to grant any mortgage, charge or standard security over its undertaking, property and uncalled capital, or any part thereof, and, subject (in the case of any security convertible into shares) to Sections 80 and 380 of the Act to issue debentures, debenture stock, and other securities whether outright or as security for any debt, liability or obligation of the Company or of any third party.

PROCEEDINGS OF DIRECTORS

18. Subject to the provisions of Section 317 of the Act, Regulation 94 in Table A shall not apply to the Company and a Director may vote as a Director in regard to any contract or arrangement in which he is interested or upon any matter arising thereout, and if he shall so vote his vote shall be counted and he shall be reckoned in estimating a quorum present at any meeting when any such contract or arrangement is under consideration.

19. It shall not be necessary for Directors to sign their names in any book which may be kept for the purpose of recording attendance at meeting.

20. All or any of the members of the board or any committee of the board may participate in a meeting of the board or that committee by means of a conference telephone or any communication equipment which allows all persons participating in the meeting to hear each other. A person so participating shall be deemed to be present in person at the meeting and shall be entitled to vote or be counted in a quorum accordingly. Such a meeting shall be deemed to take place where the largest of the group of those participating is assembled, or, if there is no such group where the Chairman of the meeting then is.

DISQUALIFICATION OF DIRECTORS

21. The office of a Director shall be vacated if he becomes incapable by reason of illness or injury of managing and administering his property and affairs and Regulation 81 of Table A shall be modified accordingly.

ROTATION OF DIRECTORS

22. The Directors shall not be required to retire by rotation nor shall the Directors or any of them be required to retire from office at the first annual general meeting and Table A shall be modified accordingly.

THE SEAL

23. If the Company has a seal it shall be used only with the authority of the Directors or of a committee of the Directors. The Directors may determine who shall sign any instrument to which the seal is affixed and unless otherwise so determined it shall be signed by a Director and by the Secretary or by a second Director. The obligation under Regulation 6 of Table A relating to the sealing of share certificates shall apply only if the Company has a seal. Regulation 101 in Table A shall not apply to the Company.

INDEMNITY

24. (a) Regulation 118 in Table A shall not apply to the Company. Every Director or other officer of the Company shall be indemnified out of the assets of the Company against all losses or liabilities which he may sustain or incur in or about the execution and discharge of the duties of his office or otherwise in relation thereto, including any liability incurred by him in defending any proceedings, whether civil or criminal, in which judgment is given in his favour or in which he is acquitted or in connection with any application under Sections 144 or 727 of the Act in which relief is granted to him by the court, and no Director or other officer shall be liable for any loss, damage or misfortune which may happen to or be incurred by the Company in the execution of the duties of his office or in relation thereto. But this Article shall only have effect in so far as its provisions are not avoided by Section 310 of the Act.

(b) The Directors shall have power to purchase and maintain at the expense of the Company an insurance policy for any Director (including an alternate Director), Officer or Auditor of the Company against any such liability as is referred to in Section 310(1) of the Act.

NAME AND ADDRESS OF SUBSCRIBER

SEVERNSIDE SECRETARIAL LIMITED
14-18 City Road
Cardiff
CF24 3DL

A handwritten signature in black ink, appearing to be 'R. Wilson', written over a horizontal line.

signed on behalf of
SEVERNSIDE SECRETARIAL LIMITED

DATED 30 May 2003

WITNESS to the above Signature:-

Philip Wilson
14-18 City Road
Cardiff
CF24 3DL

A handwritten signature in black ink, appearing to be 'Philip Wilson', written over a horizontal line.