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Legal and Administrative Structure of SNBTS since 1970

Notes

- (a) SNBTS has endeavoured to provide accurate information that covers the period of interest to the Inquiry.
- (b) Where roles have been described for bodies or organisations, these are stated according to the understanding of SNBTS. Specific information on the terms of reference and precise details of membership and dates of committees etc may be available within the papers held by these bodies.
- (c) Some of the individuals named in this document are now deceased.

1. Introduction

A national blood transfusion organisation for Scotland was formally constituted on 5th March 1940 and was named the Scottish National Blood Transfusion Association (SNBTA). The SNBTA was constituted as a charitable body. It was responsible for the Regional Transfusion Centres (RTC's) in Aberdeen, Dundee, Edinburgh, Glasgow and Inverness. Each Centre had a Director and a Regional Blood Donor Organiser.

When the National Health Service (NHS) was created, the SNBTA continued as a charitable body but the Secretary of State for Scotland took over all of its Centres, equipment, vehicles and paid staff. In 1950, a unit for the preparation of products from blood plasma, the Blood Products Unit (BPU) was created, and sited with the Edinburgh Regional Transfusion Centre in a newly constructed centre at the Royal Infirmary of Edinburgh (RIE). The BPU was renamed the Scottish Protein Fractionation Centre (PFC) in April 1970. The activities of the SNBTA were overseen by the Scottish Home & Health Department (SHHD).



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In April 1974 the functions of the SNBTA were transferred to the newly created Common Services Agency for the Scottish Health Service (CSA) as part of a major reorganisation of the NHS in Scotland, forming a division of CSA named the Scottish National Blood Transfusion Service (SNBTS). The SNBTA remained as a charitable body to represent blood donors. At the same time, an SNBTS Headquarters Unit was established at Ellen's Glen Road in Liberton, Edinburgh, adjacent to a newly constructed facility for the manufacture of plasma products to which PFC re-located during 1974.

The CSA, [since 2004 commonly known as NHS National Services Scotland (NSS)], is a Non-Departmental Public Body constituted under the National Health Service (Scotland) Act 1978. Among several other National Services delivered for the NHS, the statutory duties of the CSA include the provision of supplies of human blood for blood transfusion and the production of blood products as described under Article 3 (a) of the National Health Service (Functions of the Common Services Agency) (Scotland) Order 1974.

The CSA was overseen by the SHHD which was represented by senior officers, including the Deputy Chief Medical Officer, at meetings of the CSA Management Committee and at meetings of the Blood Transfusion Sub-Committee of the CSA Management Committee which functioned between 1978 and 1990.

In addition to overseeing the CSA, the SHHD organised and chaired an annual meeting with Scottish Haemophilia Directors and SNBTS Directors, from 1973, to consider the provision of blood products for the treatment of people with haemophilia. SHHD officials continued to dialogue directly with SNBTS on specific matters. The SHHD, whilst maintaining close links with the Department of Health & Social Security (DHSS)/Department of Health in London, was administered by the Department of the Secretary of State for Scotland.



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Finance arrangements for the blood supply: Blood and blood products prepared by the SNBTS have always been centrally funded and supplied free of any direct charge to Health Boards and hospitals. Since 1974, the SNBTS has been funded through the Common Services Agency which in turn receives its financial allocations from the Scottish Government (and in the past from the Scottish Home and Health Department and the Scottish Executive). Details of the arrangements by which SNBTS makes application for funds for ongoing work and for new developments have varied over the period of interest to the Inquiry. In general, forecasts of activity, developments and financial requirements have been submitted to the Common Services Agency which has determined the resources to be made available. However, the Scottish Government (or its predecessors) has also been involved in decisions about resourcing SNBTS, especially in the case of major new developments arising from UK national policy decisions, such as the general introduction of a new donor screening test.

2. CSA and the Administration of the SNBTS

(a) Location of CSA

Period	Address
1973-2004	Trinity Park House, Edinburgh
2004-to date	Gyle Square, 1 South Gyle Crescent, Edinburgh

(b) Names and Titles of the Main Principals of the CSA

The names of the main principals/office holders/chairpersons of the CSA are given below.

CSA Position	CSA Post-Holder	Dates
Chair	Mr Simpson Stevenson	1973-1977
	Mr A R Miller	1977-1983
	Sir Simpson Stevenson	1983-1987
	Mr Donald Macquaker	1987-1991
	Mr Don Cruickshank	1991-1993
	Mr Gavin Anderson	1993-1994
	Mr Geoff Scaife	1994-1998
	Mr Graeme Millar	1998-2004
	Mr David Campbell	2004-2008



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	Mr Bill Matthews	2008-to date
Secretary (This post became, in effect, the General Manager post in 1986/87)	Mr Angus McPhee	1973-1981
	Mr John R Y Mutch	1981-1987
General Manager / Chief Executive	Mr Jim Donald	1986-1995
	Mr Francis Gibb	1995-2000
	Mr Ron Smith	2000
	Mr Eric Harper Gow	2000-2002
	Mr Stuart Bain	2002-2007
	Mr Ian Crichton	2007-to date
Treasurer / Director of Finance	Mr John Morrison	1973-1989
Director of Finance	Mr Trevor Callaway	1989-1995
	Mr Eric Harper Gow	1995-2000
	Mr Alan Harper (acting)	2000-2002
	Mr Scott Haldane	2002-2008
	Ms Christine McLaughlin (acting)	2008-2009
	Mr Simon Belfer	2009-to date

(c) The Administration of CSA

The CSA was overseen by the Scottish Home & Health Department (SHHD) and operated under a Management Committee which had a Blood Transfusion Service (BTS) sub-committee, which met quarterly, to specifically administer the SNBTS. The CSA BTS sub-committee was dissolved in 1990 when a post of General Manager was established for SNBTS, reporting to the CSA General Manager. Prior to this, the SNBTS National Medical Director/National Medical & Scientific Director, the Director of PFC and the Regional Transfusion Directors were each directly accountable to the CSA Management Committee. Subsequently these SNBTS posts were made accountable to the new post of SNBTS General Manager.

Since 1974 the CSA has had a varying number of divisions in addition to SNBTS. (see Appendix 1 for details)

3. The Scottish National Blood Transfusion Service (SNBTS)

3.1 Administrative Structure of SNBTA/SNBTS

In 1970 the SNBTA comprised five Regional Transfusion Centres (RTCs) and one Protein Fractionation Centre (PFC). These were:

- East of Scotland Blood Transfusion Service at Ninewells Hospital Dundee,
- Edinburgh & South East Scotland Blood Transfusion Service at the Royal Infirmary of Edinburgh (RIE),



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- Glasgow & West of Scotland Blood Transfusion Service at Law Hospital, Carluke,
- North East of Scotland Blood Transfusion Service at Forresterhill Hospital, Aberdeen,
- North of Scotland Blood Transfusion Service at Raigmore Hospital, Inverness,
- Protein Fractionation Centre at the Royal Infirmary of Edinburgh (RIE).

Each Regional Transfusion Service was headed by a medically qualified Regional Transfusion Director (RTD) who was responsible for the management of all of the activities of their Centre. Although not explicitly stated in all their job descriptions, the RTDs were considered accountable to the CSA Blood Transfusion Sub-Committee (BTSC) of the CSA Management Committee until 1990 when the post of SNBTS General Manager was established. From 1990 to 1998 the RTDs were accountable to the SNBTS General Manager/National Director on managerial aspects and have been professionally accountable to the National Medical & Scientific Director (NMSD). From 1998 to March 2009 Clinical Directors continued to be accountable on managerial aspects to the National Director and on professional aspects to the NMSD. From April 2009 the Clinical Directors have been accountable to the Associate Medical Director, who is accountable to the NMSD.

The SNBTS National Medical Director/ National Medical & Scientific Director was accountable to the BTSC until 1990 when the post became accountable to the General Manager on professional/managerial aspects. The current SNBTS National Director is accountable to the NSS Chief Executive and is an Executive Director of the CSA/NSS Board.

The PFC was headed by a Scientific Director who was responsible for the management of all of the activities of PFC and was accountable to the Management Committee of the CSA until 1991. Thereafter the post was accountable to the SNBTS General Manager/National Director.



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The SNBTS Directors held regular meetings to plan and co-ordinate their activities (both 'Directors' Meetings and 'Co-ordinating group' meetings – see below).

- 1974 SNBTS Headquarters Unit was created to co-ordinate the activities of the SNBTS Centres
National Medical Director and National Administrator posts established
National Medical Director, or an RTD nominated by him, chaired the regular meetings of SNBTS directors' (both 'Directors' meetings and 'Co-ordinating Group' meetings [see Table below]) to plan and co-ordinate their activities
- 1979 SNBTS Headquarters Laboratory was created to undertake research under the direction of the National Medical Director
- 1990 General Manager (GM) post established
National Medical Director post was renamed to encompass scientific matters as National Medical & Scientific Director (NMSD)
SNBTS Headquarters Laboratory was renamed the National Science Laboratory with a Director who reported to the NMSD
SNBTS Directors' meetings became the 'SNBTS Management Board' and continued to meet regularly, under the chair of the GM. The SNBTS Management Board acted as advisors to the GM who was the accountable officer
Co-ordinating Group was replaced by a Medical & Scientific Committee (MSC) under the chair of the NMSD
- 1996 General Manager post renamed as National Director (ND)
- 1998 Following a strategic review, SNBTS underwent a major reorganisation mostly along national functional lines rather than regional lines. A new National Directorate was established for Donor Services, Manufacturing and Logistics (known as the Supply Chain)



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under a single Operations Director and the number of centres where processing and testing was carried out was reduced to two. A National Quality Directorate was formed along with other national support services. Hospital blood banking and related functions remained distributed in the SNBTS Regional Centres and the Regional Transfusion Directors became Clinical Directors. PFC remained as a National Directorate along with a National Reagents Directorate (Diagnostics Scotland, later re-named Alba Biosciences)

- 2002/3 There was a wide-ranging review of the governance and accountability of the CSA ("the CSA Review") by SGHD. During this review the majority of stakeholders commenting upon SNBTS believed that alternative governance arrangements would be better, with a preferred option for SNBTS to become an independent organisation. Whilst this was not the final recommendation various changes were made including the National Director of SNBTS becoming an Executive Director of the CSA Board and the CSA Board adopting the governance structure of other Health Boards, including a Clinical Governance Committee and the centralisation of certain support services
- 2007 There was a review of SNBTS governance arrangements carried out at the request of NSS (CSA) Board to improve alignment of SNBTS Governance Committees with NSS governance committees. MSC and the SNBTS Clinical Governance Committee were merged to form the SNBTS Clinical Governance and Safety Committee (under the chair of the NMSD) to advise both SNBTS Management Board and to independently report to the NSS Clinical Governance Committee. SNBTS also formed an Audit Performance and Risk Committee
- 2008 Further Governance reviews by the NSS CEO and Board established the formation of "Support Groups", including Clinical Support, Corporate Support, Business Support and Health Support. SNBTS became a part the Health Support Group. SNBTS National Director is executive lead for the Health Support Group

Details of the principal SNBTS committees are given in the table below:

SNBTS Committee	Dates	Frequency	Chair*	Role
Regional Directors meeting	to 1974	Every 2-3 months	Senior RTD Director	To co-ordinate the management of SNBTS Centres
Directors Meeting	1974-1990	Every 2-3 months	NMD	To co-ordinate professional aspects of SNBTS centres
Co-ordinating Group	1974-1990	Every 1-3 months	NMD	To co-ordinate the management of SNBTS centres
SNBTS Management Board	1990-to date	Every 1-2 months (normally monthly since 1997)	ND	To manage SNBTS functions
Medical & Scientific Committee	1990-2007	Every 1-3 months	NMSD	To consider medical and scientific matters
Clinical Governance & Safety Committee	2007 to date	monthly	NMSD	To consider medical, scientific, and regulatory matters and develop policy recommendations (this group formed in 2007 from the merger of the SNBTS MSC and SNBTS Clinical Governance Group – a sub committee of the SNBTS Management Board set up in 2001 to oversee clinical governance)
SNBTS Factor VIII Study Group	1982-87	As required	NMD	To plan and co-ordinate Factor VIII developments within SNBTS. Four working groups were established to address: <ul style="list-style-type: none"> • factor VIII assays • plasma quality • factor VIII yield & purity • product safety
SNBTS Product Development Group	1989-2006	quarterly	NMD/NMSD	To plan and co-ordinate the development of plasma products and blood components.

* NMD denotes National Medical Director; NMSD denotes National Medical & Scientific Director; ND denotes National Director.



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A major re-organisation of SNBTS took place in 1998, as a result of which responsibilities for blood donor management, blood collection, processing and distribution were transferred from the 5 RTC's to new National Directorates reporting to the National Director.

These Directorates were:

- Supply Chain (including Donor Services, Manufacturing and Logistics),
- Protein Fractionation,
- Quality,
- Research,
- Finance and procurement
 - Human Resources,
 - Information Technology
 - Estates

Aspects of Finance and IT, and HR and Estates in their entirety, were subsequently centralised within the CSA/NSS in 2006.

Hospital blood banking, provision of advice and information on transfusion medicine to hospitals and some diagnostic laboratory services remained based in the Regional Centres. The RTDs were re-designated Clinical Directors and formed a new Clinical Directorate under the NMSD.

3.2 The Main Functions of SNBTS

Functions provided by the 5 Regional Transfusion Centres up to 1998, and thereafter by the new directorate structure, -

- recruitment and selection of blood donors
- collection of whole blood, plasma and platelet donations

- testing of donations
- processing of blood donations to prepare blood components for transfusion and plasma for fractionation
- distribution of SNBTS blood components to hospital blood banks in Scotland
- distribution of SNBTS plasma products
- blood banking (the operation of hospital blood banks). This involves the maintenance of blood component stocks to meet a hospital's needs and the selection and supply of compatible blood components when required by individual patients. This is a 24 hour service that requires laboratory testing of patients and must be prepared at all times to respond effectively to emergencies. In some hospitals the hospital blood bank was and still is operated by SNBTS (namely, the Edinburgh Royal Infirmary, Gartnavel Hospital (Glasgow), Aberdeen Royal Infirmary, Ninewells Hospital (Dundee) and Raigmore Hospital (Inverness). In the remaining hospitals, covering approximately half the population, the blood bank was, and is, a part of the hospitals' own laboratory service under the responsibility of the Health Board (see Appendix 2 for details of Health Board and private hospital administered blood banks)
- undertaking research and development

Some of the RTC's also provided the following:

- clinical immunology laboratory services
- transplant immunology laboratory services
- preparation of blood grouping reagents

Each RTC was managed by a medically qualified RTD who was responsible for all of the activities, as listed above, at their Centre. However, RTC medical staff did not have direct clinical responsibility for the care of patients and were not clinically responsible for the

transfusion of patients. The scope of the RTC responsibilities changed substantially as a result of the 1998 directorate reorganisation (see section 3.1).

Senior SNBTS staff also provided information and advice on specialist matters to SHHD, DOH and to other national and international bodies as required.

The main functions of the Protein Fractionation Centre were:

- the manufacture of medicinal products from human plasma supplied by the SNBTS and Northern Ireland BTS
- the supply of resultant plasma products to RTCs for distribution to Health Boards in Scotland and Northern Ireland
- the undertaking of research and development in relation to plasma products

The Director of PFC and other senior personnel provided information and advice on matters of plasma fractionation to SHHD, DOH and to other national and international bodies as required



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4. Details of SNBTA / SNBTS Units

4.1 SNBTA Head Office

(a) Location

Period	Address
To 1974	5 St Colme Street, Edinburgh EH3 6AE

(b) Names and Titles of the Main Principals

Post	Post-Holder	Dates
President	The Rt Hon The Earl of Rosebery	To 1974
Medical Secretary	Dr I S MacDonald	To 1974
Secretary	Mr N A Milne	To 1974
Treasurer	Mr C G M Pearson	To 1974

4.2 SNBTS Headquarters

(a) Location

Period	Facility	Address
1974-to date	Head Office	21 Ellen's Glen Road, Edinburgh EH17 7QT
1980-2000	Research Laboratories	Bristo Place, Edinburgh
2000–to date	Research Laboratories	21 Ellen's Glen Road, Edinburgh EH17 7QT

(b) Names and Titles of the Main Principals

The principal posts at the SNBTS Headquarters unit were:

- National Medical Director (1974-1990)
- National Administrator (1974-1990)
- National Medical & Scientific Director (from 1990)
- General Manager (from 1990)
- National Director (from 1996)

The post-holders of these and other main principal posts at the Headquarters Unit are given in the tables below

Post	Post-holder	Dates	SNBTS Committee membership
National Medical Director	Major General Hugh C Jeffrey	1974 -1977	Directors (Chair 1974-77)
	John Wallace (acting)	1977-1978	Directors (Chair 1977 – 1978)

National Medical Director/National Medical & Scientific Director	Prof John D Cash	1979-1996	Directors (Chair 1978-1990) Co-ordinating Group (Chair 1980-1990) SNBTS Management Board (1990-1996) Medical & Scientific Committee (Chair, 1990-1996) Factor VIII Study Group (Chair 1982-1987) Product Development Group (Chair 1989-1996)
National Medical & Scientific Director	Prof Ian M Franklin	1996 – to date	SNBTS Management Board (1995-to date) Medical & Scientific Committee (Chair, 1996 – 2007) Clinical Governance & Safety Committee (Chair 2007 to date) Product Development Group (Chair 1996-2005)
Associate Medical Director	Dr Marc Turner	2009 to date	SNBTS Management Board (2009 to date) Clinical Governance & Safety Committee (2009 to date)
General Manager	Mr David McIntosh	1990 - 1996	SNBTS Management Board (Chair 1990 -1996)
	Mr Francis Gibb (acting)	1996	SNBTS Management Board (Chair 1996)
National Director	Mr Angus McMillan-Douglas	1996 - 2003	SNBTS Management Board (Chair 1996 - 2003)
	Mr Keith Thompson	2004 – to date	SNBTS Management Board (Chair 2004 to date) NSS Board
National Administrator	Ms Morag Corrie	1974 – 1990	Directors (1974-1990) Co-ordinating Group (1974-1990)
Following the Reorganisation in 1998:			
Corporate Issues Director	Mr James Blythe	1996 - to date	SNBTS Management Board (1996 to date)

Strategy Director	Dr D Brian McClelland	2001-2004	SNBTS Management Board (2001-2004)
Head Public Affairs	Mrs Lynne Kidd	2000 to date	SNBTS Management Board (2005 to date)
Operations Director	Diane Connor	1999 - 2001	SNBTS Management Board (1999) Medical and Scientific Committee (2000-2001)
	Mr Martin Bruce	2001 to date	SNBTS Management Board (2001 to date) Medical and Scientific Committee (2001-2007) Clinical Governance & Safety Committee (2007 to date)
National Finance & Business Manager	John Francis	1990-1994	SNBTS Management Board (1990-1994)
Finance Director	John Francis	1997-2000	SNBTS Management Board (1997-2000)
	Anne-Marie Ingram	2001-2005	SNBTS Management Board (2001-2005)
	Mrs Hazel Thomson (Acting)	2005-2007	SNBTS Management Board (2005-2007)
	Mrs Hazel Thomson	2007 to date	SNBTS Management Board (2007 to date)
National Quality Director	Mr Martin Bruce	1997-2001	SNBTS Management Board (1997-2001) Medical and Scientific Committee (1993-2001)
	Dr George Inglis	2001-2003	SNBTS Management Board (2001-2003) Medical and Scientific Committee (2001 – 2003)
	Dr Bruce Cuthbertson	2003 – to date	SNBTS Management Board (2003 – to date) Medical and Scientific Committee (2004-2007) Clinical Governance & Safety Committee (2007 to date)
Tissue Services	Dr George Galea	1999 to date	SNBTS Management Board (1999 – to date)

			Medical and Scientific Committee (1999 - 2007) Clinical Governance & Safety Committee (2007 to date)
Research and Development Director	Dr Christopher V Prowse	1990 to date	SNBTS Management Board (1990-to date) Medical and Scientific Committee (1990-2007) Clinical Governance & Safety Committee (2007 to date)
Clinical Directors	Refer to sections 4.5 to 4.9		
PFC Director	Refer to section 4.3		
National Microbiology Reference Unit Director	Dr Edward Follett Dr Brian Dow	1991-1995 1995 to date	Medical and Scientific Committee (1997-2007)



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SNBTS Headquarters Laboratory/National Science Laboratory

The principal post at the SNBTS Headquarters Laboratory/National Science Laboratory is:

- Director

A Product Services department was created in 1987 to manage SNBTS activities associated with clinical trials, the Product Services Manager reporting to the NMSD. The post-holders and other senior staff of the Laboratory are given in the table below.

Post	Post-holder	Dates	SNBTS Committee membership
Head/Senior Scientist	Dr Duncan S Pepper	1979 - 1990	Factor VIII Study Group 1982-87
Director	Dr Christopher V Prowse	1990-to date	SNBTS Management Board (1990-to date) Medical and Scientific Committee (1990-2007) Clinical Governance & Safety Committee (2007 to date) Factor VIII Study Group (1982-1987) Product Development Group (1989-2006)

(c) Administrative Structure

Prior to 1990, all senior staff of the Headquarters Unit reported to the National Medical Director. From 1990, all senior staff reported to the Director of the National Science Laboratory who in turn reported to the National Medical & Scientific Director.

4.3 The Protein Fractionation Centre

(a) Location

Period	Address
1950 - 1974	Blood Transfusion Service, Royal Infirmary of Edinburgh, Lauriston Place, Edinburgh
1974/75-2008	21 Ellen's Glen Road, Liberton, Edinburgh EH17 7QT

(b) Names and Titles of the Main Principals

The principal posts at the Blood Products Unit/Protein Fractionation Centre were:

- Scientific Director/Director
- Deputy Scientific Director (1967-1975)
- Heads of Departments (from 1974)

Specific functional departments established from April 1974 were:

- Production, • Quality, • Engineering Maintenance, • Project Engineering, • R&D/Development, • Administration/Business Services.

Details of the main principal post-holders are given below.

Post	Post-holder	Dates	SNBTS Committee Membership
Head of BPU	Dr Drummond Ellis	1950 - 1966	Not known
Superintendent/ Scientific	Mr John G Watt	1967 - 1983	Directors (1967-1983)

Director			Co-ordinating Group (1980-1983) Factor VIII Study Group (1982-1983)
PFC Scientific Director became PFC Director in 1984	Dr Robert J Perry	1984 – 2006	Directors (1984-1990) Co-ordinating Group (1984-1990) SNBTS Management Board (1990-2004) Medical and Scientific Committee (1990-2004) Factor VIII Study Group (1982-1987) Product Development Group (1989-2004) Coagulation Factor Working Party (1988 – 2003)
	Dr Katherine Reid (acting)	2003 - 2006	SNBTS Management Board (2003-2006) Medical and Scientific Committee (2004-2006) Product Development Group (2004-2006)
	Mr Richard Blythe (interim)	2006 - 2007	SNBTS Management Board (2006-2007) Medical and Scientific Committee (2006-2007)
	Dr Ronald V McIntosh	2007 - 2009	SNBTS Management Board (2007-2009)
Deputy Scientific Director	Dr James K Smith	1967 - 1975	
R&D Manager / Development Manager	Dr Peter R Foster	1974 - 2009	Factor VIII Study Group (1982-1987) Product Development Group (1989-2005)
Quality Manager	Dr James K Smith	1974-1975	
	Ms Moira R Patterson	1975- 1980	
	Dr Robert J Perry	1980- 1984	Factor VIII Study Group (1982-1983)

	Dr Bruce Cuthbertson	1984-2004	Factor VIII Study Group (1982-1987) Product Development Group (1994-2006)
	Mr Fraser Leslie	2004-2006	
	Mr Derek Edwardes	2006-2007	
	Ms Susan Goldwyre	2007-2008	

(c) Administrative Structure

Each Department Head reported to the Scientific Director of the PFC. From April 1974 the Scientific Director, chaired a regular meeting of Department Heads/Management Team. From 1986, the Head of R&D/Development Manager chaired a Development Review Group/Development Team to plan and co-ordinate product and process development activities within PFC.

4.4 National Microbiology Reference Services

(a) Historical Microbiology Reference Testing Facilities

1. Hepatitis Reference Laboratory - Edinburgh

From around 1973 to 1991, diagnostic virology services for Aberdeen, Dundee and Edinburgh SNBTS Regional Transfusion Centres were provided by the Hepatitis Reference Laboratory in the University of Edinburgh, Department of Medical Microbiology (Head: Dr John Peutherer). This laboratory provided confirmatory testing to SNBTS for blood donations shown to be reactive by routine testing at the Regional Transfusion Centres for hepatitis B virus (HBV) (1973-1991). The laboratory also worked on the

AIDS virus [originally known as LAV or HTLVIII and now known as HIV] and undertook reference testing for this virus from 1985 to 1991. Dr (now Professor) Peter Simmonds had a consultancy agreement with SNBTS from 1993 to 2001 providing medical and scientific input and, in 1990, was instrumental in pioneering the routine application to blood donor screening of nucleic acid tests for hepatitis C virus (HCV) in conjunction with Dr Peng Lee Yap (SNBTS consultant). These tests went on to be used for the reference service and later for routine testing of blood donations testing.

2. Hepatitis Reference Laboratory - Glasgow

From 1973 to 1991, diagnostic virology services for Glasgow and Inverness SNBTS Regional Transfusion Centres and also for the Northern Ireland Blood Transfusion Service (NIBTS, Belfast) were provided by the Hepatitis Reference Laboratory in the Regional Virus Laboratory at Ruchill Hospital, Glasgow, headed by Dr Edward Follett. This laboratory provided confirmatory testing to SNBTS for blood donations shown by routine testing at the Regional Transfusion Centres to be reactive for hepatitis B virus (HBV) (1973-1991) and HIV (from 1985 to 1991).

In addition from 1974 to 1983 (dates approximate), SNBTS employed Dr Robert Sommerville as a Consultant Virologist. Dr Sommerville was based at Belvidere Hospital, Glasgow (infectious diseases hospital). He was also employed as a lecturer at Glasgow University Medical School and was part of the Bacteriology Dept at Glasgow Royal Infirmary. His role was principally to advise on viral antibody screening. SNBTS had a group of staff based at Belvidere Hospital performing screening of donation for antibodies to various infectious agents relevant to the production of immune globulin products (e.g. measles, cytomegalovirus).

(b) Current SNBTS National Microbiology Testing Services:

In 1991, the SNBTS National Microbiology Reference Unit (NMRU) and the SNBTS PCR (Polymerase Chain Reaction) Reference Laboratory were set up to replace the role of the above diagnostic virology service facilities.

1. National Microbiology Reference Unit

In 1991, the SNBTS National Microbiology Reference Unit (NMRU) was set up at the Regional Virus Laboratory, Ruchill Hospital, Glasgow (headed by Dr Edward Follett [1991-1995], then Dr Brian Dow [1995- to date]), to provide confirmatory testing for HBV, HIV and HCV for all SNBTS and NIBTS. The NMRU was relocated to The West of Scotland Transfusion Service at Law Hospital, Carluke in 1998 and then transferred to the new west of Scotland RTC at Gartnavel Hospital, Glasgow in 2002.

2. The PCR Reference Laboratory

The SNBTS PCR Reference Laboratory was set up in the University of Edinburgh, Department of Medical Microbiology in 1991 under the supervision of Dr Peter Simmonds (made formal through a consultancy agreement with SNBTS from dates 1993 to 2001) followed by Dr Juraj Petrik (1999 to date). This laboratory originally provided confirmatory Nucleic acid Amplification Technology (NAT) testing for NMRU for samples indeterminate for HCV antibody during confirmatory testing. HCV NAT testing of plasma pools was introduced in 1996. Routine testing for HCV by NAT in blood donations was introduced in 1999 and conducted by the SNBTS NAT Minipool Testing Lab. The PCR Reference Laboratory provided testing for all plasma used in plasma products manufactured by SNBTS until 2006. Confirmatory NAT testing for HIV, HBV and HTLV has been introduced in the past decade



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and routine NAT HIV screening of blood donations was implemented in 2003. The PCR Reference Laboratory and NAT Minipool Testing Laboratory moved from the University of Edinburgh Medical School, Department of Microbiology to the University of Edinburgh, Laboratory of Clinical and Molecular Virology, Edinburgh in 1999 and to SNBTS Liberton site in 2009.

In 1999 the PCR Reference Laboratory was renamed the NAT Reference Laboratory and it, together with the NAT Minipool Testing Laboratory, became part of the Transfusion Transmitted Infection (TTI) Group, led by Dr Juraj Petrik.

4.5 Edinburgh & South-East Scotland Blood Transfusion Service

(a) Location

Period	Facility	Address
1950-2003	RTC	Edinburgh Royal Infirmary, Lauriston Place, Edinburgh
2003 to date	Supply Chain Directorate and testing.	Edinburgh Royal Infirmary, Lauriston Place, Edinburgh
2003-to date	Clinical Directorate, SE Centre	Edinburgh Royal Infirmary, Dalkeith Road, Little France, Edinburgh

(b) Names and Titles of the Main Principals

The main principal posts at the Edinburgh & S.E. Scotland Blood Transfusion Service were:

- Regional Director



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- Medical Consultants
- Regional Donor Organiser

Details of post-holders for these and other senior posts are given below.

Post	Post-Holder	Dates	Membership of SNBTS Committees
Regional Director	Dr C P Stewart	1940-1946	Not known
	Dr A C McRae	1946-1947	Not known
	Dr Robert A Cumming	1948-1974	Director (to 1974)
	Dr John D Cash	1974 - 1979	Director (1974-1979)
	Dr D Brian McClelland	1979 - 2001	Director (1979-1990) Co-ordinating Group (1980-1990) SNBTS Management Board (1990 -2001) Medical and Scientific Committee (1990-2001)
(Job title changed to Clinical Director following reorganisation of the service in 1998)	Dr Marc Turner	2001- to date	SNBTS Management Board (2001 to date) Medical and Scientific Committee (2001-2007) Clinical Governance & Safety Committee (2007 to date)
Regional Donor Organiser /Donor Services Manager	Ms Helen White	1940 -1974	
	Ms Marie Thornton	1979-1997	
	Mrs Moira Carter	1997 – to date	SNBTS (April 1997 – to date)

SNBTS Medical Consultants	Dr John D Cash	1966-1974	
	Dr Stanislaw J Urbaniak	1974-1980	
	Dr Brian McClelland	1977-1979	
	Dr Francis Boulton	1980-1995	Factor VIII Study Group (1982-1987)
	Dr Anne Smith	1982-1983	
	Dr Peng Lee Yap	1982-2009	
	Dr John Gillon	1985 to date	
	Dr William Murphy	1990-1997	
	Dr Audrey Todd	1995-2000	
	Dr L Manson	2000 to date	
	Dr Marc Turner	1997 to date	
Senior Scientific Staff	Dr Duncan S Pepper	1969-1979	
	Dr Christopher V Prowse	1976-1990	Factor VIII Study Group (1982-1987)
	Dr Robert Hopkins	1970-1985	

(c) Administration

All senior staff reported to the Regional Director until national re-organisation in 1998, then to appropriate National Directorate Manager.

4.6 Glasgow and West of Scotland Blood Transfusion Service



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(a) Location

Period	Facility	Address
1950-2002	RTC Donor Centre	Law Hospital, Carluke, Lanarkshire ML8 5ES
1980s-2002	City Centre permanent session	St Vincent's Street, Glasgow (Prior to this West Regent Street
2002-present	RTC Donor Centre	Shelley Road, Garthnavel Hospital Glasgow G12 0XB
2004-present	City Centre permanent session	Nelson Mandela Square, Glasgow

(b) Names and Titles of the main Principals

The principal posts at the Glasgow and West of Scotland Blood Transfusion Service were:

- Regional Director
- Deputy Regional Director
- Medical Consultants
- Regional Donor Organiser

The post-holders for these and other senior posts are given in the table below.

Post	Post-holder	Dates	Membership of SNBTS Committees
Regional Director (Job title changed to Clinical Director following the strategic review of the service in 1998)	Prof. N Morris	Before Dr John Wallace	Not known
	Dr John Wallace,	to 1978	Directors (to 1978)
	Dr Ruthven Mitchell	1978-1995	Directors (1978-1990) Co-ordinating Group (1980-1990) SNBTS Management Board (1990-1995) Medical and Scientific Committee (1990-1995)
	John Francis (acting)	1995-1996	SNBTS Management Board (1995-1996)
	Prof. Ian M Franklin	1996-1997	SNBTS Management Board (1996-1997) Medical and Scientific Committee (1996-1997)
	Dr Christopher V Prowse (acting)	1997	SNBTS Management Board (1997) Medical and Scientific Committee (1997)
	Dr Rachel Green	1997 – to date	SNBTS Management Board (1997-present) Medical and Scientific Committee (1997-2007) Clinical Governance & Safety Committee (2007 to date)
Deputy Regional Director	Mr George Milne	to 1974	
	Dr Ruthven Mitchell	1974 - 1978	
	Dr Donald Hopkins	1989 - 1994	
Regional Donor Organiser/Donor Services	Miss Nan Swan	Before Mr Ian Armour	

Manager			
	Mr Ian Armour	Before Mrs Moira Eadie	
	Mrs Moira Eadie	1990 - to date	
Medical Consultants	Dr Ruthven Mitchell	1968-1974	
	Dr Robert J Crawford	1974 – 1992	
	Dr G S Gabra	1977-1989	Factor VIII Study Group
	Dr Donald Hopkins	1965 -1989	
	Dr Myrtle Peterkin	1984 - 2008	
	Dr Rona Watkins	1992 - to date	
Senior Scientific staff	Dr Angus Munro	1974 - 1984	
	Professor Robin Fraser	1976 - to date	
	Dr Edward Follett*	1991 - 1998	
	Dr Brian Dow*	1974 - to date	Medical and Scientific Committee (1997 – 2007)

(c) Administration

All senior staff reported to the Regional Director until national re-organisation in 1998, then to the appropriate National Directorate Manager.

National Microbiology Reference Unit (NMRU) (1991 – present). Director and staff reported direct to the National Medical and Scientific Director.

4.7 The East of Scotland Blood Transfusion Service (Dundee RTC)

(a) Location

Period	Address
1940-1973	Dundee Royal Infirmary
1973-present	Ninewells Hospital, Dundee

(b) Titles and Names of the main Principals

The principal posts at the East of Scotland Blood Transfusion Service (Dundee RTC) were:

- Regional Director
- Regional Donor Organiser

Details of the post-holders are given in the table below.

Post	Post-Holder	Dates	Membership of SNBTS Committees
Regional Director	Prof. D F Cappel	1940 to ?	Not known
	Dr Charles Cameron	to 1981	Directors (to 1981) Co-ordinating Group (1974-1981)
(Job title changed to Clinical Director following the strategic review of the service in 1998)	Dr Ewa Brooks	1981- 1996	Directors (1981-1990) Co-ordinating Group (1981-1990) SNBTS Management Board (1990 – 1996) Medical and Scientific Committee (1990-1996)
	Dr George Galea	1996 – May 1999	SNBTS Management Board (1996-1999) Medical and Scientific Committee (1996-1999)
	Dr Samuel Rawlinson	June 1999 – to date	SNBTS Management Board (1999-to date) Medical and Scientific Committee (1999-2007) Clinical Governance & Safety Committee (2007 to date)
Regional Donor Organiser/Donor Services Manager	Ms Ethna Gray	1972-2000	
	Mrs Jacqueline Millar	2001 - to date	

(c) Administration

All senior staff reported to the Regional Director until national re-organisation in 1998, then to appropriate National Directorate Manager.

4.8. The North-East of Scotland Blood Transfusion Service (Aberdeen RTC)

(a) Location

Period	Address
1940 - 1993	Foresterhill Hospital, Aberdeen
1993 – to date	Blood Transfusion Centre, Foresterhill Road, Aberdeen

(b) Names and Titles of the Main Principals

The principal posts at the North East of Scotland Blood Transfusion Service (Aberdeen RTC) were:

- Regional Director
- Regional Donor Organiser

The details of post-holders are given in the table below.

Post	Post-Holder	Dates	Membership of SNBTS Committees
Regional Director	Prof. J Cruickshank	1940 – 1962	not known

Regional Director	Dr Brodie Lewis	1963 – 1982	Directors (1963 – 1982) Co-ordinating Group (1974-1982)
Regional Director (Job title changed to Clinical Director following the strategic review of the service in 1998)	Dr Stanislaw J Urbaniak	1982 – 1999	Directors (1982 – 1990) Co-ordinating Group (1982-1990) SNBTS Management Board (1990 – 1999) Medical and Scientific Committee (1990-1999)
Acting Clinical Director	Dr Stanislaw J Urbaniak	2000 – 2001	Medical and Scientific Committee (2000-2001)
Acting Clinical Director	Dr Sam Rawlinson	2001 – 2002	SNBTS Management Board (2001-2002) Medical and Scientific Committee (2001-2002)
Clinical Director	Dr Henry Hambley	2002 – 2006	SNBTS Management Board (2002-2006) Medical and Scientific Committee (2002-2006)
Clinical Director	Dr Marc Turner	2006 – to date	SNBTS Management Board (2006-to date) Medical and Scientific Committee (2006-2007) Clinical Governance & Safety Committee (2007 to date)
Regional Donor Organiser/Donor Services Manager	Ann Cordiner	Pre 1984	
	Susan Eadie	1986/7 – 1989	
	Pamela Jack	1990-1995	
	Tom McQuillan	1995-1999	
	Lynne Willdigg	2000 to date	

(c) Administration

All senior staff reported to the Regional Director until national re-organisation in 1998, then to appropriate National Directorate Manager.

4.9 The North of Scotland Blood Transfusion Service (Inverness RTC)

(a) Location

Period	Address
1948-1970	Royal Northern Infirmary, Inverness
1970- to date	Raigmore Hospital, Inverness

(b) Names and Titles of the Main Principals

The principal posts at the North of Scotland Blood Transfusion Service (Inverness RTC) were:

- Regional Director
- Regional Donor Organiser

The details of the post-holders are given in the table below.

Post	Post-Holder	Dates	Membership of SNBTS Committees
Regional Director	Dr H J R Kirkpatrick	1940- 1960	Not known

	Dr Ian Cook	1960-1982	Directors (1960-1982) Co-ordinating Group (1974-1982)
	Dr Discombe/Dr Vosylius (acting/locum)	1982-1983	
	Dr William Whitrow	1983-1993	Directors (1983-1990) Co-ordinating Group (1983-1990) SNBTS Management Board (1990–1993) Medical and Scientific Committee (1990-1993)
	Dr George Galea	1993-1996	SNBTS Management Board (1993-1996) Medical and Scientific Committee (1993-1996)
	Dr Tom Ferguson(acting)	1996-2000	Medical and Scientific Committee (1996-2000)
Clinical Director (Job title changed to Clinical Director following the strategic review of the service in 1998)	Dr Peter Forsyth	2000 –to date	SNBTS Management Board (2000-to date) Medical and Scientific Committee (2000-2007) Clinical Governance & Safety Committee (2007 to date)
Regional Donor Organiser	Violet Christie	1970-1983	
	Caroline Armstrong	1984	
	Lyn Forbes	1984-1986	
	Marianne Grieg	1986 - 2003	
	Katie Moir	2003 to date	

(c) Administration



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All senior staff reported to the Regional Director until national re-organisation in 1998, then to the appropriate National Directorate Manager

5. SNBTS Participation in National Bodies

It is necessary to distinguish between instances where a member of staff represented SNBTS as an organisation and where members of SNBTS staff were invited as experts acting in an individual capacity.

5.1 National Bodies on which SNBTS was Represented

National bodies (UK wide unless otherwise stated) on which SNBTS was represented are given in the table below. Further information on these bodies, including their terms of reference, should be obtained from the parent organisation. Given the period of time encompassed, this list may be incomplete.

Body	Role	Frequency	SNBTS Representative	Dates of membership (approximate)
RTD Meetings (England & Wales)	To co-ordinate the work of transfusion centres in England & Wales	5/6 meetings per annum	National Medical Director/National Medical & Scientific Director (observer)	1972 – mid 1980's to date
National Consultative Committee on Blood Transfusion	To advise DHSS on the organisation and operation of the blood transfusion service	As required	Scottish representation still unknown	Not known
Central Consultative Committee on Blood Transfusion	Scottish Committee providing advice to the SHHD on issues in the field of blood transfusion	3-4 meetings per annum	National Medical Director Regional Directors PFC Director	1970-1975
Advisory Committee on the National Blood Transfusion Service	To advise the DHSS on the co-ordination of the development and work of RTCs and the Central Blood Laboratories in England & Wales , and the English & Welsh BTS and those of Scotland & N. Ireland	As required	National Medical Director/National Medical & Scientific Director (observer)	1980 - 1986

National Blood Service Donor Consultants and Medical Practitioners Committee (England and North Wales)	To revise criteria for the selection of blood donors	As required	East of Scotland BTS Regional Director	1980's
Joint UKBTS/NIBSC ^a Professional Advisory Committee (JPAC)	To produce professional guidelines for the operation of blood transfusion services. See JPAC standing advisory committee.	3/4 times per annum	SNBTS representation across various posts. Current SNBTS representation includes: NMSD National Quality Manager R&D Director	1985–to date
JPAC standing advisory committees [SAC] include:				
Transfusion transmitted infections [SAC TTI]	To advise the UK BTS on matters concerning the viral safety of blood and blood products	3 or 4 times per annum	SNBTS representation across various posts. Current SNBTS representation includes: NMSD, Director NMRU	Throughout the lifetime of the committee
Blood Components [SAC BC]	To provide advice on the safety and quality of blood components to the UK Transfusion Services/NIBSC Joint Professional Advisory Committee.	3 or 4 times per annum	SNBTS representation across various posts. Current SNBTS representation includes: R&D Director (Chair)	Throughout the lifetime of the committee
Donor Care and Selection [SAC DCS]	To devise the donor selection criteria and formulation of donor selection guidelines for the UK to ensure the safety of the blood supply and donors.	3 or 4 times per annum	SNBTS representation across various posts. Current SNBTS representation includes: National Donor Services Manager Associate Specialist (Inverness) Medical Director (donors)	Throughout the lifetime of the committee
SNBTS/SHHD/Haemophilia Directors Meeting	To plan provision of haemophilia treatment products in Scotland	Annual (a sub-committee called	National Director National Medical Director/National	1990-to date 1979-to date

		the 'Coagulation factor Working Party' met more frequently	Medical & Scientific Director SNBTS Directors PFC R&D/Development Manager HQ/NSL Product Services Manager	1979-to date 1979-2006 1987-to date
UK Haemophilia Directors Meeting	To report on and plan provision of haemophilia treatment on the UK	Annual	National Medical Director/National Medical & Scientific Director PFC Director Medical Consultant SE Scotland BTS	1979-1996 1971 - 2006 1980-1990
UK Forum	To Coordinate activities of UK Blood Services	4 times per annum	National Director National Medical and Scientific Director	1998 to date 1998 to date
SNBTA	Scottish Association representing interests of blood donors	Annual	National Donor Services Manager Head of Public Affairs	1997 to date 2000 to date
Clinical Users Group (replaced by Scottish Clinical Transfusion Advisory Committee in 2007)	To oversee the strategic reorganisation of the SNBTS which centralised processing and testing in two Units based in Glasgow and Edinburgh.	4 times per annum	NMSD PFC Director Manager, Better Blood transfusion programme (BBTP)	1999 - 2006 1999-2006 1999 - 2006 1999 - 2006
Scottish Clinical Transfusion Advisory Committee	To promote the delivery of safe, best transfusion practice for patients in Scotland, provide a formal interface between SNBTS and HTCs, promote adherence to relevant legislation, encourage clinical transfusion research, advise on methods to support the above aims at national and local level.	4 times per annum	NMSD Associate Medical Director Operations Director Transfusion Practitioner Lead Laboratory Manager	2007 to date 2007 to date 2007 to date 2007 to date 2007 to date

^a NIBSC denotes National Institute for Biological Standards and Control.

5.2. National Bodies with Invited Experts from SNBTS acting in a Personal Capacity

National advisory bodies on which SNBTS employees sat as invited experts are given below. Further information on these bodies, including their terms of reference, should be obtained from the parent organisation. Given the period of time encompassed, this list may be incomplete.

Note: this does not include membership of Editorial Boards of UK Journals.

Body	Role	Frequency	SNBTS Expert	Dates
Advisory Group on Testing for the Presence of Hepatitis Associated Antigen and its antibody (HAA)	To advise DHSS on methods and policy of screening blood donations for the presence of hepatitis B.	As required	Dr John Wallace, Director Glasgow & West of Scotland BTS Dr J D Cash, National Medical Director	1970-75 1978
MRC Working Party on Post-Transfusion Hepatitis	To obtain information on the incidence of post-transfusion hepatitis and to establish the frequency of markers of hepatitis B in blood donors	As required	Dr John Wallace, Director Glasgow & West of Scotland BTS	1971
Advisory Group on Hepatitis	To advise DHSS on all matters concerning hepatitis. To provide medical advice to the Chief Medical Officer of the Health Department of the United Kingdom on all aspects of communicable hepatitis.	As required	Not known for SNBTS. SHHD in attendance	1980
Joint Steering Committee on Blood Product Production	To advise DHSS on the production of blood plasma products within the NHS	As required	Mr John G Watt	1973-1983

Committee on Safety of Medicines, biologicals sub-committee	To advise CSM on the licensing of biopharmaceutical products	Approx. 3-4 times per annum or as required	Mr John G Watt, Director of PFC Dr R Perry, Director of PFC	1976 - 1983 to 1986 but not PFC 1986-1989
Technology Working Party	To consider options for manufacturing technology for the new BPL and to advise DHSS accordingly	As required	Mr J G Watt (Director of PFC) Dr PR Foster (Head of R&D PFC) Dr A J MacLeod (Research Scientist, PFC) Mr A Ross (Research Scientist PFC).	1980/81
Committee on Review of Medicines; sub-committee on immunological products	To advise CSM on the licensing of immunological products	Not Known	Mr John G Watt	1978-1986
British Pharmacopoeia, sub-committee on blood products	To advise the Pharmacopoeia on monographs/standards for blood and blood products	1-2 per annum + correspondence	Mr John G Watt Dr R Perry, Director of PFC	1974 – 1983 to 1993 but not PFC Mid 1980's
MRC working party on Factor IX concentrates	To advise the Medical Research Council on coagulation factors for the treatment of haemophilia B	Not Known	Mr John G Watt	1974-1978
MRC Blood Transfusion Research Committee	To promote research into post-transfusion hepatitis	Approx. 4 meetings in total then disbanded	Dr Brian McClelland, Director Edinburgh & SE Scotland BTS	1980 - 1982
National Institute for Biological Standards & Control, Scientific Advisory Committee	To advise NIBSC board on scientific matters		Prof JD Cash	
National Institute for Biological Standards & Control; Board	To oversee the work of NIBSC	Not Known	Prof JD Cash	
Expert Advisory Group on AIDS	To advise DHSS on matters concerning AIDS	2/3 times/year	Prof J Cash, National Medical Director/National Medical & Scientific Director Dr B McClelland, Director Edinburgh & SE Scotland	1985- to 1985-1990 and 2004-2007

			BTS	
vCJD Incidents Panel, blood products working party	To advise DOH on matters concerning the risk of vCJD via blood or blood products	As required	Dr M Turner, Edinburgh RTC Dr P Foster, PFC	2004 – to date 2004
Advisory Committee on the Virological Safety of Blood (ACVSB) (Became MSBT in 1993/4)	To advise DHSS/UK Health Dept Ministers on matters of policy concerning viral safety of blood and blood products	3 per year	Dr R Mitchell, Director Glasgow BTS Dr R Perry, Director PFC.	1989- 1993/4 1989-1993
Advisory Committee on the Microbiological Safety of Blood and Organs (MSBT/MSBTO) – (in 2007 MSBTO was disbanded. A new body was appointed: Advisory Committee on the Safety of Blood, Tissues and Organs (SaBTO)	To advise the UK Government Health Department/Ministers on policy issues concerning the microbiological safety of blood and tissues (subsequently also included organs in its remit)	3/4 times per annum and ad hoc as required	Dr R Perry, Director PFC Dr R Mitchell, Director Glasgow BTS Dr Brian McClelland, Director Edinburgh & SE Scotland BTS	1993 - 2004 1993/4 - ? 1995-
Advisory Committee on the Safety of Blood, Tissues and Organs (SaBTO)	To advise the UK Government Health Department/Ministers on policy issues concerning the microbiological safety of blood and tissues and organs.	4 times per annum	Dr M Turner, Edinburgh RTC Dr Ian Franklin, NMSD Dr George Galea, Tissue Services Director	2007 to date 2007 to date 2007 to date
British Blood Transfusion Society (Council)	An organisation working to enhance blood transfusion expertise since 1983	3 times per annum	Prof JD Cash (president) Dr C V Prowse Mr Martin Bruce	1997-1999 1999-2002 2004-2007 1988-1990
British Committee for Standards in Haematology (BCSH) Blood Transfusion Task Force	This is a sub-committee of the British Society for Haematology (BSH). The primary purpose of the BCSH is to provide haematologists with up to date advice on the diagnosis and treatment of haematological disease by the production of evidence based guidelines.		Various SNBTS staff have been members, appointed for specific expertise: B McClelland	

Royal College of Pathologists Council	Professional Management of Royal College	8 times per annum	Professor Ian Franklin	2003-2005 (elected councillor)
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6. SNBTS Participation in International Bodies

6.1 International Bodies on Which SNBTS Was Represented as an Organisation

Body	Role	Frequency	SNBTS Representative	Dates
European Plasma Fractionation Association (now International Plasma Fractionation Association)	To advance plasma fractionation activities of the not-for-profit sector in Europe	As required	National Director PFC Director	1991-2005
European Blood Alliance	To advance blood transfusion activities within Europe	twice per annum	National Director National Medical & Scientific Director	1999to date

6.2. International Bodies With Invited Experts From SNBTS Acting in a Personal Capacity

Note – this does not include memberships of wider international committees such as memberships of Editorial Board of International Journals.

Body	Role	Frequency	SNBTS Expert	Dates
WHO working party on plasma fractionation	To produce WHO guidelines for the preparation of plasma products	As required	Mr J G Watt, PFC Director	1977
European Pharmacopoeia sub-committee on blood products	To advise the European Pharmacopoeia on pharmaceutical specifications for blood and blood products		Mr John G Watt	1975-1989
ISTH sub-committee on fibrinogen	To co-ordinate international activities concerning fibrinogen for medicinal use.	Bi-annual	Dr RV McIntosh, PFC Production Manager (joint chair)	

7. Named Bodies (as defined in the request received from the Penrose Inquiry on 12/05/2009)



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7.1. Headquarters Unit

(see section 4.2)

7.2. Registry

The Registry is an archive of papers pertaining to the management of SNBTS which is held by the SNBTS Quality Directorate.

7.3. Protein Fractionation Centre

(see section 4.3)

7.4. Factor VIII Study Group

(see section 3.1)

7.5. Microbiological Validation Group - A group was set up within SNBTS and named the Microbiology Quality Assurance Sub-Group from the early 1980's to date with a remit to evaluate microbiology test kits which included membership from each Regional Centre. In addition the SNBTS had a Centre of Responsibility for Microbiology (at Law Hospital), which was superseded by a SNBTS Microbiology Kit Evaluation Group and is currently called the Microbiology Test Evaluation Group (MTEG). The SNBTS is unaware of a group called the 'Microbiology Validation Group'. There is also an equivalent English group (KEG, attended by the Director of NMRU). See section 4.4 of this document for details of SNBTS microbiology reference services.

7.6. Ethics Committee

Ethics Committees were associated with Health Board Hospitals. The SNBTS has a Committee for Governance of Blood and Tissue samples for non-therapeutic use (Sample Governance) which was formed in 2003 and reviews all requests for non-therapeutic



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issues of blood and tissue to evaluate feasibility, ethics and consent. Ethical Committee oversight of clinical trials of SNBTS plasma products was undertaken within each hospital participating in the trial(s). Clinical consultant investigators were responsible for obtaining ethical committee approval, not SNBTS staff.

7.7. National Science Laboratory

(see section 4.2)

7.8. Scottish Regional Directors Committee

(see section 3.1)

7.9. SNBTS Directors

(see section 3.1)

7.10 Scotland and Northern Ireland Factor VIII Working Party

(see section 5.1, SHHD/Haemophilia Directors meeting(a sub-committee of this was known as Coagulation Factor Working Party))

7.11 Edinburgh and South-East Scotland Regional BTS

(see section 4.5)

7.12 Glasgow and West of Scotland Regional BTS - - (National Microbiology Reference Unit)

(see sections 4.4 and 4.6).



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7.13 East of Scotland Regional BTS

(see section 4.7)

7.14 Aberdeen and North-East Scotland Regional BTS

(see section 4.8)

7.15 North of Scotland Regional BTS

(see section 4.9)



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APPENDIX 1

COMMON SERVICES AGENCY/NHS NATIONAL SERVICES SCOTLAND

DIVISIONS



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COMMON SERVICES AGENCY/NHS NATIONAL SERVICES SCOTLAND

DIVISIONS

Date	Division formed	Date Change	Note
1 April 1974	Headquarters (CSA)		
1 April 1974	Building Division	1994	• Privatised became part of WS Atkins
1 April 1974	Central Legal Office		
1 April 1974 1 April 1988	Communicable Diseases (Scotland) Unit Environmental Health (Scotland) Unit	1993 2004	• Joined with the Environmental Health (Scotland) Unit to become the Scottish Centre for Infection and Environmental Health • Renamed Health Protection Scotland
1 April 1974 1 April 1974	Dental Estimates Prescription Pricing Division	1991 1991 Aug 1999	• Changed name to Dental Practice Division • Pharmacy Practice Division • Practitioner Services Division formed from Dental Practice Division/Pharmacy Practice Division to form Practitioner Services Division • GP Payments TUPE from 15 Health Boards • Scottish Dental Reference Service TUPE from Scottish Government
1 April 1974 1975 1989 2008	Information Services Division Data Centre formed Department of Health Service information Systems National Information Systems Group formed as separate Division from ISD	1986/87 1990 1995 1995/96 2003/04 1990	• Renamed Information and Statistics Division • ISD moved to the Management Executive in the Scottish Home and Health Department (now SGHD) • ISD returned to CSA. • ISD and Data Centre merge and elements privatised to become part of CSC • ISD renamed back to Information Services Division • Transferred with ISD to SHHD and remained as part of Scottish Government



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Date	Division formed	Date Change	Note
1 April 1974	Scottish Health Education Unit	April 1980 1991	<ul style="list-style-type: none"> Merged with Scottish Council for Health Education and renamed Scottish Health Education Group Became independent organisation called the Health Education Board for Scotland (now known as Health Scotland).
January 2001	Public Health Institute of Scotland	April 2003	Merged with HEBS
1 April 1974	Scottish Ambulance Service	1995	Became Independent NHS Trust
1 April 1974 1978	Scottish National Blood Transfusion Service Scottish Antibody Production Unit	1998 2004 2007 2007	<ul style="list-style-type: none"> SAPU merged with the National Reagents Unit of SNBTS to become Diagnostics Scotland (part of SNBTS). Diagnostics Scotland renamed Alba Bioscience Alba Bioscience privatised. Commencement of closure of Protein Fractionation Centre
1 April 1974 1977	Scottish Health Service Centre Management Education and Training Division	1987 1999	<p>Renamed Management Development Group</p> <p>Became part of SHSC</p>
1981	Scottish Hospitals Advisory Service	1994 1995/96	<p>Renamed Scottish Health Advisory Service</p> <p>Transferred to NHS Quality Improvement Scotland</p>
October 1993	National Services Division		
2000	Fraud Investigation Unit	2003	Renamed to Counter Fraud Services (with wider remit)
1 April 1974 2005	Supplies Division National Procurement	1994/95	<ul style="list-style-type: none"> Renamed Scottish Healthcare Supplies Elements of Scottish Healthcare Supplies work transfers to National Procurement
2006	Health Facilities Scotland joined NSS (formerly Property Environment Forum)	2008	<ul style="list-style-type: none"> Equipping and Technical element of SHS transfer to HFS



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Division	Director(s)
Headquarters (CSA)	See pages 3 & 4
Building Division	Mr T D W Astorga, Eric Davidson, Mr G B Wilson (acting), Mr J Proctor
Supplies Division/Scottish Healthcare Supplies	Mr T Dunmore, Steve Atherton, Miles Moorhouse
Scottish Health Education Unit (later Scottish Health Education Group)	Dr D A Player, Mr S C Mitchell
Prescription Pricing Division/Pharmacy Practice Division	Mr J R Jamieson, Mr L G Braddick;
Scottish Ambulance Service	Mr D J Buckley, John Wilby, Mr J Tierney (acting) Andrew Freemantle
Scottish National Blood Transfusion Service	David McIntosh, Angus Macmillan Douglas, Keith Thompson
Central Legal Office	Mr A F Neilson, J McCubbin, Ranald Macdonald
ISD	Dr M A Heasman; David Adam Jones; Richard Copland, Mary Sweetland (Interim); Susan Burney (Information & Statistics); Ron Anderson (IM&T)
Dental Estimates/Dental Practice	Dr D R Sandison, Mr N K Colquhoun, Mr J W Shoolbread, John Middlemiss (Acting); Dot Anderson
Communicable Diseases (Scotland) Unit/Environmental Health (Scotland) Unit/SCIEH/HPS	Dr Gerald Forbes (EHSU), Dr Dan Reid (CDSU/SCIEH), Dr Ian Jones (SCIEH), Tim Brett (SCIEH/HPS), Paul Kingsmore (Acting - HPS), Mary Morgan (HPS)
Scottish Health Service Centre	Jan Lyell, Margaret Wallace
Management Education and Training Division/Management Development Unit	Dr G H France, Mr A S Soutar (MDU); David McIntosh, David Kogan
Scottish Antibody Production Unit/Diagnostics Scotland/Alba Bioscience	Dr Angus Munro
Scottish Hospital Advisory Service	Dr W T Thom, Dr C Cohen, Dr Donald Rankin
National Services Division	Francis Gibb, Moira Grant (acting); Deirdre Evans
Data Centre	Dr David Reekie, Richard Copland
Practitioner Services Division	Chris Jowsey, Richard Copland (Acting), Lorna Jackson (Acting); David Knowles
Public Health Institute of Scotland	Professor Phil Hanlon
Fraud Investigation Unit/Counter Fraud Services	Neil Billing, Peter Macintyre (acting)
National Procurement	Michael Healy, Colin Sinclair
Health Facilities Scotland	Paul Kingsmore
NISG	Andy Robertson



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Officials from St Andrew's House involved in CSA Management Committee/NSS Board meetings

Deputy Chief Medical Officer (St Andrew's House Official)

1974 – 1975 Dr J Smith
1975 – 1989 Dr G A Scott
1990 - 1997 Dr A B Young

Deputy Chief Nursing Officer (St Andrew's House Official)

1974 – 1982 Miss E McNaught
1982 – 1989 Miss I Gordon
1989 – 1997 Miss A Jarvie

Under Secretary, (St Andrew's House Official)

1984 - 1988 Mr H Morrison

Director of Strategic Management, Management Executive (St Andrew's House Official)

1991 – 1994 Mr Gavin Anderson (also filled role as Acting Chairman)

Head of Patient Services, Management Executive (St Andrew's House Official)

1991 – 1995 Mr George Tucker (Executive Director)

For the Period 19th July 1978 to 5th December 1990 there was a Blood Transfusion Sub-Committee

The Deputy Chief Medical Officer attended these meetings

1978 – 1989 Dr G A Scott
1990 Dr A B Young



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APPENDIX 2

HEALTH BOARD/PRIVATE HOSPITAL BLOOD BANKS IN SCOTLAND (excluding SNBTS Blood Banks)



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Glasgow and West

Managed by:	HOSPITAL	Telephone Number
Haematology/Laboratory Manager	Crosshouse Hospital, Kilmarnock, KA2 0BE	01563 577 404
Blood Bank Manager	Dumfries & Galloway Royal Infirmary, Dumfries, DG1 4AP	01387 241 454
Blood Bank Manager	Stirling Royal Infirmary, Livilands, Stirling, FK8 2AU	01786 434 000
Blood Bank Manager	Glasgow Royal Infirmary, Glasgow, G4 0SF	0141 211 4666
Blood Bank Manager	Golden Jubilee National Hospital, Beardmore Street, Clydebank, Glasgow, G81 4HX	0141 951 5920
Blood Bank Manager	Hairmyres Hospital, Eaglesham Road, East Kilbride, Glasgow, G75 8RG	01355 584 316
Blood Bank Manager	Inverclyde Royal Hospital, Larkfield Road, Greenock, G21 3UW	01475 504 323
Laboratory Manager	Lorne & Island District Hospital, Glengallon Road, Oban, PA2 4HH	01631 788 998
Blood Bank Manager (Acting)	Monklands District General Hospital, Monks court Ave. Airdrie, ML6 0JS	01236 712 102
Laboratory Manager	Nuffield Hospital, 25 Beaconsfield Road, Glasgow, G12 0PJ	0141 576 2762
Laboratory Manager	Ross Hall Hospital, 221 Crookstone Road, Glasgow, G52 3NQ	0141 810 3151 (395)
Laboratory Manager	Royal Alexandra Hospital, Corsebar Road, Paisley, PA2 9NB	0141 314 6162
Laboratory Manager	King's Park Hospital, Polmaise Rd, Stirling, FK7 9PU	01786 451 669
Theatre Manager	Abbey Carrick Glen Hospital, Dalmellington Rd, Ayr, KA6 6PG	01292 288882



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Managed by:	HOSPITAL	Telephone Number
Blood Bank Manager	Southern General Hospital, Glasgow, G51 4TF	0141 201 1894
Blood Bank Manager	Stobhill Hospital, 133 Balornock Road, Glasgow, G21 3UW	0141 201 3276
Blood Bank Manager	Vale of Level District General Hospital, Alexandria, G83 0UA	01389 817 502
Blood Bank Manager	Victoria Infirmary, Langside Road, Glasgow, G42 9TY	0141 201 5650
Head of Technical Services for Western Infirmary & Gartnavel General	Western Infirmary, Dumbarton Road, Glasgow, G11 6NT	0141 211 2406
Laboratory Manager	Wishaw General Hospital, 50 Netherton Street, Wishaw, ML2 0DP	01698 361 100
Laboratory Manager	Queen Mother's Hospital, Yorkhill, Glasgow, G3 8SJ	0141 201 0389
Blood Bank Manager	Queen Mother's Hospital, Yorkhill, Glasgow, G3 8SJ	0141 210 0393



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Edinburgh and South East

Managed by	HOSPITAL	Telephone Number
Blood Bank Manager	Borders General Hospital Melrose, Roxburghshire, TD6 9BS	01896 826 242
Chief Biomedical Scientist	Kirkcaldy Victoria Hospital, Hayfield Road, Kirkcaldy, Fife, KY2 5AH	01592 643 355
Laboratory Manager	Murrayfield BUPA Hospital, 122 Corstorphine Road,, Edinburgh, EH12 6UD	0131 334 0363
Blood Bank Manager	St Johns Hospital, Howden Road, West, Livingston, EH54 6PP	01506 419 666
Laboratory Manager	Western General Hospital, Crewe Road, Edinburgh, EH4 2XU	0131 537 1912

Aberdeen and North

Managed by	HOSPITAL	Telephone Number
Biomedical Scientist	Albyn Hospital, 21-24 Albyn Place, Aberdeen, AB10 1RW	01224 595 993 X586
Laboratory Manager	Balfour Hospital, Kirkwall, Orkney Isles, KW15 1BH	01856 885 217
Laboratory Manager	Dr Grays Hospital, Elgin, IV20 1SN	01343 543 131
Head of Laboratory Services	Gilbert Bain Hospital, South Road, Lerwick, Shetland, ZE1 0TE	01595 743 041
Quality Manager	Gilbert Bain Hospital, South Road, Lerwick, Shetland, ZE1 0TE	01595 743 041



Confidential



Dundee and East

Managed by	HOSPITAL	Telephone Number
Blood Bank BMS3	Perth Royal Infirmary, Perth, PH1 1NX	01738 473 338
Operations Manager	Fernbrae Hospital, 329 Perth Rd, Dundee, DD2 1LJ	01382 631 400
Consultant Haematologist	Perth Royal Infirmary, Perth, PH1 1NX	01738 473 338

Inverness and North

Managed by	HOSPITAL	Telephone Number
Laboratory Manager	Belford Hospital, Fort William, PH33 6BS	01397 707 424
Blood Bank Manager	Caithness General Hospital, Bankhead Rd, Wick KW1 5NS	01955 605050
Blood Bank Manager Laboratory Manager	Western Isle Hospital, Macaulay Road, Stornoway, Isle of Lewis, HS1 2AF	01851 704 704