

21 November 2003

Our ref : fig/robm/2003

Your ref :

Markku Villikka  
Director, FIG Office  
Lindevangs Allee 4  
DK-2000 Frederiksberg  
DENMARK

Dear Markku

### **Nomination of Rob Mahoney as Chair of FIG Commission 3**

RICS nominates Rob Mahoney as Chair Elect of FIG Commission 3 (Spatial Information Management). As you will see from the attached CV, Rob has a long and broad experience in the general field of GIS. Rob has also served in a variety of professional capacities, including as Chair of the RICS Geomatics Faculty. His professional knowledge and personal capabilities are widely respected. Rob has been actively involved in the work of Commission 3, and more generally in FIG, for some years. He took, for instance, a key role in the production of FIG publication 30 – The Nairobi Statement on Spatial Information for Sustainable Development. Most recently, Rob has been an active member of working group 3.2. Rob has RICS' full support in seeking this position and RICS is willing to provide the necessary funding and support for him to fulfil his commitments as Chair Elect (and subsequently as Chair) of Commission 3.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Alex Baird', written in a cursive style.

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Alex Baird  
Chair of the Faculty and Forums Board

Copies to: Iain Greenway (Head of RICS delegation to FIG)

**Personal Details:**

Name: **Robert P. Mahoney FRICS, FBCartS**

Position: Director

Address: 14, Kings Avenue, Denton, Newhaven, East Sussex, BN9 0NA, UK

Telephone No.: +44 1273 515018

Fax: +44 1273 515557

Email: RobMahoney@CompuServe.com

Date of Birth: 18 May 1950

Nationality: British

Languages: English (mother tongue), French (moderate, spoken)

Marital Status: Married with two adult children

**Professional Summary**

Rob Mahoney is acknowledged as one of the most experienced GIS application experts in the United Kingdom (UK). Business Information Management was formed to provide a wide range of GIS consultancy services, from feasibility through to post implementation review. He has an extensive knowledge of Local Authority requirements, Utility requirements, together with experience in International Land Registration projects. Rob is a Chartered Land Surveyor and has presented technical papers at many International conferences on the subject of Geographic Information Systems. He has also spoken at many seminars and workshops. The British Gas Project that he managed is still one of the largest GIS projects in the UK. The success of his system specification and subsequent benchmarking led him to compare and evaluate the major system suppliers, their products and customers in both Europe and North America. Rob is the immediate past Chair of the RICS Geomatics Faculty.

**Summary of FIG Involvement**

Rob Mahoney has taken an active involvement as a corresponding member of FIG Commission III since October 1999. Since then he has presented at least 7 papers at FIG Conferences including the Congress at Brighton and Washington; in addition he has chaired many conference sessions.

Rob was co-chair of Commission III working group 3.1 from 1998 – 2002, during which time he was one of the lead authors of FIG Publication 31 – Land Information Management for Sustainable Development of Cities – Presented to UN Habitat at FIG Congress in Washington.

Rob also took a key role in the production of FIG publication 30 – The Nairobi Statement on Spatial Information for Sustainable Development; having presented the conference findings at the FIG Conference in Nairobi in October 2001.

As Chair of RICS Geomatics Faculty Rob hosted a reception for FIG delegates and officers at FIG in Washington 2002. Since then he has been an active member of Commission III working group 2.

## Key Skills

- Economic Appraisal of GIS investment
- Creation of Business Investment Strategies
- Project Management
- Utilisation of Prince 2
- Post Implementation Audit of GIS
- Training
- Communication, oral, written, lecturing and presentational
- Land Registration
- Land Information Systems
- Provision of Independent GIS advice

## Education

Vauxhall College of Further Education  
Polytechnic of the South Bank, London

## Qualifications

O.N.C. Surveying, Planning and Cartography (with distinction)  
H.N.C. Surveying, Planning and Cartography (with distinction)  
Chartered Land Surveyor

## Membership

Fellow, The Royal Institution of Chartered Surveyors  
Fellow, British Cartographic Society  
The Association for Geographic Information (AGI)

## Post Qualification Courses

Synectics	Basic CAD driving course
Human Relations	Basic GIS system customisation
Middle Management Skills	Project Management
Presentation and Public Speaking	Continuing Professional Development
Macover on CAD	Conversational French

## Employment Summary

1967-69 South Eastern Electricity Board  
1969-72 Rediffusion (SE) Limited  
1972-77 SEGAS  
1977-88 British Gas South Eastern  
1988 - Business Information Management [Incorporated 2002]

## Career Profile

- 1967-72 Surveying and Draughting positions in the South Eastern Electricity Board led to being appointed Planning and Wayleave Officer with Rediffusion (SE) Ltd. This position was responsible for the design and planning of a cable television network with a potential customer base of 80,000 homes.
- 1972-77 Draughtsman - SEGAS Responsible for the recording and surveying of underground pipes. Estate surveys and cartographic records. This position was taken to enable academic courses to be pursued.
- 1977-82 Project Officer - British Gas South Eastern Responsible for the user definition and field data collection of alpha-numeric records system for the statistical capture of data and issue of work instructions. This system contained 15,000 miles of underground pipe serving approximately 2 million consumers. Pipes were split into administration units and some fifteen associated attributes collected for each pipe. Data collection consisted of over 120 man years effort. The system was operated by over 120 staff in 20 remote locations,

using IBM mainframe computers. The position was also responsible for the design and implementation of staff training, making many aware for the first time of the use of maps. A package was written to maintain the computer records in step with the 10,000 Ordnance Survey maps used to record plant positions.

1982-85 Project Officer Digital Mapping - British Gas South Eastern Specific responsibilities for large scale map use analysis and the design of user application software modules on an Intergraph pilot system. The pilot scheme, operating Intergraph equipment using a VAX 11/ 750, covered the basic system design and subsequent implementation. Responsible for software module identification, design and programming. Worked with team to ensure maximum advantage was taken of the systems capabilities.

1985-88 Project Manager Digital Mapping - British Gas South Eastern Responsible for project team and evaluation of the benefits of a Digital Records System for British Gas. This project was designed to establish the economic feasibility of installing a digital records system (GIS) for the whole of British Gas, the largest Gas Utility in the world. The project aim was to establish the economic justification necessary for the project to proceed. To achieve this aim much internal publicity was required including the production of videos and making presentations to over 1000 people. The governments enquiry into The Handling of Geographic Information chaired by Lord Chorley received a presentation prior to completing their study. In his capacity as Project Manager, Rob Mahoney had regular contact with Senior and Executive members of British Gas and similar level contact with many other organisations throughout the world.

During his time as Project Manager he was placed on two secondments to British Gas Headquarters to work on the production of the milestone documents mentioned below. In 1987 he was a member of the supplier benchmark evaluation team being personally responsible for benchmark design, documentation and application analysis. The project was valued in excess of £50 million.

The evaluation was undertaken in Europe and North America where the key customer reference sites of the major system suppliers under evaluation were visited.

He was a Member of British Gas working parties and project teams responsible for the following project milestone documentation:

- Functional Requirements Document
- Policy Approval Documentation
- System Specification
- Benchmark Design
- Benchmark and Supplier Evaluation

### **National Committee Representation on behalf of British Gas**

#### National Joint Utility Group (NJUG) Digital Mapping Co-ordinating Group

Responsible for the production of NJUG 12 - The Utilities Specification for the Digitisation of Large Scale Ordnance Survey Maps and advising the NJUG Executive on digital mapping.

#### National Joint Utility Group (NJUG) / Ordnance Survey Technical Working Group

Responsible for the production of OS 1988 Ordnance Survey Specification for Digitising Large Scale Maps.

Personally responsible for the production of the Quality Assurance Procedure for large scale Ordnance Survey Maps Digitised to OS 1988 - NJUG 13, subsequently adopted by the Ordnance Survey.

## Business Information Management

April 1988 Rob Mahoney formed Business Information Management to provide a wide range of consultancy services. Since its formation the company has won many prestigious contracts in the UK and overseas. Business Information Management was incorporated in 2002. A selection of the projects undertaken include:

- Present

- Creating and testing an evaluation methodology for A GIS Benefits Evaluation on behalf of LAMSAC
- The compilation of a "GIS Product Profiles" report covering 20 vendors - published for the local authority market
- The evaluation of a major utility GIS project in Europe
- Major GIS market surveys
- Technical GIS Requirements Evaluation for H.M. Land Registry (HMLR)
- An ergonomic hardware design study
- Executive level GIS briefings and seminars for system vendors
- Post implementation audit of GIS systems
- Lectures on the Utilities and Local Government use of GIS at Birkbeck College Short GIS Courses in the UK and Portugal
- Lectures for MSc courses in GIS related subjects at Birkbeck College, London, Edinburgh University, University College London, and Leeds University
- Designing and conducting specific GIS courses in conjunction with Birkbeck College, and City University
- External Advisor to MSc at City University
- The production of a major GIS specification and benchmarking for a several Utility Companies
- Major systems feasibility, requirements and cost benefit studies for a large number of Local Government clients
- High Level Functional Specifications for GIS software applications
- System procurement support for major UK utilities
- PHARE land registration project Hungary-
  - Short Term Missions Budapest Land Office - Management study
  - Production of (part) Invitation to Tender for Budapest Land Offices - Land Registration System
  - International Technical Advisor to Long Term Technical Assistance Team Budapest
- GIS Case Studies Consultancy Project for the Local Government Management Board (LGMB)- Published
- GIS Case Studies Consultancy Project (Social Services) for the Local Government Management Board (LGMB)- Published
- GIS Feasibility study and product market evaluation for a major insurance company

- Land Registration, business and technical design incorporating Benefits Identification for the Isle of Man Government
- Consultant to Ministry of Defence – Defence Estates
  - Full GIS/CAD Study Project
  - Requirement Analysis and System Procurement
  - Data Capture Specification
  - On going project support
  - E Terrier prototype design
  - Business Case and benefits identification
  - E Terrier Computerisation Strategy
  - Project Management
- UK National Land Information Service (NLIS). Part of consortium to develop a UK NLIS strategy, including market research, organisation and management, fee structures, implementation and feasibility issues. This project included the investigating how information on land and property could be made available as an on-line service.
- Scottish Land Information Service (ScotLIS). Part of a consortium commissioned to research the ScotLIS pilot, including the provision of on-line services for land and property information in Scotland.
- Seco - State Secretariat for Economic Affairs (Switzerland). Part of consortium to evaluate benefits of aid to developing countries in the Land Reform sector.
- Commissioned to author Leading Edge Paper for RICS on Land Markets and the modern economy.

### **National Committee Representation on behalf of Business Information Management**

National Transfer Standard Working Group which was responsible for the evaluation and production of a National Standard for Geographic Information Transfer

Royal Institution of Chartered Surveyors External Communications Sub-Committee

Royal Institution of Chartered Surveyors, Examiner and Assessor for TPC Group

Corresponding member of Fédération Internationale des Géomètres (FIG) commission 3 and co chair working group 3.3

Co-opted to the Divisional Council (Geomatics Division) of the Royal Institution of Chartered Surveyors Divisional Council - May 1998

Elected Senior Vice President of the Royal Institution of Chartered Surveyors, Geomatics Division 2000 - July 2000

Member of General Council of the Royal Institution of Chartered Surveyors July 2000 - May 2001

Elected Vice Chair of the Royal Institution of Chartered Surveyors, Geomatics Faculty - December 2000

Elected Chair of the Royal Institution of Chartered Surveyors, Geomatics Faculty - September 2001 – December 2002

Appointed - Royal Institution of Chartered Surveyors, member of Faculties and Forums Board April 2003

**Other Professional Activities**

Rob Mahoney has also written numerous magazine and journal articles on the subject of Digital Mapping and GIS. He has also spoken at and chaired international conferences, seminars and workshops on GIS.

Conference Chairman of RICS Geomatics Biennial Conference September 2001.

**Technical Authorship**

- 1991 Commissioned by Longman Scientific and Technical to provide a detailed Chapter in "Geographic Information Systems" Edited by Maguire, Goodchild and Rhind. ISBN 0-582-05661-6
- 2002 "Land Information Management for Sustainable Development of Cities – Best Practice Guidelines in City-wide Land Information Management", FIG Publication No. 31, ISBN 87-90907-21-3
- 2002 Commissioned by RICS to author "Land markets in the modern economy". ISBN 1842191055