

# THE INSTITUTION OF CIVIL ENGINEERS

Great George Street,  
Westminster, S.W.1.

No. .... / .....

## APPLICATION FOR TRANSFER OF A MEMBER TO THE CLASS OF FELLOWS.

**PLEASE READ THIS NOTE BEFORE COMPLETING THE FORM**

The information contained on the reverse of this form is intended for circulation (photo copies will be used) to the appropriate Committee, and should therefore be as brief and informative as possible. Follow-on sheets should not be used; *it is essential to use typescript.*

In the statement of experience entered on the reverse, the following should be observed.

1. Include the whole period since election. If applying for transfer within ten years of election, give details of the last ten years.
2. Show concisely the work engaged upon with (if applicable) some indication of magnitude and costs, the positions occupied and the responsibility carried, and the names of Engineers served under (if any). State population if employed by a municipal authority, or population and daily water supply figures if employed by a water undertaking/authority. Add details of post-graduate or mid-career training courses attended.

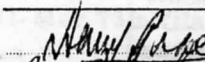
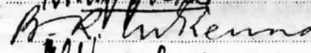
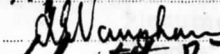
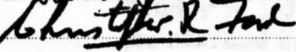
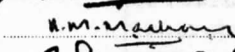
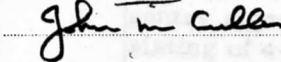
In amplification of the foregoing will candidates please give **fuller** details for the last **FIVE** years, including the numbers of professional and technical staff under their direct control. It is essential that the costs of works should also be included and refer to the civil engineering content of projects for which the candidate has been personally responsible.

Surname McGowan Forenames (in full) Robert

Address in full (for registration and correspondence) 14 Sheepburn Road  
Uddingston, Glasgow G71 7DU

Signatures of at least six corporate members of the Institution — of whom at least three must be FELLOWS. They should also initial those particulars of the Candidate's career (on reverse) of which they have personal knowledge. *It is a rule that Members of the Council do not sign proposals for transfer.*

From our PERSONAL KNOWLEDGE of the above named, we, the undersigned, submit to the Council of the Institution of Civil Engineers that he is a person suitable for transfer to the class of Fellows, and that his qualifications satisfy the requirements of By-law 3 (i) and (ii) A.

Signature	Name and initials in block letters	Grade and Membership No. in I.C.E.	Date of Signature*
	GRACE HENRY	F 30769643	27/4/77
	McKENNA B.R.	F. 31170853	1977-04-13
	VAUGHAN T.E.	F. 31750428	18/4/77.
	FORD C.R.	F. 30719803	18-iv-77.
	MACKAY N.M.	F 31169301	26 April 1977
	CULLEN J.M.	M 30567439	2 May 1977

\*This form must be received at the Institution within 6 months of the latest date in this column

**Certificate to be signed by the candidate**

I, the undersigned, hereby declare that I am desirous of transferring to the class of Fellows, and I accept full responsibility for the accuracy of the particulars contained in this form with regard to my qualifications.

Signed Robert McGowan

PLEASE QUOTE YOUR  
MEMBERSHIP NUMBER:

31163190

**For use by the Institution**

Date of receipt of application ..... 19.....

Membership Committee recommendation ..... on ..... 19.....

Recommendation ratified by Council .. .. . on ..... 19.....

Transferred to class of Fellows .. .. . on ..... 19.....

- Henry Grace, FICE      B R McKenna, FICE      T E Vaughan, FICE  
C R Ford, FICE      N M MacKay, FICE      J M Cullen, MICE

Dates (month and year)	STATEMENT OF EXPERIENCE (See note at top of front page) (In chronological order from top of page)	For Initials
Oct 66-Oct 67 Design Engr	With Balfour Beatty Power Consultants, in Vancouver Office under Mr B Severn (M) and in London Office under Mr R E Coxon (F). Design of heavy foundations for boiler house, chimney, turbine block and conveyor tunnel for Battle River Thermal Power Station.	<i>San S.</i>
Nov 67-Nov 68 AE(C)	With Scott Wilson Kirkpatrick & Partners, as follows: In Glasgow Office under Mr B R McKenna (F). Engaged on final design of concrete structures for Woodside Section of Glasgow Inner Ring Road; in particular, substructure and piles for six-span continuous bridge, substructure for a curved continuous five-span bridge and a three-span continuous flat slab bridge	<i>W. J.</i>
Dec 68-Dec 69 Deputy RE (Bridges)	Served on £4 M Woodside II Contract under RE, Mr T E Vaughan (F) with staff of 2 AE's and 3 IOW's. Specific responsibility for all structural work, consisting of 7 bridges (including 2 viaducts), 2 footbridges, 2 pedestrian subways and retaining walls at tender cost of £1.8 M.	<i>A.M.W.</i>
Jan 70-Aug 71 Design Engr	In Nairobi Office under Mr R C Hedges (F). Responsible for preliminary and final designs for bridges and drainage structures on various road projects; in particular, the Sagana Bridge, an 85 metres long, 20 metres high three-span continuous structure with steel/concrete composite deck.	<i>B.R.F.</i>
Sept 71-Mar 73 SAE	In Glasgow Office under Mr C R Ford (F), responsible for final design and detailing of all structures on Renfrew Motorway Stage 1, part of the Glasgow Motorway network. Also assisted in contract document production. The structural content of the contract at tender in 1973 was £6.5 M approx, comprising 15 prestressed and reinforced concrete bridges (including 33-span viaduct), 2 km of concrete retaining walls, high mast light structures and overhead gantry signs. Staff under direct control varied from 12 to 16, consisting of 4-5 AE(C)'s, 2-3 AE's, 2-3 AUA's and 4-5 Draughtsmen.	<i>g.m.</i>
Apr 73 to date Senior Engr	In Glasgow Office. Took over direct responsibility under the Managing Director, Mr J M Cullen (M), in Nov 73 for all bridge and structural work. Major elements of work as follows: (i) Supervision-in-Chief for all structural aspects of Renfrew Motorway to contract completion (opened Oct 76); (ii) Final design and contract document preparation for 5 road bridges, a railway bridge (steel girder), a footbridge and walls for Townhead Interchange Stage II section of Glasgow IRR - structural cost £3 M; (iii) Preliminary design for rail bridge on St John's Link section of Clyderail Project at estimated cost of £0.8 M; (iv) Final design for 3 bridges and walls on Dumbreck Road Connection contract at estimated structural cost of £1.25 M (in progress); (v) Final RC design and drawings for 12 mgd treatment works for Mombasa and Coastal Water Supply Scheme (in progress); (vi) Specialist technical adviser to Turkish Government on bridge deck waterproofing and movement joints on the Gebze-Ismit section of the Anatolian Freeway. Technical staff under direct supervision varied - present total 11.	<i>A.M.W.</i>
Training	Currently studying Civil Engineering Law and Contract Procedure part-time at Edinburgh University with view to ICE Arbitration Exam.	