E.164 Numbering Scheme

for English Local Education Authorities and Regional Broadband Consortia, Scottish Local Education Authorities and National Agencies, and Welsh Unitary Authorities

After consideration of the views express by interested parties, the following E.164 numbering scheme will be operated for videoconferencing services provided to primary and secondary education throughout England, Scotland and Wales.

Structure of Addresses

The structure of each E.164 address will accord to the following scheme

Janet	**End User Assigned.** The schema detailed here was initially recommended by the RBC Technical Group and now being used throughout the UK schools sector			
International Prefix	Local / Regional prefix	Category	Organisation ID	End-Point ID
0044	02XXX (5 digits)	1 digit	4 digits	3 digits

The Janet assigned part of the address is structured as follows:

International Prefix	The international dialling code for the United Kingdom
Local / Regional Prefix	Unique 5-digit code to represent either a LEA or a regional grouping. It is expected that endpoints identified with a LEA will be addressed within the LEA's Prefix. Endpoints that are part of a regional infrastructure (such as those which might be operated by a RBC on behalf of others within the region) should be addressed within the regional grouping Prefix

The annexes to this document list the Local/Regional Prefixes that are currently assigned. Annex 1 lists those assigned to English LEAs and RBCs. Annex 2 lists the prefixes assigned to Scottish LEAs and National Bodies. Annex 3 lists prefixes assigned to the Welsh Unitary Authorities.

Category	A single digit defining the category of connection. This has a defined set of values, and therefore can be used to interpret the following digits of the address. Janet maintains the list of defined values on behalf of the RBC Technical Group. To date four values have been defined: 1. School 2. Museums, Libraries and Archives 3. Local Authority 4. Adult or Community Learning Centre
Organisation ID	4 digits to define the particular organisation within category. For a school this will be the last 4 digits of the DfES national school number (i.e. it will be unique within a LEA).
End-Point ID	3 digits to be defined by the organisation to identify individual endpoints within the organisation's site(s).

Constraints on Assignment of Addresses

The above scheme is a total of 17 digits in length. The recommendation for the length of E.164 addresses by the ITU is also 17 digits. It is recommended that no more than this number of digits be used, to retain future compatibility with any future schemes developed within the ITU framework (e.g. the possible integration of videoconferencing and voice telephony.) If an organisation nevertheless intends to use more than 17 digits, it is strongly recommended that before implementation it checks that its equipment can support E.164 addresses with more than 17 digits.

If the RBC scheme for the End-user assigned part of the address is not followed, implementers should note that it is recommended that the first digit of this part should not be zero. This is because zero is sometimes used as an escape code in schemes that allow the End-user assigned part of the address only to be used in a local context (c.f. the use of telephone numbers within a local dialling area without the need to prefix it with the national dialling code).

Annex 1: Local/Regional Prefixes for English Local Education Authorities and Regional Broadband Consortia

Portability of Local/Regional Prefixes in England

The Local/Regional Prefixes have been assigned on a regional basis and in contiguous blocks. This is to facilitate their use by RBCs or other regional co-ordinating organisations. The assignment and therefore block structure was made using the membership of the ten RBCs in May 2003.

If a LEA should leave a RBC, Janet reserves the right to require it to relinquish its Prefix, if in Janet's opinion retention of the Prefix would cause operational
difficulties. In this event a new Prefix would be assigned to the LEA.

If a LEA should join a RBC, or transfer between RBCs, the same consideration will apply to any Prefix which it currently holds. The assignment of contiguous blocks has been made in a manner that allows a small number of additional Prefixes subsequently to be assigned to a regional block, should the need arise.

English LEAs which are members of RBCs

Cumbria and Lancashire Education Online	02000
Cumbria	02001
Lancashire	02002
East Midlands Broadband Consortium (Central Server Farm)	02010
Derby City	02011
Derbyshire	02012
Leicester City	02013
Leicestershire	02014
Lincolnshire	02015
Northamptonshire	02016
Nottingham City	02017
Nottinghamshire	02018
Rutland	02019
East of England Regional Broadband Consortium	02020
Cambridgeshire	02021
Hertfordshire	02022
Bedfordshire	02023
Norfolk	02024
Suffolk	02025
Essex	02026
Peterborough	02027
Milton Keynes	02028

Luton	02029
Thurrock	02030
Southend-on-Sea	02031
London Grid for Learning	02035
Barking and Dagenham	02036
Barnet	02037
Bexley	02038
Brent	02039
Bromley	02040
Camden	02041
Corporation of London	02042
Croyden	02043
Ealing	02044
Enfield	02045
Greenwich	02046
Hackney	02047
Hammersmith and Fulham	02048
Haringey	02049
Harrow	02050
Havering	02051
Hillingdon	02052
Hounslow	02053
Islington	02054
Kensington and Chelsea	02055
Kingston	02056
Lambeth	02057
Lewisham	02058
Redbridge	02061
Richmond	02062
Southwark	02063
Sutton	02064
Tower Hamlets	02065

Waltham Forest	02066
Wandsworth	02067
Westminster	02068
Assigned to LGfL	02069
Assigned to LGfL	02070
North West Learning Grid	02075
Blackburn with Darwen	02076
Blackpool	02077
Bolton	02078
Bury	02079
Cheshire	02080
Halton	02081
Knowsley	02082
Liverpool	02083
Manchester	02084
Oldham	02085
Rochdale	02086
Salford	02087
Sefton	02088
St Helens	02089
Stockport	02090
Trafford	02091
Warrington	02092
Wirral	02093
Northern Grid for Learning	02100
North Tyneside	02101
South Tyneside	02102
Gateshead	02103
available for reassignment	02104
available for reassignment	02105
Darlington	02106
Middlesborough	02107

Stockton-on-Tees	02108
Hartlepool	02109
Redcar and Cleveland	02110
available for reassignment	02111
available for reassignment	02112
South East Grid for Learning	02115
Bracknell Forest	02116
Brighton and Hove	02117
Buckinghamshire	02118
East Sussex	02119
Hampshire	02120
Isle of Wight	02121
Kent	02122
Medway	02123
Portsmouth	02124
Reading	02125
Royal Borough of Windsor and Maidenhead	02126
Slough	02127
Southampton	02128
Surrey	02129
West Berkshire	02130
West Sussex	02131
Wokingham	02132
South West Grid for Learning	02135
Bath and North East Somerset	02136
Bournemouth	02137
Bristol	02138
Cornwall	02139
Devon	02140
Dorset	02141
Gloucestershire	02142
North Somerset	02143

Plymouth	02144
Poole	02145
Somerset	02146
South Gloucestershire	02142
Swindon	02148
Torbay	02149
Wiltshire	02150
West Midlands Broadband Project	02155
Birmingham	02156
Dudley	02157
Sandwell	02158
Walsall	02159
Shropshire	02160
Staffordshire	02161
Coventry	02162
Herefordshire	02163
Worcestershire	02164
Warwickshire	02165
Wolverhampton	02166
Stoke on Trent	02167
Telford and the Wrekin	02168
Solihull	02169
Yorkshire and Humberside Community Grid for Learning	02175
Sheffield	02176
available for reassignment	02177
East Riding of Yorkshire	02178
North Yorkshire	02179
North Lincolnshire	02180
Doncaster	02182
Rotherham	02183
Hull	02184
Kirkley	02185

Cauderdale	02186
Wakefield	02187

English LEAs which are not members of RBCs

Barnsley	02200
Bradford	02201
Oxford	02202
Tameside	02203
Wigan	02204
York	02205
Leeds	02206

Pre-assigned for East Midlands LEAs using their own gatekeeper

East Midlands Broadband Consortium	02110
Derby City	02211
Derbyshire	02212
Leicester City	02213
Leicestershire	02214
Lincolnshire	02215
Northamptonshire	02216
Nottingham City	02217
Nottinghamshire	02218
Rutland	02219

LEAs served by Derwentshire District Council

Durham	02225
Newcastle upon Tyne	02226
Northumberland	02227
Sunderland	02228

Annex 2: Local/Regional Prefixes for Scottish Local Education Authorities and National Agencies

Portability of Local / Regional Prefixes in Scotland

The Local/Regional Prefixes have been assigned on a consecutive basis. This is to facilitate their use by LEAs or other regional co-ordinating organisations. If a LEA
should leave the SSDN Interconnect, Janet reserves the right to require it to relinquish its Prefix, if in Janet's opinion retention of the Prefix would cause

Local Authority / National Body

Local Authority / National Body	
Aberdeen City Council	02300
Aberdeenshire	02301
Angus Council	02302
Argyll and Bute Council	02302
Clackmananshire Council	02304
Comhairle Nan Eilean Siar (Western Isles)	02305
Dumfries and Galloway Council	02306
Dundee City Council	02307
East Ayrshire Council	02308
East Dunbartonshire Council	02308
East Lothian Council	02310
East Renfrewshire Council	02311
Edinburgh City Council	02312
Falkirk Council	02313
Fife Council	02314
Glasgow Council, City of	02315
Highland Council	02316
Inverclyde Council	02317
Midlothian Council	02318
Moray Council	02319
North Ayrshire Council	02320
North Lanarkshire Council	02321
Orkney Islands Council	02322
Perth and Kinross Council	02323
Renfrewshire Council	02324
Scottish Borders Council	02325
Shetland Islands Council	02326

South Ayrshire Council	02327
South Lanarkshire Council	02328
Stirling Council	02329
West Dunbartonshire Council	02330
West Lothian Council	02330
Learning and Teaching Scotland	02332
Scottish Qualifications Authority	02333
SEEMIS	02334

Annex 3: Local/Regional Prefixes or Welsh Unitary Authorities

Portability of Local / Regional Prefixes in Wales

The Local/Regional Prefixes have been assigned on a consecutive basis. This is to facilitate their use by (UA) Unitary Authorities or other regional co-ordinating organisations. If there are changes to the UAs, Janet reserves the right to require amendments to assigned Prefixes, if in Janet's opinion retention of the existing Prefix would cause operational difficulties.

Any additional Prefixes subsequently required will be the next available prefix from the end of the current sequence.

Welsh Local Authority

Anglesey	02400
Blaenau Gwent	02401
Bridgend	02402
Caerphilly	02403
Cardiff	02404
Carmarthenshire	02405
Ceredigion	02406
Conwy	02407
Denbighshire	02408
Flintshire	02409
Gwynedd	02410
Merthyr Tydfil	02411
Monmouthshire	02412
Neath Port Talbot	02413
Newport	02414

Pembrokeshire	02415
Powys	02416
Rhondda Cynon Taff	02417
Swansea	02418
Vale of Glamorgan	02420
Wrexham	02421