Index

1950s 4, 9
1960s 4, 9, 11
1970s 11, 14, 20, 72, 87
1980s 22, 55, 60, 173, 261, 419, 422, 405, 411, 428
19th century 175
2000s 206, 261, 337
3G mobile 386

abuse of
dominant position see competition rights 189

access 373–92
content being restricted by access to networks? 121–41
‘open access’ 126
people with disabilities 365 to
blocking systems 277–382
Knowledge, movements 201, 202

accountability 146, 99–119
blocking 292–4
data protection 223, 232, 240–41

activism
see political activism; see also technical activism

addressing 52–68
compatibility 60–61

protocols
BGP (Border Gateway Protocol) 54, 61
IPv4 53, 55, 59, 60, 63, 68
depletion 60
legacy holders 63
IPv6 18, 38, 53, 60, 61, 63, 66, 144
migration to 63

advertising see Google, AdWords; see social media

Affirmation see ICANN
Africa 273, 436
AfriNIC 56

data protection 226, 227, 231, 239, 249–50
ECOWAS 227–8, 232
see also Cape Verde, Benin, Burkina Faso, Djibouti, Ghana, Kenya, Senegal

aggregation see routing
Albania
data protection 225, 255
Amazon 212, 327
Andorra
data protection 225, 239, 255
anonymity 401, 402–4, 406
see also identity; WikiLeaks
anorexia sites 296
anti-piracy
blocking and mission creep 295–6
anti-terrorism 261, 263, 265, 269, 280, 296

AOL 126, 461
child protection policy 280, 281, 288–9, 296, 297, 298–9
privacy issues 289
Time Warner 420
APEC (Asia-Pacific Economic Cooperation) 229, 231–2, 241, 243, 244, 249, 250

APNIC see registries
Apple 373
Argentina
data protection 225, 231, 239, 255
ARIN 56
ARPA 4, 5, 23, 23
ARPANET 5–13, 173

ASEAN (Association of Southeast Asian Nations) 264
data protection 226, 227
AT&T 12, 126, 403, 432, 437
Australia
child protection 283
cybercrime 183
data protection 223, 225, 226, 231, 232, 239, 243, 245, 246, 255
Research handbook on governance of the internet

Funkfeur network 209
network neutrality 425, 429
Austria 433
cybercrime 183
data protection 225, 255
Azerbaijan
data protection 225
Bahamas
data protection 225, 226, 255
bandwidth 419–39
caps 428–9
congestion 127–8, 129, 419–39
banks, security
New Zealand initiative 466
Baran, Paul 4, 5, 15, 16
Barlow, John Perry 21, 204, 391
BBC 438
iPlayer 300, 424, 429
Bebo 310
behaviours see ‘net effects’
Belarus
data protection 226
Belgium
cybercrime 183
data protection 225, 255
Reseau Citoyen network, Brussels 209
Benin
data protection 226, 232, 255
BEREC (Body of European Regulators for Electronic Communications) 433, 434
Berne Convention see copyright
Bill of Rights 353–70
see also data protection, human rights, privacy
biometrics 267, 269, 271
Bing 283
child protection 283
BITAG 431–2
BITNET 6
‘blacklists’ 285–6, 287–8, 301, 452, 460–61
of contract terms 336
out of date, Denmark 291
see also Spamhaus
blocking 122, 277–382
accountability 292–4
procedural fairness (lacking) 294
techniques 281
DNS filtering 285, 292
‘poisoning’ 281
hash value matching 278, 281, 287–90
hybrid URL blocking 281
IP number blocking 35
over-blocking 295
see also censorship; filtering
BluRay 379
books see Google Books; Project Gutenberg; Open Content Alliance
Bosnia & Herzegovina
data protection 225, 255
botnets see security
brand
protecting brand via security measures 470
Brazil 190
data protection 226, 227
internet civil rights bill 190
breach of confidence 377
British Telecom see BT
broadband
access to for content providers 121–41
bandwidth and congestion 127–8, 129, 419–39
US FCC Notice of Proposed Rulemaking 2009 121
browse-wrap licences 174
see also click-wrap; EULAs; shrink-wrap; web-wrap
BT 282–3, 296, 301, 422, 435
action against BT by Motion Picture Association of America 296
Bulgaria
data protection 225, 255
bulletin boards (BBSs) 11
Burkina Faso
data protection 226, 232, 255
CADNA (Coalition Against Domain Name Abuse) 36
CAIC see children, UK IWF (Internet Watch Foundation)
Canada
biometrics 267
child protection 280, 283
Index 487

data protection 225, 226, 231, 232, 239, 246, 255
network neutrality 427–8, 430, 437, 430–31
social networks 314, 316, 325, 336, 339
Cape Verde
data protection 226, 232, 255
CDNs see content
censorship 277, 283–4, 292, 296, 412, 437
see also blocking; filtering;
surveillance
Cerf, Vint 6, 8, 9, 19
CERN 7–9, 23
CERNET 8
CERTS see security
costs of blocking children 277–382, 435
child abuse image blocking 277, 279–302
Club Penguin 310
CSAADF filters 285
EU
CIRCAMP see CIRCAMP
KIDS Online Project 310, 316, 318, 335, 337
UK
CAIC list 278, 280, 281, 281–4
Council for Child Internet Safety 335
IWF (Internet Watch Foundation) 278, 295
US hash value systems see blocking
Chile
data protection 225, 239, 256
network neutrality 419
China 178, 262, 277, 310, 379
data protection 224, 227, 231
source of internet security attack? 455
CIA offences (confidentiality, integrity, availability) 182
CIDR (Classless Inter-Domain Routing) see routing
CIRCAMP (COSPOL Internet Related Child Abusive Material Project) 278, 284–7, 290, 291, 295, 298–9
class actions 71, 79–80
Classmates.com 315
‘Cleanfeed’ 281–4, 290, 293, 296, 298–9, 301
click-wrap licences 174
see also browse-wrap; EULAs;
shrink-wrap; web-wrap
cloud computing 81, 152, 156, 336, 445
data protection 248
‘code as law’ 22, 277, 278, 290–91, 419, 420
governance in code? 203
see also Lessig
social networks and privacy 321, 337–42
Cogent 437
Colombia
data protection 225, 231, 239, 256
Comcast 426, 428, 430, 437
‘common carriage’ 423
community wireless networks 210–13
Communications Decency Act see USA
competition 148, 419, 423
abuse of dominant position 381–5
by raising court action 384
by refusing to license a technology 383, 384, 385
access and network neutrality arguments 129
‘essential facilities’ doctrine 381
human rights 373–92
telecoms 422
see also interoperability
Compuserve 6, 13, 14
Conficker 457
congestion see broadband
constitutional rights see Bill of Rights
content
controlled by access to networks? 121–41
priority delivery ‘lanes’ 128–30
control see blocking; see children;
see ISP liability
delivery networks 422, 424, 437–8
see also ‘information goods’
contract
bias of powers of intermediaries 412–13
exclusive 121–41
internet dominated by contract 168
privity of contract 169
‘secret’/opaque/ invisible contracts and terms
intermediaries 403, 412–13
social networks 313–15
unfair consumer terms 171, 335, 336, 343
v statute 168–93
see also license contracts
conventions see ‘net effects’
copyright 67, 182
Berne Convention 80, 84, 188, 222
circumvention of copy protection measures 89–90
copyleft 12
Creative Commons 391
demise of copyright as we know it? 90–91
enforcement 424
EU Directives 182, 189
human rights conflict 376–7, 388
ISPs 279, 295
licensing
browse-wrap 174
click-wrap 174
end-user license agreements (EULAs) 174–5, 179, 181, 187, 191–3
over-licensed? 187
shrink-wrap 174
software 174
terms of service 174
web-wrap 174
see Google Books
orphan works 78, 84–6
reform 73–6, 84–6
rights
clearance 84
Google Books replacing transfer of ownership to selling access? 86–9
to use 72
WIPO 89–90, 189, 222
WTO Treaty 182
see also DRMs; Google Books
co-regulation 161, 224, 279
see also regulation; self-regulation
corporate social responsibility 391
Costa Rica 376, 387
criminal law 277, 317, 452
fraud 452, 463–6
see also children; security; sex offences
Croatia 433
data protection 225, 256
Crocker, Steve 9, 19
cross-border cooperation 301
privacy rules 231, 232
cryptography 83, 424
RPKI (Resource Public Key Infrastructure) 58, 64–8
see also electronic signatures
CSAADF (Child Sexual Abuse Anti-Distribution Filters) 285
CSIRTs (Computer Security Incident Response Teams) 452
CSNET (Computer Science Network) 6
cybercrime
Convention 182, 183, 266, 271, 454, 479
London Action Plan 479
see criminal law; see also security
Cyprus
data protection 225, 256
Czech Republic
data protection 225, 256
database
IWF (Internet Watch Foundation)
url database 282
see EU, Database Directive; see also Google Books
data protection 221–51, 309–44
accountability 223, 232, 240–41
AFAPDP (French-Speaking Association of Personal Data Protection Authorities) 226
ASEAN 226, 227, 232
binding corporate rules (BCRs) 240
blocking systems 298–9
CBPR (cross-border privacy rules) 231, 232
cloud computing 248
ECOWAS 227, 232–3, 235
enforcement 222, 223, 224, 225, 228–32, 235, 236, 239, 240, 243–8
mandatory DPOs 240
Index

mandatory DPIAs/PIAs 240, 246–7
PETs 240, 246
EU 236, 237, 330–32
2010 proposals 221
‘adequacy’ 222, 231, 238–9
Article 29 Working Party 237–8, 240, 244, 330, 331, 333, 338, 340, 390
blocking systems 298–9
CoE Convention 108 (1981) 169, 183, 230, 233–5, 239, 244, 250
Commission 230, 241–2
‘data controllers’ 331
‘data processing’ 330
‘data subjects’ 330
Lisbon Treaty 230
standards 229–35, 250
exports 238–9, 331
genetic data 243
see also biometrics; see also sensitive personal information
human rights overlap 223
IPR Enforcement Directive see intellectual property
Mercosur 227, 232
number of laws globally 225
OECD (Organisation for Economic Co-operation and Development) 53, 191, 221, 229, 230, 231, 233, 237, 240, 244, 265, 429
principles 235–43, 251, 331
core principles 236–8
emerging 241–3
sensitive personal data 331
see also biometrics; see also genetic data
self-regulation 222, 223
table of international laws 255–9
UN Treaty proposal 233
see also APEC; children; data retention; ID cards; see also under individual countries eg Sweden
data retention 209, 269–71
Davies, Donald 4–5, 7
DECNET 6
defamation 388, 402
deletion of profiles and of data 317, 412
see also data retention
Demon Internet 284
denial of service
distributed see security, DDoS
DENIC 175
Denmark
child protection 280, 285
out of date blacklist 291
data protection 225, 256
design, technological 198–215
and generativity 202–3
Diaspora 342, 344
Digital Millennium Copyright Act see USA
digital rights management see DRMs
disabled users 365
Djibouti 274
DMCA see USA, Digital Millennium Copyright Act
DNS 28–40, 42, 44–5, 47, 65, 101, 189, 285, 292
DNSSEC 449
domain names 389
Coalition against Domain Name Abuse (CASNA) 36
gTLDs 34, 37, 39–43, 180
applicant process 37
.com 39
.ibm 39
ccTLDs 34, 43, 44–5, 175, 180
gTLD-MOU initiative 173
see also registries, regional
see also ICANN
DRMs 174–7, 189
Dubai
see Saudi Arabia
eBay 327
ebooks 86, 87, 88
see also Google Books
ECHR see human rights economics
institutional 62–8
internet addressing 52–68
of security 445, 446–53
Research handbook on governance of the internet

ECOWAS (Economic Community of West African States) 227, 232–3, 235
EE see Orange
Egypt 329, 374, 376
biometrics 267, 273
electronic signatures 181
‘end-to-end’ 17
end-user licence agreements see EULAs
enforcement see copyright; see data protection; see intellectual property; see police
Epsilon 475
Estonia 374
data protection 225, 256
security
NATO Cyber Defense Center of Excellence 456
subject of internet attack 454, 455, 456
Ethiopia 273
EU
Access Directive 426
Authorisation Directive 186, 439
blocking systems 299
Charter of Fundamental Rights of the EU 223
child protection 278
data protection 225
Article 29 Working Party see data protection, EU
E-Commerce Directive 181, 184–5, 314, 402, 411, 434, 462
E-Signatures Directive 181
‘Europe 2020’ 143
Framework Directive see telecoms
privacy
social networks 309, 311, 314, 329–30, 330–37, 342–4
Recovery Plan 143
Unfair Terms Directive 335, 336
Universal Services Directive (EU) 180, 185
see also data protection; see also ECHR; see also countries by name, eg Germany
EULAs 174–5, 179, 181, 187, 191–3
see also browse-wrap; shrink-wrap; web-wrap
child protection 280, 289, 297
features
‘Beacon’ 316, 327–8
Connect 340
‘Like’ button 328
newsfeed 316
Places 310, 341
HTTPS protocol 313
market valuation 312
problems
data disclosure see social media
data shelf-life 338–9
default settings 322
deletion of profiles 317
exposure of data to search engines 339, 341
opt-out v opt-in 316, 340
Oxford University student case 318–19
policy (terms and conditions) difficulty and opacity 323, 332, 343
see also social media
tabloid press 315
‘fairness doctrine’ 105
Faroe Islands
data protection 226, 239, 256
fibre management 419–39
FIDONET 11
file-sharing sites 296
filtering 280, 283, 434–5, 437
see also blocking
financial services providers
security 463–6, 476
fingerprinting 288, 267, 269, 273, 274
Finland
child protection 280, 285
data protection 225, 256
network neutrality 419, 425
Firefox 468, 469, 470
‘flaming’ 20
Flickr 325
Foursquare 310
France 18, 170, 376, 387
CNIL 226
data protection 225, 226, 256
network neutrality 425, 435
privity of contract 169
FRAND 421
fraud see criminal law
Freedom Box 342
freedoms
four ‘net freedoms’ 421
of commerce and IP ownership 150
of expression 150, 151, 277, 290, 292, 362, 376–7, 388
of information 362
of speech 178, 403, 420
see also censorship; rights
Friends Reunited 310
Funkfeur network, Vienna 209
future 143–64, 198
FYROM (Macedonia)
data protection 225, 256
gaming 154
licences 174
see also World of Warcraft
General Public License 12–13
Georgia
data protection 226
Germany 170, 433
ccTLD 175
child protection 291
anti-blocking group, AK-Zensur 301
data protection 225, 245, 256, 277
network neutrality 425, 433
social networks 310
Ghana
data protection 226, 232
Gibraltar
data protection 225, 256
globalization 147, 260–74
Google 475
Adwords 327
child protection policy 280, 283
Circle 342
Dashboard 344
Google Books 71–93
Book Rights Registry 79
business model 80–84
books as ‘services’ not ‘goods’? 88, 89, 92
selling access not transfer of ownership 86–9
data monitoring by Google 83, 89
(free) extracts/snippets 78, 81, 82–3
library project 77, 83, 85
security 83
licensing models 78, 81, 86
consumer purchase/single-user access license 81
institutional subscriptions 81
non-display uses 82
standard preview 81
opt-in for publishers 77, 85
opt-out for rightsholders 77
out-of-print books 76–84
pricing 82
private act of reforming copyright? 74, 84–6, 92
regulatory framework 76–84
US Constitution, Art 1 74
Google Print 72
latitude 310
OpenSocial
Greece
community wireless networks 209
data protection 225, 256
Guernsey
data protection 239, 256
gTLDs see domain names; see also ICANN
hackers 12–13, 212
‘hacker culture’ 203
harassment 406
‘hard law’ 172
hardware
manufactured with surveillance potential 273
‘hash value’ systems see blocking HEPNET 6
historical perspective 3–24
Hong Kong 262, 263
data protection 223, 225, 231, 239, 245, 246, 256
network neutrality 425
human rights 219–392
Charter on Human Rights and Principles for the Internet 358–68
rights 360–68
data protection overlap 223
ECHR
Art 8 223, 230–31, 298, 330, 377
Art 10 290, 292, 294, 328, 377
Art 19 294
Charter of Fundamental Rights of the EU 223
International Covenant on Civil and Political Rights (ICCPR 1966) 223, 354
International Covenant on Economic, Social and Cultural Rights (ICESCR) 354
procedural fairness 294–5
UN Universal Declaration on Human Rights 353–70
see also Bill of Rights; data protection, privacy
Hyves 310
IAB (Internet Architecture Board) 99
IANA 29, 36, 44, 47, 48, 56
accountability 100, 106–18
accountability and transparency review team 111–13
possible improvements to accountability? 114–16
Bylaws 30, 36, 37
control of
addressing 66
DNS (domain name system) 28–40, 42, 44–5, 47, 65, 101, 189, 285, 292
does it matter? 38–9
IP number blocking 35
legitimacy 101–6
root zone 33, 34, 39, 42–3
GAC (Government Advisory Committee) 27–8, 30, 46–7
IANA 29, 36, 44, 47, 48, 56
ICANN-DOC ‘Affirmation’ 2009 27–48, 176
legal status 36–8
powers over registrars/registries 40–41
to levy fees 3
third party contracts 35
UDRP (Uniform Domain-Name Dispute-Resolution Policy) 41
see also domain names; institutions;
whois
Iceland
data protection 225, 257
identity 406–13
anonymity 401, 402–4, 406
ID cards 264, 266–9
intermediation 407–10
pseudonymity 406
state powers to force disclosure 377
theft 406
see also ID cards
IETF (Internet Engineering Task Force) 20, 55, 171, 184, 207
images see children
India 273, 436
data protection 225, 226, 227, 231, 239, 243, 257
Indonesia 273
data protection 227
information goods 71–93
books as ‘services’ not ‘goods’?
institutions 99–119
accountability 100, 106–18
legitimacy 99, 101–6
‘perception of democracy’ 103–4
possible improvements 104–5
procedural approach 105–6
‘fairness doctrine’ 105
‘right to rule’ 102–3
insurance 317, 451
intellectual property
contractual supremacy? 187–92
IPR Enforcement Directive 182
statutory laws 182
see also copyright; patents; trade marks; WTO, TRIPS
interception see surveillance
intermediaries see ISPs
access to networks 121–41
blended virtual-real space 401, 404–7
digital identity 401
invisibility 401, 402–4
see also ISPs
Index

international developments
  cross-border cooperation, financial crimes 301
International Covenant on Civil and Political Rights (ICCPR 1967) 223
Internet Governance Forum (IGF) 105, 117, 201, 358, 390, 437
Internet Protocol 15, 52–68
  see also addressing; TCP/IP
Internet Society (ISOC) 99, 184
  interoperability 15–17, 340, 419, 426
INTERPOL 285–6
IP see Internet Protocol; see also copyright; see also intellectual property; see also trade marks
Iran 271
Ireland
  child protection 283, 286–7
  data protection 225, 257
Isenberg, David 205
Isle of Man
  data protection 239, 257
ISOC 99, 184
iSophunt 289
ISPs 278–9, 283, 292, 458–80, 420
  liability 434
    for security 447, 457, 458–80
    ‘liability dumping’ 453, 466
    ‘mere conduit’ exception 411, 462
  network operators 121–41
    consumer access-ISP-content provider model 130–33
    investment in improving quality of service 134–6
    regulatory regimes 136–9
    pricing/cost considerations security 448–9
  providers of anonymizing services 43
  relationship with content providers 121–41
    pricing/rent models 127–41
    role between state and citizen (‘tilting’) 293
  traffic management 424
  see also AOL; blocking;
    Demon Internet; filtering;
    intermediaries; self-regulation
Israel
  data protection 225, 239, 257
Italy 170, 433
  child protection 280, 285
  cybercrime 183
  data protection 225, 257
iTunes 310
ITU (International Telecommunications Union) 53, 67, 174, 184, 191, 272
World Summit on the Information Society 389
IWF (Internet Watch Foundation) 278, 280–86, 290, 291, 292, 295–7
JANET (Joint Academic Network) 6
Japan 310
  data protection 225, 229, 231, 245, 257
  network neutrality 419, 425, 427, 429, 430
Jersey
  data protection 239, 257
Kahn, Robert 6
Karrenberg, Daniel 8
Kenya 263
Kirstein, Peter 7
Kyrgyz Republic
  data protection 225, 226, 257
LACNIC (Latin American and Caribbean Internet Addresses Registry) 36
Latvia
  data protection 225, 257
Lessig, Lawrence 22, 85, 89, 91, 205, 278, 290, 313, 405, 419, 420
East Coast Code v West Coast Code 410
Level 3 432, 437
  liability, content 314
  see also ISPs
libraries see Google Books
licensing
  competition law/refusal to license technology 383, 384, 385
  license contracts 72, 73, 75
  changing nature 89–90
  criticised 91
Google Books 78, 89–90
Research handbook on governance of the internet

no longer publisher-rightsholder but rightsholder-user 89

see also contract; standards

Licklider, JCR 4

Liechtenstein
data protection 225, 257

LinkedIn 310

Linux 13

Literary works see Google Books

Lithuania
data protection 225, 257

Luxembourg
data protection 225, 257

Macau
data protection 225, 231, 239, 257

Malaysia
data protection 225, 226, 229, 231, 232, 239, 245, 257

Malta
child protection 285
‘stop pages’ 286, 287
data protection 225, 257

Mauritius
data protection 226, 257

Mercosur 227, 232
‘mere conduit’ 462

Mexico
data protection 226, 229, 231, 232, 239, 258

MFNET 6

Microsoft 188, 379, 373, 382–6, 420, 468–73

Internet Explorer 470
IE7 470

PhotoDNA 290

Security Development Lifecycle initiative 469

Windows
7 472
98 471
Vista 472
XP 471, 472

mobile see wireless

Moldova
data protection 225, 258

Monaco
data protection 225, 258

Mongolia
data protection 226
monitoring
Google, data collection 83
see also interception; surveillance
monopolies 129, 130–33, 147
see also
Montenegro 225, 258
Morocco
data protection 226, 258
Motion Picture Association of America 296
movies 296, 437
Mozambique 273
MSN 126, 461
music 312, 403
MySpace 47, 289, 310, 327

NATO 455, 456

NCMEC (National Center for Missing and Exploited Children) 287–9

‘net effects’ 155–6

NetFlix 437

Netherlands
child protection 280
DNS blocking 292
data protection 225, 258
fingerprint data 269, 274
network neutrality 419, 425, 427–8, 433
social networks 310

networks
contagion 154–5
content delivery networks 422, 424, 437–8
‘Intergalactic’ 4
‘network effect’ 379
network formation 156
neutrality 121–41, 145, 149–52
definition 421
effects
of regulations 127, 130, 136–9
on quality of service 129, 130
four net freedoms 421
‘lite’ v ‘heavy’ 424, 433
mandatory 150
pioneer jurisdictions 425
pricing 121–41
two-sided 126
<table>
<thead>
<tr>
<th>Index</th>
<th>495</th>
</tr>
</thead>
</table>

- quality of service 121–41
- ‘stupid network’ 205
- see also ‘information goods’
- Network Solutions Inc see VeriSign
- New Zealand
  - anti-terrorism 265
  - child protection 280, 285
  - data protection 225, 226, 231, 236, 239, 245, 258
  - internet security, banking and ISP liability 466
  - net neutrality 429
- Newzbin 296
- Nigeria 273
  - data protection 227
- Norway 7
  - ccTLD 175
  - child protection 280, 284–5
  - data protection 225, 258
  - network neutrality 419, 427, 430
- NRAs (national regulatory authorities) 185–6
  - see also Ofcom
- NSI VeriSign see VeriSign
- OECD (Organisation for Economic Co-operation and Development)
  - see data protection
- Ofcom 186, 281, 283, 322, 428, 429, 430, 431
- Openbook 319
- Open Content Alliance 77
  - ‘openness’ 15–17
  - open source 12–13, 14, 20–21, 342
  - see also Diaspora
- ‘Operation Avalanche’ 297
- opt-in/opt-out
  - see Facebook; Google Books
- Orange 437
- Orkut 310
- orphan works see copyright
- out-of-print see Google Books
- Oxford University student/Facebook case 318–19
- P2P 206
  - on decrease 438
  - wireless 207–8
- Pacific Islands
  - data protection 226
- packet
  - deep packet inspection 423
  - switching 4–5
- paedophiles see children
- Pakistan
  - cybercrime 266, 271
  - parental control 321
  - see also children; young people
- patents 171, 383–6
- Eco-Patent Commons 391
- Paypal 212, 464, 465
- Pearl Jam 403
- personal data, sensitive 331
  - see also confidentiality; see also human rights; see also data protection; see also privacy
- Peru
  - data protection 225, 226, 229, 239, 258
  - PETs 240, 246
  - see also technologies
- Philippines
  - data protection 229, 232
- PHORM 435
- photographs
  - Microsoft PhotoDNA 290
  - see also children
- pictures see children
- Ping 310
- piracy sites
- The PirateBay 300
- Poland
  - data protection 225, 258
  - police enforcement 284, 285, 286
- policy 260–74
  - blocking 277–82
  - future internet 143–64
  - internet addressing 52–68
  - security 475–80
  - see also children
- political activism 329, 374
  - see also technical activism
- pornography 288, 406
  - Germany, anti-blocking group, AK-Zensur 301
  - UK ‘Operation Ore’ 297
  - US ‘Operation Avalanche’ 297
  - wrongful accusations 297
  - see also children; criminal law; cybercrime
- portability 340
Portugal 433
  data protection 225, 258
Postel, Paul 9
pricing
  networks 121–41
  see also ISPs
principles
  architecture of the internet 14–18
  data protection 235–43, 251
privacy 309–44, 362–3
  AOL system and potential privacy issue 289
  blocking systems 298–9
  Google Books and issues for reader privacy 83, 89
  privacy paradox 319–20
  pro-privacy organisations
    Openbook 319
  security 452
  see also APEC; data protection privity of contract 169
procedural fairness 294–5
Prodigy 13
Project Gutenberg 77
protocols 15, 52–68
  DiffServ 423
  HTTPS protocol 313
  see also addressing; TCP/IP
quality of service
  network operators 121–41
Rambus 385–7
rape 405–6
redundancy 15–17
reform 143–64
  copyright 73, 84–6
principles
  innovation-friendliness 158, 159
  leadership with humility and flexibility 160
  openness 158–60
  smart regulation 158, 160
registries 40–41, 58, 60
Regional Internet Registries (RIRs) 56
  APNIC 56
  ARIN 56
  AfriNIC 56
  DENIC 175
  LACNIC (Latin American and Caribbean Internet Addresses Registry) 56
RIPE-NCC 56
  see also ICANN
regulation
  by code 278
  contract v statute 168–93
  effects-based 164
  ex ante 164
  ex post 164
  future internet 143–64
  Google Books
    as private regulation 74, 84–6, 92
    regulatory framework 76–84
  internet non-regulatable?
  regulatory migration 144
  rule-based 164
  social networks 330–37
  varieties 161
  see also co-regulation; NRAs; self-regulation
reputation see brand
Reseau Citoyen network, Brussels 209
rights
  see Bill of Rights; copyright; data protection; human rights; privacy
RIPE-NCC 56
Roberts, Larry 7
robots.txt 339, 341
Romania 433
data protection 255, 258
retention 270
routing 52–68
  aggregation 55, 59, 60
  Classless Inter Domain Routing (CIDR) 55, 57
definition 54
RPKI see cryptography
RSA SecureID 475
Russia 310
data protection 225, 226, 258
SamKnows 425, 430
San Marino
data protection 225
Saudi Arabia
  Dubai
data protection 225
Scots law 189
  see also UK
Index 497

search engines
  exposure of personal data to search engines 339, 341
  robots.txt protocol 339, 341
  see also Google
Second Life 47, 192, 313, 373
security 445–80
cyberattacks
  against Estonia 454, 455, 456, 476
  against Georgia 455, 476
  against Google 475
HTTPS protocol 313
insurance 451
libraries/Google Books 83
moral hazard 450–51
problems
  botnets 454, 456–8
  China–US government attacks 455
  Conficker 457
  DDoS attacks 212, 213, 215, 455
  keyloggers 449
  Stuxnet 455
  Trojans
  worms 456
  see also technical activism
pricing/cost considerations 448–9
protection measures 453–4
  CERTS (Computer Emergency Response Teams) 452, 459
  CSIRTs (Computer Security Incident Response Teams) 452, 454
HTTPS protocol 313
NATO Cyber Defense Center of Excellence 456
software patches 467–9
routing 60
user discretion 473–4
self-regulation 277, 279, 281, 292, 293–4
Google Books
social networks 341, 343
traffic management/broadband 430, 431
varieties of self-regulation 161
  see also code; Cybercrime
    Convention; data protection; regulation
Senegal
  data protection 232, 258
Serbia
  data protection 225, 258
sex offences
  virtual rape 405–6
  see children; blocking
Shaw Communications 437
shrink-wrap licenses 87, 174
  see also browse-wrap; click-wrap; web wrap
signatures see electronic signatures
Singapore
  data protection 226, 229, 232
  Skype 129, 379, 424, 425
Slovakia
  data protection 225, 258
Slovenia
  data protection 225, 259
social networks 309–44, 406
  contractual relationship but secret? 313–15
  data protection 248
  defined 311
  deletion of profiles and of data 317
demographics 310, 315
  problem characteristics
    apps 312, 324, 325–6
    bullying 318
    data disclosure (inadvertent or out of context) 313, 317, 326
    location services 311–12
    profiling 327–8
    search engines' capability to grab data 339
    social inclusion/exclusion pressures 320, 334
    “stranger danger” 317
    surveillance 317–18
    tagging 314, 326
    third party advertising 312, 314, 324–8
    user’s ignorance
    users’ inertia 322
    users’ lack of knowhow 323
regulation 330–37
  security 445
’soft law’ 171–2
software
  Directive 182, 188

Ian Brown - 9781849805049
Downloaded from Elgar Online at 10/30/2021 06:27:06PM
via free access
licences 87, 174
security patches 467–9
Sony Playstation Network 475
South
network neutrality 425, 429
South Africa
data protection 226
South Korea
data protection 225, 227, 231, 239, 243, 245, 259
Soviet Union
data protection 225
see also Russia
Spain
data protection 225, 259
Spamhaus 452, 460
SPN 6
Spotify 312
Standards 171, 229–35, 250, 271–4
competition issues 379, 385, 386
data protection 229–35
IETF 171
open standards 390, 391
see also addressing, protocols; FRAND
State-based governance destabilised 200–202
statute 168, 181–93
‘stop pages’ 284, 286, 287, 291
Stuxnet 455
suicide sites 296
surveillance 271–4
hardware manufactured with surveillance potential 273
Iran/Nokia Siemens 271–3
see also blocking; children
Sweden
child protection 285, 291
cybercrime 183
data protection 224, 225, 259
network neutrality 425
Switzerland 433
child protection 285
data protection 225, 239, 259
Taiwan
data protection 225, 229, 231, 239, 243, 246, 259
network neutrality 425
Taipai
TCP/IP 6–7, 17, 18, 23, 153, 169–70, 184
minimalism by design 205
technical activism 198–215
technological solutions 277
PETS (privacy-enhancing technologies) 223
telecoms
EU Framework Directive 148, 171, 184, 434
terms and conditions see contract; see also social media
terrorism see anti-terrorism
text services 425, 428
Thailand
data protection 225, 232
‘tilting’ see ISPs
T-Mobile 432
TOR 300
Torvalds, Linus 13
trade
marks 377, 402, 403
parallel imports 377
priority rights in domain name applications 39, 41
secrets 373, 381
traffic flow management 41, 419–39
DiffServ protocol 423
TRIPS 182, 189, 392
trust schemes
TrustE 335
Tumbler 376
Tunisia 374
data protection 226, 259
Twitter 310, 325, 329, 340, 376
traffic flow management 41
Tymnet 6
UAC (User Account Control) 472, 474
UCL (University College London) 7–9, 23
UDRP (Uniform Domain-Name Dispute-Resolution Policy) 41
see also ICANN
Ukraine
data protection 226, 259
UN 264
Convention on the Use of Electronic Communications in International Contracts 181
human rights charters 375, 388, 390
Universal Declaration on Human Rights 353–70
Working Group on Internet Governance (WGIG) 117, 199
see also International Covenant on Civil and Political Rights (ICCPR 1967); International Covenant on Economic, Social and Cultural Rights (ICESCR) 354; Internet Governance Forum (IGF); World Summits on the Information Society (WSIS)
United Kingdom 4–24, 171, 260–74
child protection 278, 280, 281, 284–5, 293, 297
Communications Act 2003 185
data protection 225, 246, 259
doctrine of abuse of rights 189
network neutrality 419, 428, 435
privity of contract 169
privacy
social networks 315–16, 321–29, 333, 335
unfair terms 171, 335
see also Ofcom
Universal Declaration on Human Rights 353–70
Universal Service Directive (EU) 180
UNIX 12
Uruguay
data protection 225, 231, 239, 259
USA 4–24, 177, 260–74
child protection 281, 287–90, 297, 314–15
lack of procedural fairness 294
Communications Decency Act 178, 314, 402, 411
copyright 315
data protection 183, 225, 227, 228–9, 231, 232, 236, 242, 246, 247, 248, 278
Digital Millennium Copyright Act 182
Internet Freedom Agenda (2010) 206
network neutrality 425, 428
privacy 183, 314–15
security, Electronic Funds Transfer Act (1978) 465
social networks 314–15
see also Baran; Licklider; security
usage based billing 428–9
usenets 11
VeriSign 29, 33, 35, 173
video
and bandwidth 429, 437
VISA 212, 457, 465
Vodafone 376
voice 147, 423, 424, 425, 433
VOIP (voice over Internet Protocol)
129, 152, 423, 424, 425, 428, 433
voluntary regulation see self-regulation
W3C 99
‘walled garden’ 152, 342
watermarking 83, 88, 175
see also DRMs
webwrap licences 174
see also browse-wrap; click-wrap; shrink-wrap
WGIG 117, 199
whois 41, 63, 67
WikiLeaks 198, 211–15, 457
Wikipedia 283, 284, 295
WIPO see copyright
wireless 445
commons 208–10
networks, US 122
community (CWNs) 198–215
P2P 207–8
Working Group on Internet Governance (WGIG) 117, 199
World of Warcraft 47, 174, 313, 373, 391
World Summits on the Information Society (WSIS) 201
World Trade Organization (WTO) 148, 174, 182, 191, 378
see also TRIPS
Yahoo 126
young people
social networks 310, 315, 316, 321, 322, 337
see also children
YouTube 62, 323, 422, 434, 438