Index

access charge uplift 81
access pricing 53, 58
access requirements 131, 132, 134, 139
account management output 121, 122
accounting complexity 130
activity-based costing (ABC) 83, 84–5, 128–43
activity-based sorting outputs 229–31
adjusted separate approach to cost 118
advertising 171, 174, 178, 196, 197, 209–21
AJ effect 2
Amadeus 26
Ambrosini, Xavier 68, 69, 126, 207
ANACOM 34, 35–6, 38, 40, 41, 43, 47, 49
Anderson, Chris 315
ARCEP 74
Austria 322
Austrian Post 322, 323, 327–8
appraisal of 330–31
employee/management relationship 334
employees and change 326
image of 328, 329, 332–4
IPO 322, 327–8, 334
need for change 325–6
services offered 323
and USO 323
Austrian Post Corporation 327
Averch and Johnson see AJ effect
B2B parcel market (Germany) 280–96
B2B sector 276, 280–96
B2C sector 268–71, 280, 283
BAC
company profile 299–300
cost-effectiveness of green strategies 304, 305
environmental footprint 301–2, 306
and environmental issues 299–300
GHG emissions 302–7
and mail 300–301
Bank of America see BAC
barcode technology 313, 316
Belgium Post 178
Benjamin, Maynard 334
Benkler, Yochai 318
Boldron, François 68, 100, 109, 184, 205
Bosch, Christian 324, 325
Bozio, A. Thomas 129, 227, 228, 229, 232, 237, 241
BSkyB 60
business models 163–5
business-mail zones 6
C&T mail 172
CAA 23
Canada
cost accounting in EPPML-enabled environment 135–40
postal price elasticity 167
transformational investment 311
Canada Post 128, 129, 136, 311
Castro, João 12, 16
Charan, Ram 315
Chicago Climate Exchange 300
Chronopost 282
CityMail 275
co-creation of value 316, 317–18
Coalition for Environmentally Responsible Economies (CERES) 299
collection point density 1
collective intelligence 318–19
communication in postal companies 327–8
communications networks see Internet
compensation funds 81
competition law 273–6
Competitive Postal Market Model 105
competitive tendering 81
ComReg 24
Cornee, Joël 197
cost accounting in EPPML-enabled environment 135–40
costing
ABC 83, 84–5, 128–43
accounting complexity 130
adjusted separate approach 118
attribution to individual elements 116–17
bottom-up method 117
calculation methods (USOs) 114–15
coefficients 123–4
combined obligations 124
complexity of 130
cost accounting 129–30, 135–40
cost attribution 116
cost driver profiles 136, 137
cost elasticities 121
cost function 122–3
cost structure of post offices 122
cost uniformity 241
cost variations 240
cost-causative attributes 136, 137
cost/revenue interaction 102
data use 123
delivery 147, 271
disaggregated approach 116, 119–20, 129
dynamic approach 103–6
economies of scale 121
employee wages 246
entry pricing (EP) 111, 114, 239
in EPPML-enabled environment 135–40
estimation results 123–4
European public sector procurement 258–59
FDC 223
first class letter cost 272
first round net costs 106
fixed 147
global approach to 116–18
growth strategies 313
incremental 85–6, 129
indirect costs 138
interdependencies in net costing 118
labour intensive delivery 271
mail processing cost 241, 245, 246, 247
net avoided cost (NAC) 114, 239, 248
net cost arbitrariness 117
NPOs 147–48
opening hours 122
physical capital for post offices 122
piggy-back factor 242
and policy 101–2, 114, 115
Postal and Logistics Consulting Worldwide (PLCW) 105
potential entrants 146–7
price changes 106
and product innovation 129
profitability cost 101, 114–15
redirection 138
regional effects 122
sequential approach 118
service costing methodology 95–8
and service features 105
static approach 102–3
total net cost 117
total product cost 129
unit delivery costs 239
upstream 147
USO costs 67–8, 86, 95–8
USPS 223–4, 228
USPS unit mail processing cost 241, 242–3
VAT 57, 145–6, 147–61
volume dependent 129
wages 246
see also Royal Mail; USPS
Cowgill, Bo 319
Cremer, Helmuth 58, 64, 68, 100, 108, 125, 145, 146, 150, 155, 160, 161, 184, 185, 186, 280
Crew, Michael A.K. 3, 6, 8, 11, 12, 13, 16, 17, 23, 30, 35, 44, 53, 70, 78, 85, 126, 129, 140, 165, 280, 323, 324
customer-defined innovation 314–16
customer-directed information 134
customers, types of 4, 55–6
data elements in mail 131
De Donder, Philippe 53, 56, 58, 64, 145, 146, 150, 155, 160, 161, 184, 280
decremental costing 85–8
delivery cost 4, 89–90, 147, 271
delivery frequency 165
demand and substitution model 266–7
democratizing innovation 314–15
Denmark 253–4, 271, 274
Post Danmark 254, 274
deterministic quality attributes 13
Deutsche Post World Net 280, 283, 286, 290
Deutsche Post/DHL case 273–74
Deutsche Telekom 60
DHL (Deutsche Post) 165, 282, 283–5, 286, 288, 290–96
Dietl, Helmut M. 114, 180, 285, 323
direct incentive mechanisms 24
Direct Mail 163, 164, 166, 171, 172, 173, 175, 176, 178, 179
direct marketing value chain 311
DPAG 74, 274
DPD 282, 283, 284, 286, 288, 290–96
Dudley, Paul 16, 64, 145, 146, 150, 155, 160, 161
dynamic approach to net costing 103–6
econometric model 121–3
economies of scale 121
electronic communication 128, 130–35, 263, 266, 267, 268, 272, 276
see also internet
employees and change 326
End of Run (EOR) system 225
end-to-end service 7
entry pricing 111, 114
Envelope Manufacturers Association Global Envelope Alliance 310, 319
environmental issues 298–308
EPMU 87, 151, 152, 153
cPostal Commerce see electronic communication
Index

EPPML 128, 132, 133, 134–5
attributes 136
enabled environment 135–40
models of 140–42
equi-proportional mark-up see EPMU
EU see Europe
Europe
Deutsche Post/DHL case 273–4
domestic letter post 174
and electronic communication 275
electronic communication regulation 275
European Commission 74
European Consumer Satisfaction Index 43
European Court of Justice 71
European Standards 48, 134
full market opening (FMO) (2011) 1, 35, 67, 163–4, 165, 324
legislation 67, 68, 73, 84, 113, 115–16, 118, 163, 223, 250, 251, 260, 263, 324
market liberalization 113
Postal Services Directorate 117, 118
public sector procurement 250–60
advertising 251
Article 30 in postal sector 253–6, 259, 261
Article 30 procedure 252–3, 275
and compatibility safeguards 259
costing 258–9
discrimination 251
exemptions to legislation 254–5
as financing mechanism 259–60
and market forces 257
mechanism flexibility 256–7
New Directive 256
postal exemption 250
tendering 251
to compensate USC 257–8
to inject competitiveness 259
Utilities Directive 251–2
and scope of USO 265
Third Directive and USO 265
USO compensation 113
ex ante regulation 57–60, 61
ex post regulation 57–60
express courier services 169
Extensible Postal Product Model and Language see EPPML

Florens, Jean-Pierre 121, 180, 185, 186, 205, 217, 271
FMO (full market opening) see Europe
France 167, 196, 212
see also La Poste
Franco, Agostinho 12, 16
Fratini, Alessandra 261
fully distributed cost accounting (FDC) 223

GDP and postal volumes 173
Germany 202, 212
B2B parcel competition 283
B2B parcel market 280–85
competitive strategies 280–96
innovation 311
market entry 280–96
parcel market growth 281
parcel market shares 292
product segmentation 282
standard versus express parcel delivery 282–3
see also Deutsche Post; DHL; DPD; GLS; Red Parcel Post; UPS
GHG (greenhouse gas) emissions 298–9, 300, 302–7
global approach to USO cost 116–18
Global Envelope Alliance (GEA) 310, 319
Global Innovation Networks 319
GLS (General Logistics Systems) 282, 283, 286, 288, 290, 291–6
GOI 282
Gore, Vice-President Al 298
green strategies 304, 305
Greene, Moya 311
Groupe La Poste 201, 204, 283
growth strategies 313

Henderson, Todd 319
household transaction costs 7
Huston, Larry 317

ICP-ANACOM see ANACOM
incremental costing 85–6, 129
information attributes of mail 131, 133
initial public offerings see IPO
innovation
customer defined 314–16
democratizing 314–15
investments 309
Proctor & Gamble model of 317
sustainable 319–20
Intelligent Mail Barcode (IMB) 313, 316
interdependencies in net costing 118
Intergovernmental Panel on Climate Change 298

FaceBook 317, 318
FedEx 282
Filpo, Fabio 261
Finland 167, 212, 254–5, 266–71, 275, 277
Finland Post 255
first handling pieces (FHP) 225
first-class mail 3, 48, 108–10, 266–72, 311
Flat Sequence Sorter (FSS) machines 313
Progress in the competitive agenda in the postal and delivery sector

intermedia competition 171–9
International Postal Corporation 26, 310
Internet
advertising effects on direct mail 209, 211–12
advertising expenditure 213, 220–21
advertising model 213–17
banking 270–71
expenditure diffusion model 217–20
post-Internet marketplace 314
social networks 317–18
technology 16, 172, 263
see also ePostal Commerce
IPO
in Austria 322, 327–8, 334
change management 322, 325–6
change process 327–8
customer orientation 322, 324–5
historical roots 322–4
impact of 328–9
Italy 165, 172
advertising market 173
Poste Italiane 69–70, 80
Jaag, Christian 16, 100, 102, 119, 121, 126, 169, 170
Joram, Denis 68, 100, 109, 184, 205
Joskow, P.L. 23
Klargaard, Olaf 207
Kleindorfer, Paul R. 6, 8, 11, 12, 16, 17, 23, 30, 35, 44, 53, 70, 78, 85, 126, 129, 140, 165, 280, 323, 324
Koppe, Peter 324, 325
La Poste 201, 204, 283
labor demands and multiproduct firms 226–9
labor input variability 223–37
Lafley, A.G. 315
Lewis, Kenneth 299
liberalized market, competing business models in 163–5
Lintell, Michael 268, 271
Lisbon Protocol 264–6, 277
LiveMeeting 317
Lutzenberger, Martin 114
McKinsey & Co. 315, 318, 319
mail
access requirements 131
data elements 131
information attributes 131, 133
letter services costs 263
output 121
physical attributes 131, 132
preparation costs 105
processing cost variations 240
processing rules 131–2
product attributes 131
rules 131, 133
VAT rate on single-piece 157–60
mail order businesses see MOB
mail processing
hedonic output model of labor demand 231–3
operating data (MODS) 225–31
volume concepts 225–6
mailshot packaging 201
Malone, Thomas 318
Management Operating Data System (USPS) 224
margin squeeze 57–63, 64
margins 29, 30
market-based sorting outputs 229–31
minimum quality standard 3
MOB
addressed direct mail 197
cinema 197
costs 198
customer database 199
decline 283
delivery price/mailing costs 205
e-mails 197
external database market 200
mailing campaigns 198
mailshot packaging 201
media above line 196–7
media below line 197–8
media plan 198
objective 197
outdoor 197
and postal operators 198–9, 202, 206
press 197
price discrimination 202–7
price-sensitive demand 202
prospective customers 199, 201
radio 197
response probability 198, 201
ROI marketing 197, 198, 199
television 197
models
B2C letters 268–71
competing business models in liberalized market 163–5
Competitive Postal Market Model (Frontier) 105
demand and substitution 266–7
econometric model 121–3
EPPML 128, 132, 133, 134–5, 140–42
hedonic output of mail processing labor demand 231–3
internet expenditure diffusion 217–20
market entry 126
MSM structure 168–9
parcel delivery system 288
postal network market 184–95
postal products 140–42
postal taxation 146–9
product segmentation (Germany) 282
Red Parcel Post market entry 288–90
Royal Mail collections model 89
Royal Mail costs summary model 90
Royal Mail decremental cost 88–90
Royal Mail delivery costs model 89–90
Royal Mail Inland Letter Traffic Model (ILTM) 104
Royal Mail mail center model 89
Royal Mail other costs model 90
Royal Mail regional distribution center model 89
sensitivities in calibrations 156
service quality, price caps and USO 4–10, 12–14, 19–22
service quality and price regulation 25–8, 32–3
shape-level automated processing 235
single-output operation-level 233–4
UK internet advertising 213–17
use of outputs 121–2
Monaco, Diane 224, 229, 230, 232, 246
monopoly 2, 4, 164, 202, 320
MSM 163, 166, 168–71
multi-sided market theory see MSM
multiproduct firms and labor demands 226–9
MySpace 317, 318
national postal operators see NPOs
Nature Conservancy International Leadership Council 299
net avoided cost (NAC) 114
Netherlands 202, 311
see also TNT
network externalities 184–95
new product introduction 129–30
Nikali, Heikki 266, 267, 268, 270, 278
Norway 271
NPOs
and competition 145
cost types 147–8
as UPS providers 145
VAT exempt 57, 145–6, 151–3, 161
VAT rate change on single-piece mail 157–60
VAT-rated 153–6
Obrea, Andrei 128, 129, 130, 131, 134, 143, 315, 319
observable quality metrics 13
Ofcom 60
Office of Fair Trading 60
Ofgem 23, 24
Ofwat 23
opening hours as cost driver 122
Osborn, Derek 334
OTTO 283
Oxera report 81, 114
parallel markets 277
parcel delivery system model 288
parcel market shares 292–6
parcel output 121
parcel post analysis 128–43
pay-or-play 81
payment transaction output 121–2
PCR 1, 2–3, 12–15, 34–5, 38–40, 49
peak-load pricing 3
physical capital for post offices 122
piggy-back factor 242
Pintsov, Leon A. 128, 129, 130, 131, 134, 143, 315, 319
policy and postal cost 101, 114–15
Portugal
ANACOM as regulator 34, 35–6, 38, 40, 41, 43, 47, 49
Azores/Madeira factors 42
complaint handling 43
Correios de Portugal, S.A. (CTT) 35, 38, 40, 41, 43, 44, 47, 49, 50
legislation 38, 40, 41–2, 51
non-CEP/CTT providers 36–7
non-priority mail 48
operating income 35
Portuguese Competition Authority 51
postal employment 35, 36
postal market 35–7
postal price elasticity 167
postal services 35, 37
price caps 34–5, 38–40, 49
price regulation 38–49
regulatory framework 38
satisfaction/quality variables 44
service quality 40–49
service quality indicators 41, 42, 44–9
service-price link 41, 50
USO requirements 35
Post Danmark 254, 274
post office closure savings 126
post office cost structure 122
post-Internet marketplace 315
postal agencies, Switzerland 120, 121
Postal Commerce environment 134
postal employees and change 326
Postal and Logistics Consulting Worldwide (PLCWW) 105
postal modernization 128
postal network market models 184–95
postal operators
and communication 327–8
and costs 147–8
as customer-oriented 334
entrants 147–8
and goods offered 146
image 328, 329, 332–4
influences on 322
and MOBs 198–9, 202, 206
price discrimination 202–7
pricing policy 205–7
see also individual operators
postal organization development 325
postal price elasticity 165–8
postal product
cost accounting 142
decomposition 136
definition 131, 139
innovation 129–30
model 140–42
postal redirection 138
postal sector regulation 264–6
Postal Services Act (2000) 52
postal services monopolies 202
postal taxation 57, 145–6
postal taxation model 146–9
postal volumes and GDP 173
PostComm 23, 24, 94
POSTDIENST 74
PostReg 119, 125
Potter, John E. 311
price discrimination 202–7
price elasticity 165–8
price-cap regulation see PCR
pricing 3
Proctor & Gamble 315, 317
product features of standard shipments 284
product innovation 128, 130–35
product segmentation (Germany) 282
profit maximization 191
profitability cost 101, 114–15
public sector procurement 250–60
see also Europe
public subsidy 81
quality see service quality
QUELLE 283
random effects 3
rate of return regulation 2
Recency, Frequency, Monetary value see RFM
Red Parcel Post 280, 285–96
regression estimators 225
regulating quality metrics 13
Reinier, Robert A.P. 310, 311, 312, 334
reliability 3
response probability 198
retail outlet density 1
revenue generation 312–13
RFM (Recency, Frequency, Monetary value) segmentation 200
Robinson, Matthew 57, 313
Rodriguez, Frank 58, 64, 69, 100, 114, 145, 146, 150, 155, 160, 161, 209, 213, 214, 271, 280
ROI marketing 197, 198, 199
ROR 2
Roy, Bernard 68, 69, 100, 109, 121, 184, 185, 186
Royal Mail
access 53–60
growth 55–7, 63
pricing 58, 59–60
to market 53–5
activity-based costing (ABC) 83, 84–5, 90, 93
addressed inland mail 56
alternative costing 85
bulk discounts 52
changes to postal market 83
collections model 89
Competitive Postal Market Model 105
contested products 105
cost
allocations of 92
alternative demand estimates 107
calculations of 91
collection 106
common costs 87
cost comparisons 91–2
cost/revenue interaction 102
costs summary model 90
decremental costing 85–8
decremental models 88–90
disaggregated 129
drivers 91
dynamic approach 103–6
text pricing method 111
five-day week revenue loss 107
five-day week savings 107
high level results 92
incremental costing 85–6, 92
increments 87
information used 88
local distribution 105
mail preparation (indoor delivery) 105, 107
of maintaining First-Class service 107–8
of maintaining six-day service 107–8, 110
net cost estimating 104
net cost of USO 100, 103
in non-USO scenario 99
outdoor delivery 107
price change 106
profitability cost method 101
service costing methodology 95–8
service costs 91
and service features 105
of single two-day mail product 109–10
static approach 102–3
transport 105
customer surveys 104
delivery costs model 89–90
delivery frequency reduction 165
delivery times 107
equi-proportional mark-up 87
financial difficulties faced 83
First-Class delivery targets 108
First-Class premium 109
First-Class service 3, 108–9
five-day service 106–8
Inland Letter Traffic Model (ILTM) 104
innovation 310
Inward Mail Centres (IMC) 54
LECG efficiency review 224
legislation 52, 59, 84, 93, 94, 106
Licence 52, 54, 59, 84, 93–4
mail center model 89
mail types 56–7
Mailsort 52
margins 53, 57–63, 64
monopoly abolition 202
need to compete 84
network facilities 87
new product introduction 129–30, 310
operating data suitability 224
other costs model 90
as owner of GLS 283
parallel networks 88
post office counters inefficiency 121
postal price elasticity 167
postal volume 52–3
price
margins 53, 60
regulation 57–60
profitable service selection 102–3
regional distribution center model 89
Regional Distribution Centres (RDC) 61, 63, 65
regional efficiency differences 121
regulation 53, 54
Second-Class service 3, 109
single two-day mail product 109–10
six-day service 106–8, 110
small competitors discouraged 55
two-class mail requirement 109
and UK Mail 52
uncontested products 105
and VAT 57, 145–6, 147–61
volume customer led 104
see also UK
Sakkab, Nabil 317
sale of optional products output 121, 122
Sappington, David E.M. 1, 2, 3, 23
search for innovation 309
second-class mail 3, 109, 109–10, 266, 270
second-line growth strategies 313
Sender-Directed attribute 137
service costing methodology 95–8
service quality 1
constraints on 4
customer reaction to change 104
and delivery reliability 3, 4
delivery times 107
and demand 15
deterministic quality attributes 13
double penalty 46
First-Class premium 109
First-Class targets 108–9
and higher wages 29
incentives 1, 12–14, 23–5, 30
indicators 41, 42, 44–9
and internet/information technology 16, 83
investment in 15
levels 3
literature 1, 2–4, 25
minimum quality standard 3
model for service regulation 4–11
and monopoly 2
in Portugal see Portugal
and price regulation 23–30
quality incentives 23–4
random effects 3
regulated prices and margins 29, 30
regulation 2, 3–4, 15, 25, 29–30
stochastic quality attributes 13, 14, 25
targets 44
variables 27, 44
service-differentiated pricing 3
service-price link 41
Severts, Jeff 319
shape-level automated processing model 235
single-output operational-level model 233–4
social networks 317–18
sorting outputs, activity- and market-based
229–31
Soteri, Soterios 209, 213, 214, 271
Spain 202
Spence, A.M. 25
stable product portfolio 130
stochastic quality attributes 13, 14, 25
substitution 266–8
and competition law 273–6
electronic 322
Surowiecki, James 319
Sweden 165, 202, 212, 275
Swinand, Gregory 25
Swiss Post see Switzerland
Switzerland 113
account management output 121, 122
case study 119–26
combined obligations cost 124
cost function 122
disaggregated approach 119–20
econometric model 121
economies of scale 121
estimation results 123–4
front office elasticity 121
global approach to costing 120
mail output 121
opening hours 122
optimal post office network 119
optional product sale output 121, 122
parcel output 121
payment transaction output 121–2
physical capital of post offices 122
postal agencies 120–21
PostReg 119, 125
Swiss Post innovation 310
Swiss Post USO 119–20
Synthetron 317
tariffs 40
TCM 291, 293, 294, 295
Telecom 178
Telefonica 60
Telekom Austria 327
Telson, Michael L. 2
Third Postal Directive 106, 163, 263, 265, 276, 277
TNT (Netherland Post) 129, 165, 207, 282
top-line growth strategies 313
total contribution margin (TCM) 291, 293, 294, 295
total piece handlings (TPH) 225
total pieces fed (TPF) 225
transformation strategies 310–13
transport costs 105
Treaty of Lisbon 264, 277
Trinkner, Urs 16, 100, 102, 119, 121, 126, 169, 170, 221, 285
UK
addressed direct mail 209
advertising expenditure 212, 217, 220–21
changes to postal market 83
direct mail trends 210–13
direct mail volume growth 210, 211
Internet advertising model 213–17
Internet expenditure diffusion model 217–20
Internet growth 209, 211, 212
legislation 52, 59, 106
liberalization of 52, 84
mail decline 209, 211
market non-expansion 83, 93
small competitors to Royal Mail discouraged 55
see also Royal Mail
UNEX 26, 30
United Kingdom see UK
United States Postal Service (USPS) see US
Universal Postal Union (UPU) 26, 30, 310
Universal Service Obligation (USO) 1
Universal Service Provider see USP
UPS 282, 286, 288, 290, 291–6, 316
US
Bank of America and environmental issues 299
cost coverage 223
costing 223–4
direct mail trends 210–13
direct mail volume growth 210, 211
equipment 298–308
Management Operating Data System 224
population/wage differences 246
Postal Accountability and Enhancement Act (PAEA) 223
Postal Regulatory Commission (PRC) 223, 224, 227
USO mandate 241
USPS 85, 129, 167, 172, 202, 223–37
  accrued costs by function 240
cost uniformity 241
cost variations 240
data construction 241–3
delivery costs 239
employee wages 246
facility characteristics 241
facility-specific unit costs 242, 244
Flat Sequence Sorter (FSS) machines 313
future of 309–14
growth strategies 313
innovation 310–16
Intelligent Mail Barcode (IMB) 313
link to profitability 239
mail processing cost 241, 245, 246, 247
Index

mail processing operating data (MODS) 225–31
mailpiece density 243
piggy-back factor 242
revenue generation 241
route types 243
sorting operations (data) 223–37
total volume 243
Transformation Plan 311, 312
urbanicity of routes 243
USO mandate 241
variable costs 242, 247
workload measurement 242
worksharing discounts 223
user-defined innovation 314
USO
adjusted separate approach to cost 118
attribute to individual elements 116
Austrian Post 322–34
and B2B market 280
bottom-up method 117
calculating costs of 113–16
calculation methods 114–15, 239
competition 69, 277
as constraint 104, 113
costs 67–8, 86, 95–8
disaggregated approach to cost 116
economic justification 184
and EU Third Directive 265
in Europe 113
factors in 68–9
as financial burden on USP 71–2, 75, 76, 80
financial sustainability 69–71
and first-class letter cost 272, 273
first-class mail safeguards 266
and full market opening 163–5
funding in liberal market 74–7, 113
global approach to 116–18
importance to regulated industries 24
interdependencies in net costing 118
net cost 68–9, 70, 74, 113, 115–16, 117, 125
net cost arbitrariness 117
and network externalities 184–95
obligation on USPs 100–102, 277
and opening markets 11
policy issues 101–2, 113
in Portugal 35
potential derestricion of 100
regulators 1
and regulatory framework 75
and Royal Mail costing 85, 100
scope 241
sequential approach 118
and social benefits 184
in Switzerland 119–20
and Third Directive 277
total net cost 117
as two dimensional 116
two-class mail requirement 109–10
see also Portugal; Royal Mail; USPS
USP
competition and compensation 73–4, 78, 80
constraints on 4, 101
deficit 69–70
financial burden of USO 71–2, 80, 100–101
funding mechanisms 75–7, 81
g raveyard spiral 70–71
liberalization threat 70
market
conditions 71
loss 69
power 68
share 105
and NPOs 145
obligations 101
policy issues 101–2
profit 73, 74, 76, 100
and regulatory framework 75
and USO costs 67, 69, 101
USP see US
VAT and postal operators 57, 145–6, 147–61, 157–60
Visco Comandini, Vincenzo 169, 170
volume dependent costing 129
Von Hippel, Eric 314
Wagner, Stephen M. 296
Webex 317
Wikinomiks (Tapscott and Williams) 317
XML schema 132, 135
YouTube 317
zonal structure 1