

Appendix

See Tables A.1 and A.2.

Table A.1 Discount factor $(1/(1 + r))^n$

Years, No. n	Interest rate, r										
	5 %	6 %	7 %	8 %	9 %	10 %	11 %	12 %	13 %	15 %	20 %
1	0.9524	0.9434	0.9346	0.9259	0.9174	0.9091	0.9009	0.8929	0.8850	0.8696	0.8333
2	0.9070	0.8900	0.8734	0.8573	0.8417	0.8264	0.8116	0.7972	0.7831	0.7561	0.6944
3	0.8638	0.8396	0.8163	0.7938	0.7722	0.7513	0.7312	0.7118	0.6931	0.6575	0.5787
4	0.8227	0.7921	0.7629	0.7350	0.7084	0.6830	0.6587	0.6355	0.6133	0.5718	0.4823
5	0.7835	0.7473	0.7130	0.6806	0.6499	0.6209	0.5935	0.5674	0.5428	0.4972	0.4019

Table A.2 Annuity factor $(1 - ((1/(1 + r))^n))/r$

Years, No. n	Interest rate, r										
	4 %	5 %	6 %	7 %	8 %	9 %	10 %	11 %	12 %	13 %	20 %
1	0.9615	0.9524	0.9434	0.9346	0.9259	0.9174	0.9091	0.9009	0.8929	0.8850	0.8333
2	1.8861	1.8594	1.8334	1.8080	1.7833	1.7591	1.7355	1.7125	1.6901	1.6681	1.5278
3	2.7751	2.7232	2.6730	2.6243	2.5771	2.5313	2.4869	2.4437	2.4018	2.3612	2.1065
4	3.6299	3.5460	3.4651	3.3872	3.3121	3.2397	3.1699	3.1024	3.0373	2.9745	2.5887
5	4.4518	4.3295	4.2124	4.1002	3.9927	3.8897	3.7908	3.6959	3.6048	3.5172	2.9906

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- <http://www.maintenancejournal.com.au> (Asset Management and Maintenance Journal).
- <http://www.assist.daps.dla.mil> (Military Standards).
- <http://www.bsi-global.com> (British standards).
- RIAC U.S. Department of Defense Reliability Information Analysis Center.

International organizations:

- GFMAM Global Framework in Maintenance and Asset Management.
Australia: Asset Management Council. amcouncil.com.
Brazil: abraman.abraman.org.br.

Canada: PEMAC. pemac.org.
 Europe: EFNMS. efnms.org.
 South Africa: SAAMA. saama.org.za.
 USA: SMRP. smrp.org.

Standards

API 510—Pressure Vessel Inspection Code.
 API 570—Piping Inspection Code.
 API 580 and API 581—Risk Based Inspection.
 AS 1200:2000 Pressure Equipment.
 AS 3788:2001 Pressure Equipment In-service Inspection.
 AS 4343:1999 Pressure Equipment—Hazard Levels.
 AS 4360—Risk Analysis and Management.
 AS 4536—Life Cycle Costing.
 AS 4801—Occupational Health and Safety.
 ATA MSG-3—Air Transport Association Maintenance Steering Group.
 BS 5760—Failure Mode and Effects Analysis.
 BS 18001—Occupational Health and Safety.
 CSA Z662—Oil and Gas Pipeline Systems.
 IEC 60300—Dependability Series.
 -3-3 Life Cycle Costing.
 -3-10 Maintainability.
 -3-11 Reliability Centered Maintenance.
 -3-12 Integrated Logistic Support.
 IEC 60812 Failure Mode and Effects Analysis.
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 ISO 10007 Quality Management Systems, Configuration management.
 ISO 15288 Systems Engineering—Systems Life Cycle Processes.
 ISO 17776 Oil and Gas Offshore Production Installations.
 ISO55000 Asset management. Overview, principles and terminology. ISBN: 978 0 580 86467 4.
 ISO55001 Asset management. Management systems—Requirements. ISBN: 978 0 580 75128 8.
 ISO55002 Asset management. Management systems—Guidelines for the application of ISO55001. ISBN: 978 0 580 86468 1.
 JAE1011. Reliability Centered Maintenance. Society of Automotive Engineers.
 MIL-STD-1388-2B. Integrated Logistic Support.
 SAE J 817-2 Maintainability Index;
 SAE JA1010 Maintainability Program;

Organizational abbreviations:

API = American Petroleum Institute.
 AS = Australian Standard.
 ATA = Air Transport Association.
 BS = British Standard.
 IEC = International Electrotechnical Commission.
 IEEE = Inst. Of Electrical and Electronic Engineers.
 ISO = International Standards Organization.
 JAE = Journal of the Society of Automotive Engineers.
 PAS = Publicly Available Specification.

Index

A

ABC analysis, 362
Acceptance, 83, 129, 130, 132, 141, 243, 293, 374, 379, 414, 420
Acquisition, 8, 21, 27, 30, 35, 62–64, 71–74, 79, 81, 82, 86–88, 102, 113, 121, 125, 127, 132, 134, 144, 146, 149, 150, 152, 155, 157, 158, 164, 175–180, 182, 188, 211, 263, 288, 294, 344, 374, 375, 443, 456, 457, 466, 470, 473
Acquisition cost, 90, 97, 98, 131, 150, 178, 286, 430–433, 435–439, 456, 457, 459, 466, 470, 473, 484, 485, 494
Acquisition strategy, 75, 81, 88, 90, 145, 179
Activity, 36, 43, 44, 113, 228, 230, 233, 243, 244, 247, 296, 319, 320, 337, 339, 340
Activity based cost–benefit, 243, 244, 247
Activity based costing, 243, 296, 337, 340
Alliance, 277
American Petroleum Institute, 251, 417, 418, 423, 425
Annualized
 cost, 467, 482
Annuity factor, 93, 100, 101, 450, 477, 479, 527
Approved development plan, 120
Assembly replacement, 231, 470
Asset
 life cycle, 7, 11, 12, 17, 19, 21, 33
 mine site, 162, 163, 508
 register, 34, 162, 174, 224, 226, 227, 232, 501
Asset basic care, 304, 305, 307, 312, 314
Asset development portfolio, 125
Asset group manager, 31
Asset management
 activities, 6, 28, 29, 32, 33, 34, 56, 497

 definition, 10, 11
 group, 29, 30
 information system, 162, 223
 knowledge, 31, 32
 plans, 36
 role, 7
 system, 11
Asset manager, 7, 14, 27, 28, 32, 44, 48, 53, 126, 161, 216, 252, 275, 279, 464, 484, 485, 491
Asset register, 34, 162, 174, 224, 226, 227, 232, 501, 522
Audit, 52, 269, 279, 388, 411, 497, 501, 519, 523
Authorities, 44, 50, 175, 251, 430, 455, 483, 490, 510
Availability, 3, 14, 44, 65, 80, 81, 90, 97, 101, 115, 118, 121, 130, 150, 170, 210, 217, 278, 294, 317, 327, 339, 357, 373, 375, 398–402, 407, 410, 448, 472, 500

B

Backlog, 161, 162, 168, 194, 196, 326, 328, 329, 336–348, 340, 348, 371, 463, 500
Backorder, 348, 371
Balance sheet, 7, 10, 81, 124, 210, 239, 364
Benefit
 non-financial, 116, 239, 240
Block diagram, 162, 164–166, 169, 170, 263
Book value, 162, 430–433, 437, 439, 440, 446, 465, 470, 485, 486
Bottleneck, 42, 118, 162, 167, 168, 170, 171, 207
Bottom up, 62, 64, 193, 202, 203
Breakeven analysis, 489

- Budget
 - monitoring, 335, 336
 - report, 336
 - time horizon, 193, 209
- Budget expenditure, 209, 230, 235
- Budgeting
 - zero-based, 326, 327, 339
- Build own operate transfer, 271, 281
- Buildings, 7, 8, 14, 20, 21, 94, 154, 169, 201, 225, 254, 337, 423, 429, 430, 439, 489, 499
- Bulls-eye chart, 139
- Business case, 13, 45, 85, 89, 94, 113–115, 117–120, 122, 124, 127, 157, 195
- Business development, 28, 31, 35, 41, 48, 61–63, 65, 67, 74, 82, 85, 120, 127, 137, 210
- Business development group, 28, 31, 41, 63, 67
- Business organization, 25
- Business plan, 11, 35, 48, 53, 56, 67, 69, 122, 193, 326, 327
- Business planning, 44, 56, 122
- Business strategy, 25, 40, 41, 194

- C**
- Cannibalization, 130, 357, 358
- Capability
 - continuity planning, 182
 - requirements planning, 66, 70, 210
- Capability gap, 32, 67, 71–73, 86, 115, 121
- Capability gap analysis, 32, 61, 67, 72, 86, 115, 121
- Capability requirements statement, 67, 72, 73, 78, 121, 126
- CAPEX, 8, 13, 35, 47, 123, 184, 192, 194, 197, 208, 209, 219, 220, 446
- Capital
 - transaction, 429, 439
- Capital budget
 - cycle, 213, 217
 - current year, 218
- Capital expenditure program, 210, 211
- Capital planning, 13, 207, 210, 212, 218
- Capital project portfolio, 207, 217
- Capital rationing, 184, 207, 213, 214, 219, 222
- Capital recovery factor, 93, 101
- Capital requirement, 177, 178, 181, 207, 212–214, 288, 294
- Cash cow, 17, 123
- Cash flow, 94, 96, 105
- Cash flow after tax, 437
- Cash flow diagram, 94, 96, 108, 437, 438, 443, 445, 459
- Cataloguing, 344, 345
- Challenger, 467–469
- Change control, 201
- Change management, 142, 143
- Chief asset manager, 27, 28, 40, 44, 48, 53, 188
- Code
 - activity, 230
 - trade, 228, 230
- Coding, 225, 228
- Commissioning, 139–141
- Commonality, 130, 131
- Common law, 254
- Communication, 7, 22, 54, 65, 94, 103, 106, 109, 318, 353, 397, 491
- Communications system, 103, 106, 109
- Company tax, 429, 433, 435–437, 460, 493
- Competence, 13, 45–47, 413, 525
- Competency, 45, 52, 308, 413, 525
- Component replacement, 192, 231, 319, 410, 476
- Condition, 11, 13, 19, 31, 36, 55, 118, 151, 168, 159, 387, 389–392, 476
- Condition monitoring, 34, 83, 189, 91, 240, 68, 303, 308, 318, 319, 329, 339, 376, 380, 389, 390–392, 396, 398, 402, 466, 476, 519, 523
- Condition monitoring effectiveness, 391
- Configuration management, 32, 34, 46, 49, 83, 187, 189, 194, 200, 201–204, 224, 293, 295, 296, 300, 501, 514, 522
- Consequence, 115, 190, 209, 249, 251, 257–259, 265, 269, 270, 360, 377, 381, 471, 472, 473, 475, 476
- Consignment, 356, 363
- Consolidated asset management plan, 187, 193, 195, 196, 211
- Contingency allowance, 76, 219, 249, 260, 261, 301, 337, 338
- Contingency plan, 47, 137, 141, 165, 249, 252, 260, 261, 267, 268–270, 360, 376, 400, 513
- Contingency planning, 47, 249, 260, 270, 400, 513
- Continuity planning, 13, 71, 174, 175, 176, 182–184, 188, 210
- Continuous improvement, 36, 62, 189, 202, 276, 278, 303, 308, 309, 310, 313, 315, 506, 510
- Contract, 14, 21, 30, 31, 41, 49, 50, 51, 52, 80, 82, 83, 88, 188, 128, 129, 131, 133,

136, 150, 151, 188, 189, 204, 254, 255,
260, 263, 270, 271, 273, 275–280, 288,
291, 294, 296, 297, 300, 367, 474

Contractor viewpoint, 271, 280, 295

Cost–benefit analysis, 35, 239, 241,
242–246, 248

Cost control, 275, 335

Cost driver, 337

Costing, 49, 74, 80, 87, 88, 131, 149, 151,
152, 155, 157, 158, 192, 224, 243, 275,
287, 289, 296, 321, 322, 334, 337, 338,
340, 455, 466, 467, 477, 484

Cost of failure, 119, 374, 400, 476

Criticality, 161, 162, 164–166, 169, 170,
194, 215, 216, 328, 345, 354, 359,
360, 383, 466

Current asset, 8, 9, 19, 20, 69, 213, 269,
363, 365

D

Danger sign, 328

Data administration, 229, 234

Date of decision, 75, 79, 83, 84, 87, 117, 148

Days supply
report, 361

Death spiral, 3, 17, 18, 22, 47, 64, 123, 464

Debt, 481, 492, 493

Decision criteria, 72, 121, 124

Decision support, 13

Deeper maintenance, 188, 189, 202, 288, 290,
297, 303, 319, 469

Defender, 467

Delegation, 64, 65, 210, 399

Demand
dependent, 349, 371
independent, 371
management, 69, 194

Deployed assets, 33, 41, 161, 187, 188,
190, 293

Depreciation
declining balance, 432, 433, 460
straight line, 336, 431, 432, 435, 439, 440,
446, 486, 492

Deprivation value, 486

Development plan, 13, 48, 61, 67, 72–75, 78,
81, 82, 114, 115, 120, 125, 128, 144,
145, 210

Development planning, 61–63, 65, 67–69,
76, 162

Development planning team, 61, 63, 67, 68

Devolution of authority, 209

Discounted cash flow, 93–95, 103, 105, 113,
441, 442, 449, 450, 455, 461, 487

Discount factor, 93–97, 103, 105, 263, 450,
452, 459, 478, 479

Disposal, 3, 8, 11, 12, 17, 21, 25, 26, 29, 33,
41, 71, 75, 79, 82, 83, 97, 129, 152,
154, 155, 173, 174, 178, 179, 181, 183,
185, 188, 190, 194, 195, 278, 285, 286,
296, 300, 301, 306, 329, 349, 432, 443,
477

Disposal portfolio, 125–127, 145

Document control, 52, 231

Downtime
cost of, 117, 118, 400, 407, 410

Drawings, 165, 200, 292, 322, 404, 424

Dues in, 343, 347, 348, 350, 355, 356, 361,
368, 370, 371

Dues out, 343, 347, 348, 350, 355, 356, 361,
368, 370, 371

Duty of care, 249, 253, 254

E

Economic life
analysis, 457, 460, 461

Effective life, 430–432, 435, 437, 439, 440,
446, 485, 486

Electricity transmission, 30, 31, 48, 155,
163, 214, 221, 227, 240, 288, 471,
473, 477, 499

Engineer, 7, 30, 167, 169, 205, 261, 318, 329

Engineering, 4, 7, 19, 20, 25, 28, 30, 31, 41,
44–46, 48–50, 56, 66, 72, 77, 81, 143,
152, 153, 155, 165, 190, 191, 205, 214,
242, 253, 262, 272, 286, 292, 293, 294,
322, 333, 347, 373, 392, 393, 397, 413,
416, 423, 424, 426

Engineering leaders, 50

Engineering roles, 50

Environmental, 7, 11, 13, 21, 36, 42, 62, 79,
86, 88, 116, 117, 130, 132, 151, 165,
213, 216, 217, 239, 240, 241, 257, 263,
287, 300, 313, 374, 388, 395, 465, 473,
476, 485, 524

Equipment
ageing, 470
risk–cost, 464

Equipment effectiveness, 500

Equipment replacement, 26, 120, 297, 309,
389, 396, 410, 455, 463, 464, 465, 466,
470

Equipment selection and trial, 132

Equity, 10, 481, 492, 493–496

Equivalent Annual Cost (EAC), 93, 94, 98,
100, 105, 152, 155, 158, 443–447, 449,
450, 452, 455, 458–462, 466, 467, 478

- Equivalent Annual Value (EAV), 98
 - Equivalent Unit Cost (EUC), 93, 101
 - Event tree, 422
 - Excel function
 - NPV, 97, 98
 - PMT, 99
 - IRR, 102, 103
 - PV, 451, 452
 - Executive summary, 115, 117, 136, 198, 520
 - Exercise
 - asset data setup, 232, 234
 - availability related to total time, 401, 402, 407, 410
 - bottling plant, 85, 90
 - capacity planning, 89
 - cost of downtime, 117, 118, 400, 407, 410
 - holiday resort, 40, 42, 511
 - level of repair analysis, 299, 301
 - logistic support analysis, 298, 299, 301
 - long river ferry, 219, 222
 - maintenance budgeting, 338, 340
 - Pacific Earth Moving Part 1, 55, 56
 - Pacific Earth Moving Part 2, 122, 124
 - Pacific Earth Moving Part 3, 144, 146
 - Pacific Earth Moving Part 5, 338, 341
 - Pacific Earth Moving Part 6, 410
 - plant criticality, 169, 170
 - racing cycle team, 299
 - regional health clinic, 245, 246
 - solar or diesel power, 449, 452
 - spend–limit, 478, 480
 - standby generator, 449, 450
 - transformer replacement, 477, 479
 - turbo–generator, 107, 111
 - vehicle fleet capacity, 183, 184
 - water pump replacement, 164
 - Expense, 8, 9, 72, 107, 131, 208, 231, 365, 366, 433, 434, 438, 440, 446, 449, 491
 - Expert team, 161, 167, 399, 519
 - Expiry, 87, 175–177, 182–184
 - Exponential smoothing, 353
- F**
- Failure
 - pattern, 377, 378, 381, 390, 473
 - rate, 374, 377, 380, 466, 472, 476, 477
 - reporting, 318, 523
 - Failure frequency, 231
 - Failure mode and effects analysis, 257, 262, 375, 383
 - Failure Reporting and Corrective Action System, 382, 523
 - Fault tree, 262, 263, 422
- Feasibility analysis, 32, 63, 73, 74, 79, 84, 86, 88–90, 114, 121, 127, 151
 - Financial
 - report, 224
 - Financial analysis, 6, 42, 46, 81, 90, 94, 107, 111, 195, 262, 449, 471, 492
 - Fitness for service, 165, 423
 - Five whys, 386
 - Fixed asset, 8–10, 19, 94, 208, 221, 363, 429, 433, 435, 437, 439, 440, 487
 - Fixed cost, 274, 282, 473, 488, 489, 490, 494
 - Fixed plant, 225, 293
 - Fleet, 13, 15, 32, 33, 118, 174, 178, 180, 183, 184, 187, 192, 200, 205, 214, 219, 224, 287, 289, 291, 295, 301, 327, 338, 349, 365, 407
 - FMEA, 257, 262, 375, 383, 410, 523
 - Forecast, 42, 48, 63, 70, 81, 84, 89, 117, 119, 120, 135, 136, 194, 231, 256, 338, 353, 401, 464, 469, 495
 - Forecasting, 46, 66, 68, 83, 84, 87, 231, 344, 352
 - FRACAS, 54, 377, 382, 384, 410, 523
 - Function, 80, 97, 99, 102, 109, 127, 130, 165, 167, 187, 225, 234, 265, 320, 332, 389, 394, 395, 488, 494, 521
 - Functional location, 225, 226, 228
 - Future value, 493, 474, 477, 484, 486
- G**
- Gap analysis, 32, 33, 72, 84, 115, 173, 178, 521
 - Gearing, 481, 492, 493
 - Goodwill, 7, 118, 119
- H**
- Hazard, 141, 251, 253, 257
 - Hazard analysis, 251, 257, 265
 - Hazard and Operability Analysis, 257
 - HAZOP, 257, 511
 - Health and safety, 17, 22, 66, 88, 142, 278, 506
 - Historical cost, 483
 - Housekeeping, 240, 307, 308, 312, 388
- I**
- Imbalance, 34, 274, 334
 - Implementation portfolio, 82, 83, 127, 144
 - Improvement coordinator, 311, 314, 519
 - Inflation, 483, 484, 491

Information system, 11, 26, 34, 35, 162, 190, 194, 196, 223, 229
 Initial spares purchas, 344
 In-service asse, 26, 127, 187, 375
 In service date, 78, 117, 136
 In-service need, 178–180
 In-service support, 25, 35, 41, 187, 188, 190
 Inspection, 165, 169, 257, 304, 308, 312, 321, 417
 Inspection effectiveness, 50, 307
 Insurance spare, 269, 359, 360, 364
 Integrated logistic support, 285, 291
 Integrated project team, 31, 40
 Interest rate, 94, 95, 100, 101, 106, 444, 454, 459, 460
 Internal rate of return (IRR), 81, 102, 103, 216, 496
 Introduction into service, 126, 139, 141, 285
 Inventory
 accounting for, 363
 system, 190
 Inventory management
 aim of, 344
 Investment criteria, 101, 280, 482
 ISO 55000, 5, 10, 191, 506, 519
 ISO 55001, 36, 191, 507, 518
 ISO 55002, 46, 507

J

Job
 planning, 63, 67, 76, 322
 priority, 54, 148, 194, 215, 312, 322, 326, 350, 499
 scoping, 312, 321, 323, 329

K

Kanban, 313, 349
 Key asset, 80, 161, 162
 Key performance indicator, 244, 497, 516, 523
 Kit, 142, 205, 231

L

Labour
 estimate, 330
 direct, 330, 331
 indirect, 332
 Layer of protection, 421
 Layout, 136, 228, 240, 263, 318, 423
 Lead time
 activity, 70, 78, 79, 87
 demand, 351, 354, 355, 359, 366, 367

Leadership, 48, 53, 54, 506, 509, 518, 520
 Leasing, 26, 34, 100, 128, 184, 433, 487, 488, 494
 Level of repair analysis, 35, 49, 285, 288, 289, 291, 299–301
 Level of service, 35, 37, 66, 67, 80, 115, 144, 145, 169, 277, 278, 374
 Liabilities, 3, 9, 10, 220, 262, 278
 Life cycl, 7, 11, 17, 19–21, 32, 33, 81, 97, 131, 150, 155, 189, 192, 443, 452, 457, 458, 466
 Life cycle asset management plan, 149, 151, 155, 157, 158, 192
 Life cycle cost, 81, 98, 132, 152, 155, 189, 444, 449, 457, 458, 467
 Life of type, 175, 182–184
 Likelihood, 250, 251, 258, 265, 269, 270, 384
 Linear asset, 471, 474, 475
 Loader, 97–100, 119, 140, 166, 442, 443–448
 Loan, 94, 99, 481, 488, 489, 492–495
 Location, 14, 131, 162, 195, 221, 225, 227, 230, 233, 287, 290, 327, 328, 347, 354, 423, 449
 Logistician, 49
 Logistic support
 plan, 83, 129, 133, 134, 136, 157, 188, 200, 292, 293
 Logistic support analysis, 49, 131, 151, 285, 287, 298, 299, 301, 317
 Lost opportunity cost, 243–244

M

Maintainability, 79, 88, 130, 132, 145, 373, 375, 399, 400, 402–407, 466, 523
 Maintenance
 basic, 303, 306–308, 314, 315, 402
 budget, 320, 326, 327, 338, 340, 490
 budgeting, 326
 effectiveness, 401
 load, 97, 98, 272
 manager, 50
 non-heroic, 304
 organization, 35
 planner, 51, 167
 regime, 151, 191, 403, 410
 routine, 18, 118, 153, 224, 277, 301, 308, 320
 scheduler, 51
 service, 153
 time constraint, 403, 405
 workload, 188, 326, 327
 work management, 320
 Maintenance cost, 32, 72, 75, 90, 100, 152, 231, 436, 438, 441, 449, 477, 500

- Maintenance plan, 51, 170, 322, 349, 371, 500
- Maintenance policy review, 397, 398
- Man–power utilization, 231
- Materials handling system, 106, 108, 109
- Materials requirements planning, 348–350, 355
- Matrix activity, 43, 44
- Maturity status, 82, 133
- MAX, 352, 355, 363
- Mean Time Between Failure (MTBF), 374, 399
- Mean Time to Repair (MTTR), 399, 400, 403
- MIN, 352
- Minimum Acceptable Rate of Return (MARR), 93, 104, 107, 108, 482, 496
- Mobile plant, 228, 407
- Moving average, 304

- N**
- Needs analysis, 66, 69, 121
- Needs and wants, 241
- Net present value, 96, 102, 106, 108, 114, 155, 184, 443
- Nominal dollar, 483
- Non–core activity, 272
- Non–current asset, 8, 20

- O**
- Off–the–shelf, 62, 81, 86, 130
- Open tender, 81, 131
- Operating cost, 12, 75, 81, 90, 116, 150, 153, 155, 247, 438, 446, 465, 472, 494
- Operating expense, 9, 131, 274, 433, 438, 446
- Operation, 79, 140, 153, 154, 422
- Operational concept, 61, 79, 80, 84
- Operational loss, 231, 328
- Operational readiness, 140, 141
- OPEX, 9, 13, 26, 34, 47, 123, 192, 193, 197, 203, 208, 209, 446
- Options, 7, 12, 21, 32, 61, 63, 69, 73, 79, 84–86, 88–90, 99, 114, 115, 120, 121, 123, 124, 149, 150, 158, 240–246, 259, 278, 289, 299, 301, 438, 442, 449, 456, 459, 470, 475, 482
- Original equipment manufacturer (OEM), 191, 296
- Outsource
 - what not to 2, 273
- Outsourcing
 - audit, 279
 - benefit, 274
 - contract, 277
 - cost, 275
 - risk, 278
- Overall equipment effectiveness, 500
- Overhead, 9, 244, 332
- Owner/operator model, 273

- P**
- P–F interval, 390, 391
- Pacific Earth Moving Part 4 CMMS, 233, 234
- Pareto analysis, 231, 383
- Part
 - catalogue, 292
 - explosion, 18, 344, 346, 423
- Payback period, 102, 106, 108
- Peak load, 272, 32, 107, 168, 272
- Performance based, 277, 279
- Performance indicator
 - maintenance, 500
- Performance recording, 308, 516
- Performance specification, 80
- Performance standard, 80, 130, 277
- Permit, 323, 415, 425
- Personnel, 52, 322
- Planners checklist, 325
- Planning assumption, 115
- Planning balance sheet, 239
- Planning horizon, 44, 66, 173, 482
- Planning period, 84, 192, 211
- Planning portfolio, 73, 82, 125, 126
- Planning schedule, 176
- Policy, 38, 397
- Portfolio management, 137
- Pre–feasibility analysis, 32, 126, 127
- Pre–plan gap, 89, 179
- Present value, 95, 96, 102, 106, 108, 155, 444, 463
- Preventive maintenance optimization, 397
- Price break, 356
- Procurement, 50, 80, 129
- Production
 - loss, 22, 63, 165, 166, 396
 - recoverable, 118
- Profit, 22, 32, 33, 81, 104, 216, 278, 364, 433
- Profitability index, 102, 104, 482
- Profit and loss, 210, 364, 384, 433
- Progress monitoring, 135
- Project
 - comparison, 102, 482
 - financial measure, 102, 105
 - initiation, 61
 - major, 31, 41, 63
 - management, 128, 137
 - maturity, 82, 133
 - milestone, 129
 - minor, 64

monitoring, 135
 portfolio, 137
 ranking, 217
 report, 135, 137
 team, 31, 127
 Project manager, 49, 50, 123, 128, 225, 261
 Public private partnership, 281
 Purchase planning, 180, 182

R

RACI chart, 134, 518
 Railway system, 417, 498
 Real rate of interest, 484, 492, 493
 Real term, 483, 484
 Redundancy, 36, 142, 165, 269, 375, 401, 404, 410
 Regulation, 13, 17, 21, 22, 72, 143, 240, 253, 254, 425, 465, 490, 491, 522
 Regulatory issue, 63, 188, 202
 Reliability
 improvement, 77, 213
 management, 376, 519
 Reliability centered maintenance, 34, 132, 392, 397
 Reliability centered procurement, 129
 Reliability improvement, 213, 329, 376
 Remaining life, 70, 175, 184, 214, 438, 469
 Reorder level, 351, 353, 354, 356, 360, 369
 Reorder quantity, 348, 350, 352, 363, 369, 372
 Repair part, 34, 153, 358, 364
 Repair pool, 118, 158, 289, 297, 357, 396, 410
 Repair/replace, 30, 35, 47, 189, 288, 297, 329, 441, 470
 Replacement
 planning, 48, 83, 231, 413, 463, 464
 Replacement age, 205, 456, 469, 478
 Replacement analysis, 189, 202, 455, 466
 Requirements portfolio, 67, 73, 83, 126, 144
 Resale, 431, 436, 444, 452, 477, 486
 Reserved stock, 356
 Resource requirement, 282, 383, 403, 409
 Response, 45, 54, 62, 69, 73, 79, 86, 88, 91, 120
 Responsibility, 28, 31, 44, 48, 50, 52, 142, 148, 231, 269, 276, 279, 312, 322, 488, 492, 494, 522
 Retirement schedule, 70, 176, 182, 183
 Return on Investment (ROI), 42, 104, 124, 207, 496
 Returned store, 357
 Revenue, 79, 81, 90, 96, 98, 105, 115, 116, 119, 212

Risk
 administrative, 256
 analysis, 6, 35, 251, 103, 116, 189, 251, 257, 261, 473, 501
 financial, 116, 256
 management, 17, 32, 35, 46, 189, 251, 253, 270, 414, 506, 511, 522
 matrix, 258
 mitigating, 259
 performance, 256
 rating, 252, 257, 265, 270
 register, 252, 259, 265, 270
 retirement of, 261
 solution, 116, 137, 255, 269
 sovereign, 255, 269, 270, 280
 supplier, 256
 technical, 189, 194, 210, 260, 466, 471
 treatment, 252, 265, 269, 270
 Risk analysis, 6, 30, 35, 103, 116, 189, 251, 257, 269, 276, 469, 473, 501
 Risk Based Inspection (RBI), 251, 257, 262, 417, 424
 Risk–cost, 262, 464, 471
 Roles, 48, 50, 52, 55, 115, 127, 190, 348, 466
 Rolling review, 211
 Root Cause Analysis (RCA), 47, 167, 223, 320, 339, 377, 384, 423, 516
 Rotable, 153, 188, 231, 277, 288, 291, 294, 297, 343, 357, 364, 396, 410

S

Safe operation, 416, 419, 422
 Safety, 413, 416–425, 465, 476, 500, 506
 Safety critical equipment, 416, 417, 419–421, 424, 425
 Safety integrity level, 422, 424
 Safety stock, 349, 354, 359, 372
 SAMP, 6, 38, 49, 191, 197, 508, 510, 519, 520
 Scope creep, 137
 Scope of work, 80, 116, 335
 Service level, 26, 193, 203, 279, 287, 329, 360, 372, 410
 Service loss, 117, 120
 Shelf life, 288, 354, 356
 Shortage cost, 359, 360, 372
 Silo, 366
 Sinking fund, 487, 492, 494
 Siting, 423
 Slow moving item, 350, 358, 359, 372
 Sole source, 88, 142
 Source and application of funds, 211, 212
 Sovereign risk, 255, 269, 280

- Spare part, 49, 153, 174, 224, 231, 285, 289, 294, 296, 302, 322, 343, 344, 347, 350, 357, 364, 371, 374, 396, 410, 433
 - Spares utilization, 231
 - Specification, 35, 66, 80, 129, 132, 137, 145, 154, 161, 192, 200, 275, 293, 374, 416, 424
 - Spend limit, 36, 214, 465, 469, 470, 478, 480
 - Spider diagram
 - cost benefit, 242–246, 248, 362
 - Stakeholder, 31, 44, 47, 54, 67, 74, 76–78, 117, 121, 136, 140, 143, 145, 197, 203, 244, 251, 506, 520
 - Status quo, 78, 117
 - Stock control, 13, 231, 352, 354, 355, 368
 - Stock Keeping Unit (SKU), 346
 - Stock level, 188, 347, 350, 351, 355, 361, 368
 - Stock turns, 362
 - Storekeeper, 357
 - Stranded asset, 491
 - Strategic asset management plan, 6, 38, 39, 48, 191, 519
 - Strategy, 25, 38, 40, 81, 84, 90, 114, 144, 179, 193, 524
 - Supplier
 - evaluation of, 131
 - Preferred, 131, 174, 179
 - Supplier viewpoint, 285
 - Support services, 11, 153, 154, 188, 191, 194, 197, 203, 286, 297
 - Survey and quote, 277, 335
- T**
- Tag, 416, 419
 - Take 5, 253
 - Target level, 352, 498, 525
 - Tax, 435–438, 446, 460
 - Tax credit, 429, 435, 436, 447, 460
 - Technical authority, 50, 143, 191
 - Technical service, 191, 318
 - Test and evaluation, 83, 122, 131, 288
 - Through life support, 49, 77, 133, 293, 294
 - Time and material, 277
 - Today's dollar, 483, 484
 - Tool box meeting, 54
 - Top down, 62, 193, 203
 - Total productive maintenance, 304, 305
 - Training, 141, 306, 415
 - Trial, 34, 68, 375, 432
 - Truck, 32, 72, 101, 173, 499
- U**
- Un–augmented, 67, 70, 71, 83, 84, 178, 179
 - Un–augmented capability, 67, 70, 71, 83
 - User pays, 242
- V**
- Valuation, 79, 81, 114, 122, 131, 221, 231, 240, 246, 264, 284, 285, 286, 506, 516
 - Valuation method, 486
 - Value analysis, 242
 - Value engineering, 72, 242
 - Value for money, 73
 - Value index, 486, 487
 - Value turn, 362, 363, 410
 - Variable cost, 274, 469, 474, 481, 489, 490, 492, 494
- W**
- Water supply system, 209, 249, 263, 264, 265, 484, 498
 - Weighted average cost of capital (WACC), 481, 490, 492, 493
 - Wearout, 269, 377–379, 380, 381, 409
 - Wine selection, 120, 121
 - With and without analysis, 482
 - Written down value, 430, 431, 436, 439, 446, 482, 490
 - Write down, 40, 42, 364, 365
- Y**
- Year of decision, 87, 89, 175, 176, 182–184
 - Year of expiry, 87, 175, 176, 182, 183, 184