Index

ACCOUNTING RECORDS

Design of effective records management program, sample records retention schedule, **App. 6B**

ACCURACY

Data production, 12:40

ACCURACY & ACCOUNTABILITY

Ethical, Professional & Legal Limitations. **26:17**

ACTIVE DATA SOURCES

Pretrial practice management, 13:20

ADMISSIBILITY OF EVIDENCE

Technology project plaaning & structures, **4:14**

Trial Practice Management, this index

AGGREGATION

Data processing, true visibility, 12:13

ALTERNATIVE DISPUTE RESOLUTION

Arbitration, this index Future matters, **32:6**

AMERICAN ARBITRATION ASSOCIATION

Generally, 20:7

ARBITRATION

Generally, **20:1-20:26**

American Arbitration Association, **20:7**

Chartered Institute of Arbitrators, **20:15**

College of Commercial Arbitrators, **20:16**

Cost-shifting, 20:24

Cyber warfare and cybersecurity, 30:24

Federal Arbitration Act, 20:5

ARBITRATION—Cont'd

Federal rules' impact on eDiscovery in arbitration, **20:17**

Financial Industry Regulatory Authority, Inc., **20:9**

Hold notices, 20:20

International Bar Association, 20:12

International Centre for Dispute Resolution, 20:8

International Chamber Of Commerce, **20:11**

International Institute for Conflict Prevention and Resolution, 20:14

Judicial Arbitration and Mediation Services, Inc., 20:10

Limitation on amount of data to be produced, **20:23**

London Court of International Arbitration, **20:13**

Other guidance for eDiscovery in arbitration, 20:18

Plan for eDiscovery, 20:19

Practical guidance for eDiscovery in arbitration, generally, **20:19- 20:25**

Protective orders and claw-backs, **20:22**

Restrictions on discovery in arbitrations, generally, **20:2-20:16**

Revised Uniform Arbitration Act, **20:6**

Sanctions, 20:25

Spoliation, 20:21

State rules' impact on eDiscovery in arbitration, **20:17**

Statutes, rules and guidelines, generally, **20:4-20:16**

Uniform Arbitration Act, 20:6

Written agreements, 20:3

ARTIFICIAL INTELLIGENCE (AI) SYSTEMS

Generally, 4:15

ARTIFICIAL INTELLIGENCE (AI) SYSTEMS—Cont'd

AI Tools, What is, **23:6-23:10 Generative Artificial Intellegence**(this index)

ASSESSMENTS

Litigation readiness, 9:6

ASSOCIATION OF CORPORATE COUNSEL VALUE CHALLENGE

Outside eDiscovery counsel and eDiscovery provider, **3:10**

ATTORNEY-CLIENT PRIVILEGE

Generally, 2:12, 5:1-5:13, 22:14

Accidental disclosure outside of litigation, waiver, **15:12**

Auditors, voluntary disclosure of privileged material to, **15:6**

Common interest privilege, **5:10**

Conclusion, 15:18

Control group test, 5:3

Disclosure of privileged material voluntary disclosure of privileged material, below

waiver, below

Exceptions, 5:9

Federal Rule of Evidence 502, **5:12** Federal Rules of Civil Procedure

26(b)(5) and (f), **5:11**

Former employees, communications with, **5:6**

Inadvertent disclosure in litigation, waiver, **15:10**

Insurance brokers, 15:7

International corporations, waiver, **15:13**

International law, 5:13

Limitation of scope of voluntary waiver, **15:10**

Mergers and acquisitions, 15:14

Prosecutors, voluntary disclosure of privileged material to, **15:5**

Regulators, voluntary disclosure of privileged material to, **15:5**

Selective waiver, 5:8

Subject matter test, 5:4

ATTORNEY-CLIENT PRIVILEGE —Cont'd

Upjohn Company v. United States, 5:5

Voluntary disclosure of privileged material

generally, 15:3-15:7

auditors, disclosure to, 15:6

corporate family member, 15:4

limitation of scope of voluntary waiver. **15:10**

PR consultants, 15:8

prosecutors and regulators, disclosure to, **15:5**

scope of voluntary waiver, 15:9, 15:10

Waiver

generally, 15:1-15:17

accidental disclosure outside of litigation, 15:12

inadvertent disclosure in litigation, 15:11

international corporations, **15:13** voluntary disclosure of privileged material, above

Work product doctrine, 2:12, 5:7

AUDITORS

Attorney-client privilege, voluntary disclosure of privileged material, **15:6**

AUTHENTICATION OF EVIDENCE

Trial practice management, 16:6

AUTHENTICITY ISSUES

Design of effective records management program, **6:21**

AUTOMATIC DISCLOSURE REQUIREMENTS

Ethics, this index

AUTOMATION

Predictive coding, quality control, 7:23

BACK-UP MEDIA/INFORMATION

Internal investigations, 8:10

BANKRUPTCY

Ethics, preservation of relevant documents of bankrupt company, 27:29

BATES-NUMBERING

Data processing, 12:21

BATES PRODUCTION

Data production, 12:41

BEST PRACTICES

Design of effective records management program, **6:6-6:15**

BIAS

AI operation, Functional Limitations, **26:11**

BIG DATA

Budgeting and cost control, **24:5** Predictive coding, **7:18**

BILLING

Ethics, outsourced work, **27:34**Outside eDiscovery counsel and eDiscovery provider, **3:7**

BOOLEAN SEARCHES

Predictive coding, 7:10

BRING YOUR OWN DEVICE (BYOD)

Generally, **29:1-29:21**Advance of mobile technology, **29:2**

Advantages, **29:3** Competence, **29:13**

COPE vs BYOD, 29:2

Cross-border discovery, 29:11

Disadvantages, 29:4

Engagement and vigilance, 29:18

Integration of mobile devices into existing policies and protocols, **29:15**

Location of stored data and how to access it. 29:17

Possession, custody or control, 29:6

Practical considerations, 29:19

Privacy

generally, **29:8-29:10** managing expectations, **29:9** statutes, **29:10**

BRING YOUR OWN DEVICE

(BYOD)—Cont'd

Relevant information likely to exist, **29:7**

Switches, know which switches to flip, **29:16**

BROWER EXPLOITS

Cyber warfare and cybersecurity, 30:12

BUDGETING AND COST CONTROL

Generally, 24:1-24:16

Big data, the cloud, and information governance, **24:5**

Budget considerations

generally, 24:9-24:13

collection, processing, data hosting storage costs, **24:12**

document review and production, 24:13

identification and preservation, **24:11**

Calculation of early data assessment and technology-assisted review costs, 24:16

Collection costs, budget considerations, **24:12**

Data hosting storage costs, budget considerations, **24:12**

Document review and production, budget considerations, 24:13

Evolving technologies and methodology, **24:7**

External factors, impact on cost

generally, 24:4-24:7

big data, the cloud, and information governance, **24:5**

evolving technologies and methodology, **24:7**

Federal Rules of Civil Procedure, amendments of 2015, **24:4**

global data privacy implications, **24:8**

legacy, proprietary and third-party systems, **24:6**

Federal Rules of Civil Procedure, amendments of 2015. **24:4**

BUDGETING AND COST CONTROL—Cont'd

Global data privacy implications, **24:8**

Identification, budget considerations, 24:11

Legacy systems, 24:6

Legal process outsourcing, use of, 24:15

Legal project management for eDiscovery, **24:2**

Litigation readiness playbook, development of, **24:14**

Outside eDiscovery counsel and eDiscovery provider, **3:7**

Preservation, budget considerations, **24:11**

Processing costs, budget considerations, **24:12**

Project management matrix and project management workflow, **24:3**

Proprietary systems, **24:6** Third-party systems, **24:6**

BYOD

Bring Your Own Device (BYOD), this index

BYPASSING CONTROLS

Cyber warfare and cybersecurity, 30:7

CANDOR

Ethical, professional & Legal Limitations, **26:16**

CAREMARK CASE

Corporate Governance, this index

CHAIN OF CUSTODY

Data collection, 12:10

Internal investigations, 8:13
Strategic litigation challenges in handling data, App. 12A
Technology basics, 4:14

CHAINS AND THREADS

Data processing, **12:17** E-mail. data review. **12:31**

CHARTERED INSTITUTE OF ARBITRATORS

Generally, 20:15

CLAW-BACK AND CLAW-BACK AGREEMENTS

Arbitration, 20:22

Ethics, accidental production of electronic information, 27:20

Inadvertent transmission of documents, endorsement of clawback and quick peek agreements, 14:2

CLOUD COMPUTING

Design of effective records management program, **6:23**Internal investigations, **8:12**

COLLABORATION

Outside eDiscovery counsel and eDiscovery provider, **3:9**

COLLEGE OF COMMERCIAL ARBITRATORS

Generally, 20:16

COMMERCIAL GENERAL LIABILITY INSURANCE

Crisis management, coverage for losses from cyber breach, 17:7

COMMON INTEREST PRIVILEGE

Attorney-client privilege, 5:10

COMPETENCE

Bring your own device (BYOD), **29:13**

Ethics, 27:3

COMPUTER INSPECTIONS

Pretrial practice management, motions to compel and protective orders, 13:29

CONCEPT SEARCHING

Data review, 12:32

CONFIDENTIAL INFORMATION

Attorney-Client Privilege, this index Electronic evidence, generally, **2:14** Ethical issues, **27:25**, **27:32**

CONFIDENTIALITY

Ethical, professional & Legal Limitations, **26:15**

CONFLICTS OF INTEREST

Ethics, outsourcing eDiscovery reviews, **27:33**

CONSENT OF CLIENT

Ethics, outsourcing eDiscovery reviews, **27:35**

CONTROL GROUP TEST

Attorney-client privilege, 5:3

COOPERATION

Generally, 1:3, 1:9

CORPORATE GOVERNANCE

Generally, 2:15, 19:1-19:9

Caremark case

generally, 19:4-19:7

collection and production, **19:7** legal compliance, **19:5-19:7**

preservation obligations, 19:6

standard, 19:4

Collection and production, Caremark case, 19:7

Directors' responsibilities, 19:2 et seq.

Evolving landscape, 19:8

Fiduciaries of corporation, responsibilities of directors as, 19:2

Legal compliance, Caremark case, 19:5-19:7

Preservation obligations, Caremark case, **19:6**

Supervisors of corporation, responsibilities of directors as, **19:3**, **19:4**

COSTS AND EXPENSES

Budgeting and Cost Control, this index

Federal litigation, expenses regarding ESI as costs in, 2:7

Shifting of costs. Cost-Shifting Strategies, this index

COST-SHIFTING STRATEGIES

Generally, 25:1-25:7

COST-SHIFTING STRATEGIES

—Cont'd

Additional bases for cost shfting, 25:5

Arbitration, 20:24

Good cause, 25:3

Metadiscovery, 25:4

New avenue of cost shfting, 25:7

Reasonable accessibility, 25:2

State court standards, 25:6

COUNSEL

Attorney-Client Privilege, this index

COURTROOM

Electronic information in courtroom, 1:5

COVID

Discovery orders and deadlines in time of COVID, **16:4**

COVID-19 PANDEMIC

Future of eDiscovery, 32:10

CRISIS MANAGEMENT

Generally, 17:1-17:9

Generally, 17:3

Assembly of crisis management team, **17:4**

Commercial general liability policy, coverage for losses from cyber breach, 17:7

Crisis management, 17:5

Cyber insurance policy as filling gaps and protecting organization from first-party losses and third-party losses arising from cyber breach, 17:8

Cyber security considerations, generally, **17:1-17:9**

Directors and officers policy, protection from claims arising from cyber breach, 17:9

Electronic data considerations, generally, **17:1-17:9**

Insurance, 17:7-17:9

Risk management, 17:6-17:9

Understanding computer systems, security and vulnerability, **17:2**

CROSS-BORDER DISCOVERY

Bring your own device (BYOD), **29:11**

CUSTODIAL INTERVIEWS

Pretrial practice management, **App.** 13B, 13:10

CUSTODIANS

Data collection, **12:8** Litigation readiness, **9:13**

CYBER WARFARE AND CYBERSECURITY

Generally, 30:1-30:25

Arbitration and mediation, 30:24-30:25

Brower exploits, 30:12

Bypassing controls, 30:7

Denial of service, 30:9

Group phishing, 30:10

International law, 30:19-30:21

Privilege abuse and insider threats, **30:6**

Prohibition on hack-backs, 30:22

Records management program, 6:24

Self-defense, 30:22

Social engineering, 30:5

Spear phishing, 30:11

Spyware, 30:16

Steps for securing companies against attacks, 30:23

Survey of hostilities, 30:4-30:18

Trojan horses, 30:14

Unpatched vulnerabilities, 30:8

Vendor/supply chain, 30:17

Viruses and worms, 30:13

Zero-day exploits, 30:15

DATA ANALYSIS

Data intelligence and analysis, 23:11-23:15

Data review, Generative AI, 26:7

DATA AUTHENTICATION

Strategic litigation challenges in handling data, **App. 12A**

DATABASES/PROPRIETARY SYSTEMS

Strategic litigation challenges in handling data, **12:49**

DATA COLLECTION

Generally, 12:2-12:12

Budget considerations, collection costs, 24:12

Chain of custody, 12:10

Collection of data, 12:5

Common questions, 12:11

Corporate governance, Caremark case, **19:7**

Custodians, collection by, 12:8

Data magnitude, 12:9

Efficiency in data collection, 12:6

Factors to consider when choosing between eDiscovery and forensic collection of data, 12:4

In-house collection of data, 12:7

Predictive Coding, this index

Pretrial practice management, 13:18, 13:19

Privacy and cyber-security, 6:24

Scope of collection effort, **12:12**

Types of data and costs of collection, 12:3

DATA FILE EXTENSIONS

Data review, 12:37

DATA HOSTING

Pretrial practice management, **13:21**Storage costs, budget considerations, **24:12**

DATA MAP

Technology Basics, this index

DATA PROCESSING

Generally, 12:13-12:26

Aggregation for true visibility, **12:13**

Bates-numbering capabilities, 12:21

Chains and threads, difference between, **12:17**

Duplicate identification methods, 12:18

Duplicates, sophisticated identification of, **12:15**

E-mail culling, 12:16

E-mail preparation, 12:22

Entity extraction and data mining, 12:19

Language challenges, 12:26

DATA PROCESSING—Cont'd

Litigation support packages, limitations on, 12:23

Metadata, 12:14

Taking out the garbage, 12:24 Thorough data processing, 12:20 Time zone challenges, 12:25

DATA PRODUCTION

Generally, 12:40-12:47

Complexities of data production, 12:43

Corporate governance, Caremark case, 19:7

Do-it-yourself production, problems with, **12:45**

Gap-free bates production, 12:41

Multiple production options, 12:44

Native file productions, **12:47**Production of right documents, **12:46**

Readability and fonts, 12:42

Speed, flexibility and accuracy, 12:40

DATA REMEDIATION

Information governance, 28:6, 28:7

DATA REVIEW

Generally, 12:27-12:39

Combination of electronic and hard copy, **12:30**

Concept searching and predictive coding, 12:32

Dark side of unprotected desk-side data review, 12:38

Data analysis, 26:7

Data file extensions, 12:37

Efficiency in review, 12:33

E-mail chains and threads, 12:31

Fast and thorough methods, 12:27

Indexing, **12:35**

Pretrial practice management, 13:21

Privilege and relevance, review for, 12:34

Reduction of search and review time, **12:29**

Safeguard data, 12:28

Search terms, 12:36

Time crunch, 12:38

DEFENSIBILITY

Defensible strategy, 23:20 artificial intelligence, 23:21 Validation, 23:19

DELETED DATA/DATA FRAGMENTS

Internal investigations, 8:11

DENIAL OF SERVICE

Cyber warfare and cybersecurity, **30:9**

DEPOSITIONS

Pretrial practice management, 13:25

DESIGN OF EFFECTIVE RECORDS MANAGEMENT PROGRAM

Generally, **6:1-6:26**

Accounting records, sample records retention schedule, **App. 6B**

Authenticity issues, 6:21

Best practices, **6:6-6:15**

Cloud computing, 6:23

Communication valuation, **6:25**

Data privacy and cyber-security, 6:24

Draft documents, 6:20

Email retention, 6:17

Finance records, sample records retention schedule, **App. 6B**

Goals of program, 6:3

Health and Safety, sample records retention schedule, **App. 6D**

Health and Safety records retention schedule, Sample, **App. 6D**

Health records, Sample records retention schedule, **App. 6D**

Issues to consider in the implementation, **6:19-6:26**

Legal records, sample records retention schedule, **App. 6C**

Lifecycle of records, understanding of, **6:5**

Litigation response plan, 6:16

Reasons to implement program, 6:4

Records management, defined, 6:2

Record storage options, 6:18

Sample records management policy, **App. 6A**

DESIGN OF EFFECTIVE RECORDS MANAGEMENT PROGRAM—Cont'd

Sample records retention schedule accounting and finance records, **App. 6B**

health and safety, **App. 6D** legal records, **App. 6C** Social media. **6:26**

DESTRUCTION OF DOCUMENTS

Ethics, this index

DIGITAL LANDFILL

Predictive coding, 7:3

DIRECTORS

Corporate governance, 19:2 et seq.

DIRECTORS AND OFFICERS INSURANCE

Crisis management, protection from claims arising from cyber breach. 17:9

DISCLOSURE

Attorney-Client Privilege, this index

DISCOVERY SANCTIONS

Trial practice management, 16:3

DOCUMENT RETENTION POLICIES AND PRESERVATION PLANS

Ethics, this index

DOCUMENT REVIEW AND PRODUCTION

Budget considerations, 24:13

DO-IT-YOURSELF PRODUCTION

Data production, 12:45

DRAFT DOCUMENTS

Briefs, 26:6

Contracts, 26:6

Correspondence, 26:6

Design of effective records management program, **6:20**Memoranda, **26:6**

DUAL PURPOSE COMMUNICATIONS

Attorney Client Privilege, 15:17

DUPLICATES

Data processing, sophisticated identification, 12:15

EDRM

Overview of effect on data pivacy and protection, 22:5-22:9

EFFICIENCY

Data collection, **12:6**Data review, **12:33**

ELECTRONIC DISCOVERY COMPLIANCE PROGRAMS

Generally, **18:1-18:6**

Creation of office of technology counsel, **18:3**, **18:4**, **App. 18C**

Four-phase work plan for rolling out office of technology counsel, **App. 18D**

Job description of chief technology council, **App. 18A**

Office of technology counsel, generally, **18:1-18:6**

Organizational chart for office of technology council, **App. 18B**

Resources for technology counsel, 18:6

Responsibilities of office of technology counsel, **18:2**

Sarbanes-Oxley Act, penalties for failure to comply, **18:5**

ELECTRONIC EVIDENCE, GENERALLY

Generally, 2:1-2:16

Attorney-client and work product privileges, **2:12**

Business and records management processes, 2:11

Corporate governance, 2:15

Expenses regarding ESI as costs in federal litigation, 2:7

Federal Rules of Civil Procedure, App. 2B, 2:5

Federal Rules of Evidence Rule 502, **2:6**

In-house counsel, impacts on, **2:10** International implications, **2:13** Predictive coding, **2:9**

Index-8

ELECTRONIC EVIDENCE.

GENERALLY—Cont'd Checklists—Cont'd Privacy and other confidentiality prior to litigation, 27:39 obligations, 2:14 Claw back agreements, accidental Rule 34, amendment of 1970, 2:2 production of electronic infor-Sedona Conference, 2:4 mation, 27:20, 27:21 Sedona principles, App. 2A Client confidences and secrets, preservation while outsourcing Spoliation of ESI, sanctions for, 2:8 eDiscovery reviews, 27:32 Zubulake decision, 2:3 Confidential information, client E-MAIL improperly obtaining, 27:25 Data processing, 12:16, 12:22 Conflicts of interest, outsourcing Data review, chains and threads, eDiscovery reviews, 27:33 12:31 Consent of client, outsourcing Design of effective records manageeDiscovery reviews, 27:35 ment program, 6:17 Contents of retention policy, 27:7 Pretrial practice management, 13:12 Destruction of documents. Wrongful **EMPLOYMENT LAW** withholding or destruction of documents. below, 27:12-27:17 Internal investigations, 8:15 Document retention policies and ETHICAL LIMITATIONS preservation plans Generative AI, 26:14 generally, 27:5-27:8 Improper use, Generative AI, 26:14 contents of retention policy, 27:7 **ETHICS** time for implementation plan, 27:8 Generally, 27:1-27:40 when is duty triggered, 27:6 Accidentally withheld documents, Management of ESI, 27:4 27:13 Metadata, accidental production of Accidental production of electronic electronic documents containinformation ing, 27:22, 27:23 generally, 14:7, 27:19-27:23 Outsourcing eDiscovery reviews claw back agreements, 27:20, generally, 27:30-28:35 billing for outsourced work, 27:34 metadata, electronic documents client confidences and secrets, containing, 27:22, 27:23 preservation of, 27:32 quick peek and claw back agreeconflicts of interest, avoidance of, ments, 27:21 27:33 Automatic disclosure requirements consent of client, 27:35 generally, 27:9-27:11 supervision of nonlawyers, 27:31 meet and confer, topics discussed Ownership of personal records of at, **27:10** employees on company computtime and content of data to be ers, 27:28 disclosed, 27:11 Bankrupt company, preservation of Personal records of employees on relevant documents of, 27:29 company computers Billing for outsourced work, 27:34 generally, 27:26-27:28 Checklists consequences of not adopting clear generally, 27:38-28:40 policy, 27:27 after commencement of litigation, ownership of personal records, 27:40 27:28

ETHICS—Cont'd

ETHICS—Cont'd

Purposely withheld documents, 27:14, 27:15

Quick peek and claw back agreements, accidental production of electronic information, 27:21

Reconstruction of wrongfully withheld documents. **27:15**

Safe harbor rule, wrongful withholding or destruction of documents, 27:18

Spoliation doctrine and sanctions, wrongful withholding or destruction of documents, 27:17

Supervision of nonlawyers, outsourcing eDiscovery reviews, **27:31**

Technical competence, 27:3

Time for implementation plan, 27:8

Triggering duty of document preservation, **27:6**

Web bugs, use of, 27:24

Web bugs used to gather information, **27:36**

Wrongful withholding or destruction of documents

generally, 27:12-27:17

accidentally withheld documents, **27:13**

purposely withheld documents, 27:14, 27:15

reconstruction of documents, 27:15

safe harbor rule, 27:18

spoliation doctrine and sanctions, **27:17**

EUROPEAN COMMISSION

Investigations, legal professional privilege, **21:9**

EVIDENCE

Admissibility of Evidence, this index Legal Holds and Preservation of Evidence, this index

Spoliation and Sanctions, this index

EXHIBITS

Trial Technology, this index

EXTERNAL FACTORS

Budgeting and Cost Control, this index

FEDERAL ARBITRATION ACT

Generally, 20:5

FEDERAL RULES OF CIVIL PROCEDURE

Generally, App. 2B, 2:5

Amendments of 2015, 1:2

Arbitration, federal and state rules' impact on eDiscovery in, **20:17**

Attorney-client privilege, 5:11

Budgeting and cost control, 24:4

Inadvertent transmission of documents, 14:4

International Aspects, this index Meet and Confer Obligations, this index

Pretrial practice management, **App. 13A**

FEDERAL RULES OF EVIDENCE

Generally, 2:6, 22:14

Attorney-client privilege, **5:12**Inadvertent transmission of documents, **14:2**, **14:3**, **14:5**

FIDUCIARIES

Corporate governance, responsibilities of directors, 19:2

FINANCE RECORDS

Design of effective records management program, sample records retention schedule, **App. 6B**

FINANCIAL INDUSTRY REGULATORY AUTHORITY, INC.

Arbitration, 20:9

FLEXIBILITY

Data production, 12:40

FONTS

Data production, 12:42

FORCING FUNCTION

Litigation readiness, 9:2

FORMER EMPLOYEES

Attorney-client privilege, communications with former employees, **5:6**

F-SCORES

Predictive coding, 7:19

FUTURE MATTERS

Generally, 32:1-32:10

Acceleration of complexity of laws, 32:2

Alternative dispute resolution, **32:6**Convergence of legal and technological needs for enhanced education, **32:4**

COVID-19 pandemic, 32:10

Government surveillance, 32:7

Legal operations, rise of, 32:8

Rapid development of technology solutions, 32:3

Settled case law and intertwining rules, **32:5**

Ten years and beyond, 32:9

GENERATIVE ARTIFICIAL INTELLIGENCE

Generally, 7:28, 26:1-26:25

AI operation, Functional Limitations, **26:9**

Capturing nuances, Functional limitations, **26:12**

Definition, 26:2

Dependency on supervision, 26:13

Excitement and caution, **26:24**

Generative AI work, **26:3**

Opportunities and challenges, 26:1

Promising role in law, 26:4

Risk assessment, 26:8

GLOBAL DATA PRIVACY

Budgeting and cost control, **24:8** Planning, **App. 24C**

GLOBAL DATA PRIVACY AND DATA PROTECTION

Impacts on ediscovery, 22:1 et seq.

GOOD CAUSE

Cost-shifting strategies, 25:3

GOVERNANCE

Corporate Governance, this index

GOVERNMENT SURVEILLANCE

Generally, 32:7

GRAPHICS

Trial technology, 31:15

GRAPHICS LIBRARY

Trial technology, 31:16

GROUP PHISHING

Cyber warfare and cybersecurity, 30:10

HEARSAY EVIDENCE

Trial practice management, 16:7

HISTORICAL DATA SOURCES

Pretrial practice management, 13:20

HOLDS AND HOLD NOTICES

Legal Holds and Preservation of Evidence, this index

HUMAN RESOURCES RECORDS

Sample records retention schedule, **App. 6E**

IDENTIFICATION

Budget considerations, 24:11

INACCESSIBLE DATA

Pretrial practice management, motions to compel and protective orders, 13:28

INADVERTENT TRANSMISSION OF DOCUMENTS

Generally, 14:1-14:7

Attorney-client privilege, waiver, **15:11**

Court interpretations of rules, 14:5

Endorsement of claw-back and quick peek agreements, 14:2

Ethics, this index

Federal Rule of Evidence 502, **14:2**, **14:3**, **14:5**

Federal Rules of Civil Procedure Rules 16 and 26, **14:4**

INADVERTENT WITHHOLDING OF DOCUMENTS

Ethics, 27:13

INDEXING

Data review, 12:35

ing to personal jurisdiction, 21:3

INTERNATIONAL BAR

ASSOCIATION

Arbitration, 20:12

INTERNAL INVESTIGATIONS INFORMATION GOVERNANCE Generally, 28:1-28:7 —Cont'd Budgeting and cost control, 24:5 Outsourcing, 8:12 Preservation of information, 8:13 Data remediation, 28:6, 28:7 Privacy, 8:16 Definition, 28:2 Sample board resolution authorizing Getting started, 28:5 retention of outside counsel to Types of projects, 28:4 conduct internal investigation, IN-HOUSE COUNSEL App. 8A Electronic evidence, generally, 2:10 Social media, 8:7 Staffing of investigation, 8:3, 8:4 INSURANCE Structured data/ERP systems, 8:8 Crisis management, 17:7-17:9 Structuring of investigation, 8:3 INTERNAL INVESTIGATIONS System and log information, 8:9 Generally, **8:1-8:22** User created content, 8:6 Analysis of electronically stored INTERNATIONAL ASPECTS information Generally, 21:1-21:9 generally, 8:18-8:21 Attorney-client privilege, 5:13, 15:10 content analysis, 8:19 Electronic evidence, generally, 2:13 forensic analysis, 8:20 European Commission investigations, network intrusion events, 8:21 legal professional privilege, Back-up media/information, 8:10 21:9 Chain of custody, 8:13 Federal Rule of Civil Procedure 26(b), international jurisdiction Cloud computing, 8:12 limitations on scope of Content analysis of electronically discovery under, 21:5 stored information, 8:19 Federal Rule of Civil Procedure 16 Data universe available for investigamanagement of ESI discovery, 21:4 generally, 8:5-8:11 Federal Rule of Civil Procedure 37 back-up media/information, 8:10 sanctions avoidance, 21:7 deleted data/data fragments, 8:11 Federal Rules of Civil Procedure 34 social media, 8:7 and 45, control and information structured data/ERP systems, 8:8 in possession of another entity, system and log information, 8:9 21:6 Foreign compulsion comprising user created content, 8:6 blocking statutes, data protec-Deleted data/data fragments, 8:11 tion, confidentiality laws and Employment law, 8:15 foreign executive privilege and Forensic analysis of electronically state interests, 21:8 stored information, 8:20 Internal investigations, 8:17 International matters, 8:17 Pretrial practice management, 13:30 Limits on investigative authority U.S. court control of international generally, 8:14-8:17 discovery practice, 21:2 employment law, 8:15 U.S. discovery sanctions against foreign defendants not consentinternational matters, 8:17

privacy, **8:16**

tion, 8:21

Network intrusion events, analysis of

electronically stored informa-

INTERNATIONAL CENTRE FOR DISPUTE RESOLUTION

Arbitration, 20:8

INTERNATIONAL CHAMBER OF COMMERCE

Arbitration, 20:11

INTERNATIONAL INSTITUTE FOR CONFLICT PREVENTION AND RESOLUTION

Arbitration, 20:14

INTERNATIONAL LAW

Cyber warfare and cybersecurity, 30:18-30:20

INTERROGATORIES

Pretrial practice management, 13:24

INVESTIGATIONS

Internal Investigations, this index

ISSUE MAPPING

Litigation readiness, 9:10

JUDICIAL ACCEPTANCE

Machine learning, 7:34

JUDICIAL ARBITRATION AND MEDIATION SERVICES, INC.

Generally, 20:10

JURISDICTION

Federal Rule of Civil Procedure 26(b), international jurisdiction limitations on scope of discovery under, **21:5**

K-FOLD CROSS-VALIDATION

Predictive coding, 7:24

KNOWLEDGE GAPS

AI operation, Functional Limitations, **26:10**

KNOWLEDGE OF CLIENT

Generally, 1:4

LAWYERS

Attorney-Client Privilege, this index

LEGACY DATA CLEANUP

Predictive coding, 7:26

LEGACY SYSTEMS

Budgeting and cost control, 24:6

LEGAL HOLDS AND PRESERVATION OF EVIDENCE

Generally, 10:1-10:11, 22:11

Acknowledgement of notice, **10:8**

Adverse inference instruction as sanction, **10:18**

sanction, 10:18

Arbitration, 20:20

Attorneys' fees as sanction, 10:17

Automated legal holds, 10:14

Compliance with document retention policy, **10:6**

Court's inherent power to award santions, 10:25

Discoverability of legal hold notices, 10:13

Duty to preserve, 10:3

Evidence preclusion as sanction, 10:17

Failure to preserve, 10:15 et seq.

Internet of Things, failure to preserve ESI from, 10:24

Monitoring compliance with hold notice. **10:9**

Non-ESI, failure to preserve, 10:26

Pretrial practice management, App. 13C, App. 13F, App. 13G, 13:15

Proportionality, scope of hold notice,

Reasonableness, scope of hold notice, **10:7**

Reminders, 10:10

Sanctions, failure to preserve, 10:15 et seq.

Scope of hold notice, 10:7

Spoliation, failure to preserve, **10:15**, **10:16**

Text messages, failure to preserve, 10:23

Third-party hold notices, **10:12** Trigger, **10:4**

LEGAL LIMITATIONS

Improper use, Generative AI, 26:14

LEGAL RECORDS

Design of effective records management program, sample records retention schedule, **App. 6C**

LEGAL RESEARCH

Summarizing and synthesizing law, **26:5**

LEGAL WORKFLOWS

Developments, 26:23 Policy making, 26:24 Practices, 26:19 Selecting the tools, 26:20 Training, 26:21 Users, Training, 26:22

LIFECYCLE OF RECORDS

Design of effective records management program, **6:5**

LITIGATION READINESS

Generally, **9:1-9:16**

Assessments of litigation readiness, **9:6**

Custodians, 9:13

Documentation of issues and arguments in matter, **9:11**

Forcing function, 9:2

Foundational elements, 9:5-9:7

Gateway to information governance, 9:3

Identification as foundation for preservation and collection, **9:15**

Issue mapping, 9:10

Leading indicators of information governance gaps, **9:4**

Necessity, 9:1

Next frontier, 9:16

Outlining of record types, 9:12

Plans for litigation response, 9:7

Repositories, 9:13

Scope of electronically stored information in litigation

generally, 9:8-9:14

custodians and repositories, 9:13

documentation of issues and arguments in matter, **9:11**

guiding principle, 9:9

issue mapping, 9:10

LITIGATION READINESS—Cont'd

Scope of electronically stored information in litigation—Cont'd outlining of record types, 9:12 system of record, 9:14

System of record, 9:14

LITIGATION RESPONSE PRACTICE

Technology basics, establishment, **4:12**

LITIGATION SUPPORT PACKAGES

Data processing, 12:23

LOCAL RULES

Pretrial practice management, 13:7

LONDON COURT OF INTERNATIONAL ARBITRATION

Generally, 20:13

MACHINE LEARNING

Application of predictive coding, **7:37**

Artificial intelligence, Generative, **7:28**

Generative AI opportunities, 7:38

Judicial acceptance, 7:34

Predictive coding, 7:15, 7:17

Sampling opportunities, **7:38**

TAR methods, Search filter, 7:36 Validation and transparency, 7:35

MANAGER JOB DESCRIPTION

Sample records, App. 6H

MARKETING RECORDS

Health and Safety, Sample records retention schedule, **App. 6D**

MEET AND CONFER OBLIGATIONS

Generally, 11:1-11:6

Checklist, App. 11A

Conduct of Federal Rule of Civil Procedure 26(f) conference, 11:5

Coordination between counsel and client, 11:4

Evolution of Federal Rule of Civil Procedure 26(f), 11:2

MEET AND CONFER OBLIGATIONS—Cont'd

Local rules expanding reach of Federal Rule of Civil Procedure 26(f). 11:3

Strategic implications of obligations, **11:6**

MERGERS AND ACQUISITIONS

Attorney-client privilege, **15:14** Privilege & communications, **15:15**

METADATA

Data processing, 12:14

Ethics, accidental production of electronic documents containing, 27:22, 27:23

METADISCOVERY

Cost-shifting strategies, 25:4

MISTAKEN TRANSMISSION OF DOCUMENTS

Inadvertent Transmission of Documents, this index

MONITORING

Employee emails, Privilege, 15:16

MOTIONS TO COMPEL

Pretrial Practice Management, this index

NATIVE FILE PRODUCTIONS

Data production, 12:47

NATURAL LANGUAGE PROCESSING (NLP)

Predictive coding, 7:15, 7:17

NECESSITY

Litigation readiness, 9:1

NETWORK INTRUSION EVENTS

Internal investigations, analysis of electronically stored information, 8:21

OBJECTIONS

Technology planning & structures, 4:13

OFFICE OF TECHNOLOGY COUNSEL

Electronic Discovery Compliance Programs, this index

ORIGINAL WRITING RULE

Trial practice management, 16:8

OUTSIDE EDISCOVERY COUNSEL AND EDISCOVERY PROVIDER

Generally, 3:1-3:10

Association of Corporate Counsel Value Challenge, **3:10**

Billing and budgeting, 3:7

Collaboration, 3:9

EDiscovery team, 3:5

Information security and governance, 3:8

Qualifications of counsel, 3:2

Qualifications of providers and consultants, 3:3

Selection processes, 3:4

Service levels, 3:6

OUTSOURCING

Document review. Outsourcing litigation document review, this index

Ethics, this index

Internal investigations, 8:12

Legal process outsourcing, budgeting and cost control, **24:15**

OUTSOURCING LITIGATION DOCUMENT REVIEW

Generally, 23:1-23:21

Advocacy support, 23:16-23:18

Market developments overview, 23:1

OWNERSHIP

Ethical, prefessional & Legal Limitations, **26:18**

PENALTIES

Sanctions, this index

PERSONAL RECORDS OF EMPLOYEES ON COMPANY COMPUTERS

Ethics, this index

PREDICTIVE CODING—Cont'd PLANNING FOR DISCOVERY Record retention policies and data Generally, 1:3 collection—Cont'd **PRECISION** historical perspectives in data col-Predictive coding, 7:19 lection, 7:8 methods of retention, 7:4 PREDICTIVE CODING streamlining retention policies to Generally, 2:9, 7:1-7:29 allow classification, 7:6 Application of predictive coding to traditional and modern retention actual eDiscovery circumpolicies, 7:5 stances, 7:28 Regular expressions, 7:14 Automation of quality control, 7:23 Semantic search, 7:12 Big data influences on predictive Simple random sampling, 7:21 analytics, 7:18 Statistical sampling, 7:20 Boolean search and creating queries, Stratified sampling, 7:22 Streamlining retention policies to Data collection. Record retention allow classification, 7:6 policies and data collection, Traditional and modern retention below policies, 7:5 Data review. 12:32 Types of tools used for classification, Digital landfill, concept of, 7:3 generally, **7:9-7:18** EDiscovery, 7:27-7:28 University data disposition policy, Fields, searching of, 7:11 7:30 F-Scores, 7:19 Use cases, **7:26-7:27** Judicial acceptance, eDiscovery, 7:29 Verification of presence of high risk/ K-fold cross-validation, 7:24 high value information, 7:30 Legacy data cleanup, 7:26 PREDICTIVE CODING AND Leveraging power of artificial intel-AUGMENTED OR ligence, 7:2 ARTIFICIAL INTELLEGENCE Machine learning, 7:15, 7:17 Pretrial practice management, 13:17 Measuring quality of process generally, 7:19-7:24 **PRESENTATION** automation of quality control, 7:23 Trial technology, 31:1 et seq. F-Scores, 7:19 PRESERVATION OF K-fold cross-validation, 7:24 INFORMATION precision and recall, 7:19 Budget considerations, 24:11 simple random sampling, 7:21 Corporate governance, Caremark statistical sampling, 7:20 case, 19:6 stratified sampling, 7:22 Internal investigations, 8:13 Natural language processing (NLP), Legal Holds and Preservation of Evi-7:15, 7:17 dence, this index Precision and recall, 7:19 Predictive analytics, 7:13 PRETRIAL PRACTICE Record retention policies and data **MANAGEMENT** collection Generally, 13:1-13:30 generally, 7:4-7:8 Computer inspections, motions to further implementation compel and protective orders,

13:29

considerations, 7:7

PRETRIAL PRACTICE	PRETRIAL PRACTICE
MANAGEMENT—Cont'd	MANAGEMENT—Cont'd
Custodial interviews, App. 13B , 13:10	Predictive coding and augmented or artificial intellegence, 13:17
Data collection and hosting plan, establishment of, 13:18	Preservation vs. collection/ production, 13:4
Data collection as preservation, 13:19 Data hosting and review, 13:21	Protective orders. Motions to compel and protective orders, above
Discovery mechanisms generally, 13:22-12:26	RFP for electronic discovery hosting vendor, App. 13E
definitions and instructions, 13:23	Rule 30: depositions, 13:25
Rule 30: depositions, 13:25	Rule 33: interrogatories, 13:24
Rule 33: interrogatories, 13:24	Rule 34(a)(1): requests for produc-
Rule 34(a)(1): requests for produc-	tion, 13:26
tion, 13:26	Sanctions, analytical framework for, 13:5
Document retention policies, 13:8 Electronically stored information,	Separated employees, 13:13
13:3	Strategies for compliance, generally, 13:6-13:21
E-mail and personal computers, 13:12	Sunshine letters, App. 13D, 13:16
Establishment of data collection and	Third-party vendors, 13:14
hosting plan, 13:18	PRIVACY
Establishment of preservation plan	1111,1101
generally, 13:9-13:13	Bring Your Own Device (BYOD), this index
custodial interviews, App. 13B,	Electronic evidence, generally, 2:14
13:10 e-mail and personal computers,	Global data privacy and cost implica- tions, 24:8
13:12	Internal investigations, 8:16
IT interviews, 13:11	Records management program, 6:24
separated employees, 13:13 Federal Rules of Civil Procedure,	Specific EDiscovery Challenges, this index
amendment of 2006, App. 13A	
Historical data sources vs. active data	PRIVILEGE
sources, 13:20	Attorney-Client Privilege, this index
Inaccessible data, motions to compel and protective orders, 13:28	Cyber warfare and cybersecurity, 30:6
International considerations, 13:30	Data review, 12:34
IT interviews, 13:11	PRO-ACTIVE APPROACH
Litigation hold letters, App. 13F, App. 13G	Generally, 1:8
Litigation holds, App. 13C, 13:15	PROCESSING COSTS
Local rules, 13:7	Budget considerations, 24:12
Motions to compel and protective orders	PROFESSIONAL LIMITATIONS
generally, 13:27-13:29	Improper use, Generative AI, 26:14
computer inspections, 13:29	PROHIBITION ON HACK-BACKS
inaccessible data, 13:28	
Practical issues, 13:2	Cyber warfare and cybersecurity, 30:22

PROJECT MANAGEMENT

Budgeting and cost control, **24:3** Trial technology, **31:7**

PROPORTIONALITY

Hold notice, scope of, 10:7

PROPRIETARY SYSTEMS

Budgeting and cost control, 24:6

PROSECUTORS

Attorney-client privilege, voluntary disclosure of privileged material, **15:5**

PROTECTIVE ORDERS

Arbitration, 20:22

Pretrial Practice Management, this index

PURPOSELY WITHHELD DOCUMENTS

Ethics, 27:14, 27:15

QUICK PEEK AGREEMENTS

Ethics, accidental production of electronic information, 27:21

Inadvertent transmission of documents, endorsement of clawback and quick peek agreements, 14:2, 14:5

READABILITY

Data production, 12:42

REASONABLENESS

Hold notice, scope of, 10:7

RECALL

Predictive coding, 7:19

RECONSTRUCTION

Ethics, wrongfully withheld documents, **27:15**

RECORD LOCATION MANAGER (RLM)

Technology project planning & structures, **4:10**

RECORD RETENTION

Predictive Coding, this index

REGULAR EXPRESSIONS

Predictive coding, 7:14

REGULATORS

Attorney-client privilege, voluntary disclosure of privileged material, 15:5

REMOTE WORKING

Ethics, 27:37

REPOSITORIES

Litigation readiness, 9:13

REQUESTS FOR PRODUCTION

Pretrial practice management, 13:26

REVISED UNIFORM ARBITRATION ACT

Generally, 20:6

RISK ASSESSMENT

Generative AI opportunities, 26:8

RISK MANAGEMENT

Crisis management, 17:6-17:9

SAFE HARBOR RULE

Ethics, wrongful withholding or destruction of documents, **27:18**

SALES RECORDS

Marketing, Sample records retention schedule, **App. 6F**

SAMPLE ORGANIZATION CHART

Sample Records, App. 6G

SAMPLE RECORDS

Manager Job Description, App. 6H

SAMPLING OPPORTUNITIES

Machine learning, 7:38

SANCTIONS

Arbitration, 20:25

International aspects, Federal Rule of Civil Procedure 37 sanctions avoidance, **21:7**

Preservation of evidence, failure regarding, **10:15 et seq.**

Pretrial practice management, **13:5** Spoliation and Sanctions, this index

Index-18

SARBANES-OXLEY ACT

Electronic discovery compliance programs, penalties for failure to comply, **18:5**

SEARCH TERMS

Data review, 12:36

SEDONA CONFERENCE

Generally, **2:4** Glossary, **App. A:2**

SELECTIVE WAIVER

Attorney-client privilege, 5:8

SELF-DEFENSE

Cyber warfare and cybersecurity, 30:22

SEMANTIC SEARCH

Predictive coding, 7:12

SEPARATED EMPLOYEES

Pretrial practice management, 13:13

SERVICE LEVELS

Outside eDiscovery counsel and eDiscovery provider, **3:6**

SIMPLE RANDOM SAMPLING

Predictive coding, 7:21

SOCIAL ENGINEERING

Cyber warfare and cybersecurity, **30:5**

SOCIAL MEDIA

Design of effective records management program, **6:26**Internal investigations, **8:7**

Strategic litigation challenges in handling data, 12:48

SPEAR PHISHING

Cyber warfare and cybersecurity, **30:11**

SPECIFIC EDISCOVERY CHALLENGES

Federal requirements regarding retention of records, **App. 22A**

SPEED

Data production, 12:40

SPOLIATION AND SANCTIONS

Generally, **2:8** Arbitration, **20:21**

Ethics, wrongful withholding or destruction of documents, **27:17** Preservation of evidence, failure regarding, **10:15** et seq.

SPYWARE

Cyber warfare and cybersecurity, 30:16

STAFFING

Internal investigations, 8:3, 8:4

STATE EDISCOVERY RULES

Quick reference chart, App. 26A

STATISTICAL SAMPLING

Independent stratified sample validations, **7:25**

Predictive coding, 7:20

STEPS FOR SECURING COMPANIES AGAINST ATTACKS

Cyber warfare and cybersecurity, **30:23**

STRATEGIC LITIGATION CHALLENGES IN HANDLING DATA

Generally, 12:1-12:49

Data authentication and chain of custody example form, **App.** 12A

Databases/proprietary systems, special challenges with, **12:49**

Data Collection, this index

Data Processing, this index

Data Review, this index

Social media, special challenges with, 12:48

STRATIFIED SAMPLING

Predictive coding, 7:22

STRUCTURED DATA/ERP SYSTEMS

Internal investigations, 8:8

SUBJECT MATTER TEST

Attorney-client privilege, 5:4

SUNSHINE LETTERS

Pretrial practice management, **App.** 13D, 13:16

SUPERVISORS

Corporate governance, responsibilities of directors, **19:3**, **19:4**

SURVEY OF HOSTILITIES

Cyber warfare and cybersecurity, 30:4-30:18

SWITCHES

Bring your own device (BYOD), know which switches to flip, 29:16

SYSTEM AND LOG INFORMATION

Internal investigations, 8:9

TECHNOLOGY ASSISTED REVIEW

Generally, 23:2-23:5

TECHNOLOGY BASICS

Data map
creation, App. 4C
sample elements, App. 4B
Information being generated, App.
4A
Trial Technology, this index

TECHNOLOGY PROJECT PLANNING

Generally, 4:1-4:15
Admissibility of evidence, 4:14
Advance discovery response planning, 4:11
Artificial intelligence (AI) systems, 4:15
Chain of custody, 4:14
Classification of ESI, 4:4
Education of response team, 4:8
Forming of response team, 4:10
Identification of ESI, 4:3

Identification of ESI, **4:3**Litigation response practice, establishment of, **4:12**Location of ESI, **4:5**Objections, preparation for, **4:13**Organization of ESI, **4:7**

Planning to produce ESI, 4:12

TECHNOLOGY PROJECT PLANNING—Cont'd

Preparation for timely response, **4:9**Preparation of objectives, **4:2-4:8**Record Location Manager (RLM), choice of, **4:10**Selection of ESI. **4:6**

THIRD-PARTY HOLD NOTICES

Generally, 10:12

THIRD-PARTY SYSTEMS

Budgeting and cost control, 24:6

THIRD-PARTY VENDORS

Pretrial practice management, 13:14

THREADS

Chains and Threads, this index

TIME

Discovery orders and deadlines in time of COVID, **16:4** Ethics, implementation plan, **27:8**

TIME CRUNCH

Data review, 12:38

TIME ZONES

Data processing, 12:25

TRIAL PRACTICE MANAGEMENT

Generally, **16:1-16:9**Admissibility of evidence at trial generally, **16:5-16:9**authentication, **16:6**hearsay, **16:7**original writing rule, **16:8**specific evidence types, **16:9**

Authentication of evidence, **16:6**

Discovery orders and deadlines in time of COVID, **16:4**

Discovery sanctions, 16:3

Hearsay evidence, 16:7

Mandatory disclosures, 16:2

Original writing rule, admissibility of evidence at trial, **16:8**

TRIAL TECHNOLOGY

Graphics, 31:15

TRIAL TECHNOLOGY & GRAPHICS

Generally, 31:1-31:14

Choosing a virtual platform, 31:13

Corporate expectations, 31:2

Courtroom visit, 31:9

Exhibit database, 31:6

Exhibit-sharing software vs. trial presentation software, **31:4**

Exhibit workflow, 31:8

Legal technology obligations, 31:3

Local vs. cloud-based data, 31:5

Neutral equipment rental vendor,

31:11

Presentation, 31:1 et seq.

Project management, 31:7

Trial equipment and software, 31:10

Virtual platforms, Court-directed, 31:14

Virtual proceedings, 31:12

TRIGGER

Legal holds and preservation of evidence, **10:4**

TROJAN HORSES

Cyber warfare and cybersecurity, 30:14

UNIFORM ARBITRATION ACT

Generally, 20:6

UNIVERSITY DATA DISPOSITION POLICY

Predictive coding, 7:30

UNPATCHED VULNERABILITIES

Cyber warfare and cybersecurity, 30:8

USER CREATED CONTENT

Internal investigations, 8:6

VALIDATION AND TRANSPARENCY

Machine learning, **7:35**

VIRTUAL PLATFORMS

Trial technology & graphics, 31:14

VIRUSES AND WORMS

Cyber warfare and cybersecurity, 30:13

WAIVER

Attorney-Client Privilege, this index

WEB BUGS

Ethical issues, 27:24

Ethics, counsel's use of web bugs to gather information, **27:36**

WORKING REMOTELY

Ethics, 27:37

WORK PRODUCT DOCTRINE

Generally, 2:12, 5:7

WRITTEN AGREEMENTS

Arbitration, 20:3

WRONGFUL WITHHOLDING OF DOCUMENTS

Ethics, this index

ZERO-DAY EXPLOITS

Cyber warfare and cybersecurity, 30:15