

Aspects Identification
Manual p186

Risk Assessment
Manual p188

Auditing
Manual p193-204

- Environmental Auditing - Manual p193
- Environmental Audit Goals - Manual p195
- EMS Internal Audit - Manual p195
- EMS Certification Audit - Manual p197
- Duty of Care Auditing - Manual p198
- Preliminary Environmental Review (PER) - Manual p198
- Legal Compliance Audit - Manual p200
- Supply Chain Audit - Manual p201
- Waste Reviews - Manual p202
- Energy Audits - Manual p203
- Contaminated Land Assessments - Manual p203
- Due Diligence / Pre-Acquisition Audits - Manual p204

Environmental Management Systems (EMS)
Manual p205-215

ISO 14001
(resource document in green folder)

ISO 14004
(resource document in green folder)

EMAS
http://ec.europa.eu/environment/emas/index_en.htm
Resources > Standards > EMAS Brochure 3x3 Good Reasons for EMAS
Manual p206

BS 8555 / ISO 14005

Acorn
http://ems.iema.net/acorn_scheme
Manual p215

Resource Efficiency Survey
Manual p215-216

Environmental Footprinting
Manual p216-217
Resources > Reports > WWF Living Planet Report 2016

Impact Assessments
EIA - Environmental Impact Assessment - Manual p217
SEA - Strategic Environmental Assessment - Manual p219
Ecological Impact Assessment - EcIA
Resources > Guides > CIEEM Guidelines for Ecological Impact Assessment EcIA 2015

Life Cycle Assessment and Eco Design
Manual p220-228

Environmental Management Plans (EMP)
"a site-specific plan developed to ensure that all necessary measures are identified and implemented in order to protect the environment and comply with environmental legislation"

Corporate Reporting
Manual p322

Global Reporting Initiative (GRI)
Manual p324
Green folder GRI documents

Corporate Social Responsibility (CSR) Reporting
Manual p325

Socio-Economics
<https://en.wikipedia.org/wiki/Socioeconomics>

Health Impact Assessment
<http://www.who.int/hia/en/>

Social Impact Assessment
https://en.wikipedia.org/wiki/Social_impact_assessment

Human Rights
https://en.wikipedia.org/wiki/Human_rights

Eco Health Relationships
https://enviroatlas.epa.gov/enviroatlas/Tools/EcoHealth_RelationshipBrowser/index.html

Stakeholder Engagement
Manual p316
Resources > Guides > Julie's Bicycle Practical Guide - Communicating Sustainability 2015
Resources > Guides > Team Engagement 2016

Auditing (labour, human rights)
<http://www.shiftproject.org/resources/publications/audit-to-innovation-advancing-human-rights-global-supply-chains/>
<http://www.shiftproject.org/resources/collaborations/human-rights-reporting-assurance-frameworks-initiative/>
<https://business-humanrights.org/en/business-and-human-rights-reporting-and-assurance-frameworks-initiative-rafi>
<http://www.ungpreporting.org/>
<http://www.ungpreporting.org/reporting-framework/>
Resources > Standards > UNGP Reporting Framework

purpose
stages in the process of implementation
relevant standards and guidelines

Plan, Do, Check, Act

- **Main Elements of an EMS**
- Manual p208
 - Commitment and Policy
 - Planning
 - Implementation and Operation
 - Checking and Corrective Action
 - Review and Improvement

- **Implementation Stages of an EMS**
- Manual p209
 - Initiation
 - Specification
 - Design
 - Build
 - Operate

Application

Environmental

Environmental Management Tools

Socio-Economic

Sustainability profession, leaders (organisational), wider professions, everyone

People

Verification and Assurance
Manual p163
Assurance - guarantee that a thing is true
Verification - process of establishing truth
AA1000AS

Verification and Assurance

Inclusivity, Materiality, Responsiveness, Completeness
Manual p337
Manual p163

Practical solutions - Manual chapter 7

Learning Outcome 5 - Explain major and relevant tools, techniques, systems and practices, their application and how they can be used to develop sustainable products and services and improve sustainability performance

PIEMA 5-8

Learning Outcome 7 - Collect and critically analyse data, and report information that informs decision making

Data Sources

Identifying relevant sources of data and describing techniques used to collect, process, and store accurate data
Manual chapter 5
Manual p155-156

Data Types

Absolute
Normalised
Manual p161
Qualitative
Quantitative
Manual p157

Importance of relevant and accurate data

Verification and Assurance
Manual p163

Analysing and interpreting data / information. Draw appropriate conclusions. Make practical recommendations that improve sustainability performance

Monitoring, Analysing
Manual p167-180

Strategies to deal with issues identified
Manual chapter 7

Monitoring a programme to improve sustainability performance using appropriate methods
Manual p158-159

Explaining how innovation and other leading practices can be used to develop sustainable products and services and provide sustainable solutions

Explaining innovation and how the principles of innovation can be applied in any given context

It is expected that a variety of case studies are provided from different sectors e.g. energy, transport, manufacturing, the built environment and agriculture

Case Studies from Edie, Business Green, Google Alerts, etc

Learning Outcome 6 - Explain the role of innovation and other leading practices in developing sustainable products and services and providing sustainable solutions

Learning Outcome 8 - Identify problems and assess opportunities that deliver innovative and sustainable products and services

Identifying the benefits of research, planning and keeping up-to-date with innovations to provide sustainable solutions

Identifying challenges to sustainability and reframing them as opportunities

Innovations: Academic research, developments by competitors, other sectors and wider stakeholders, new business models

Case Studies from Edie, Business Green, Google Alerts, etc