

This workbook is provided to assist in the implementation of your SQF Code Edition 9 Implementation Package. The workbook is divided into 8 steps that are designed to assist you in implementing your food safety management system effectively:

✓ Step One: Introducing the SQF Food Safety System✓ Step Two: Senior Management Implementation

✓ Step Three: Food Safety Management Implementation

✓ Step Four: Good Manufacturing Practices Implementation

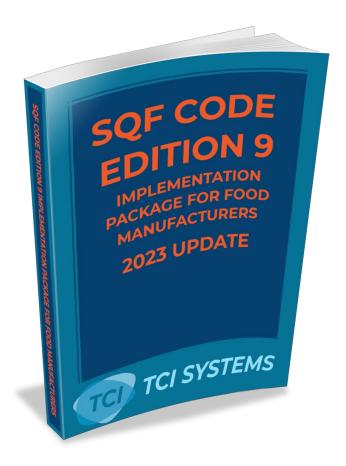
✓ Step Five: Project Planning

✓ Step Six: HACCP Implementation

✓ Step Seven: Training

✓ Step Eight: Final Steps to SQF Certification

The Implementation Workbook compliments the SQF Food Safety Management System Implementation Package which is an ideal package for organizations looking to meet the requirements of the SQF Food Safety Code: Food Manufacturing Edition 9. This version has been updated in accordance with CODEX Recommended International Code of Practice General Principles of Food Hygiene 2022 Edition HACCP System and Guidelines for its Application.



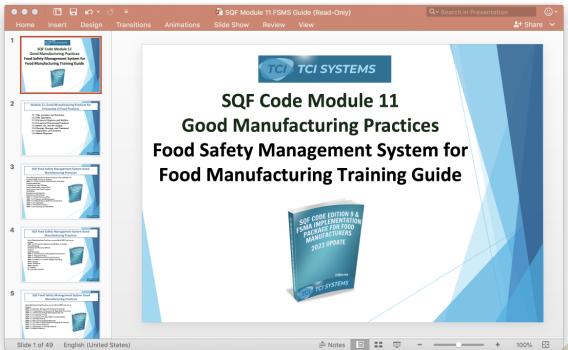
The SQF Food Safety Management System Implementation Package contains:

- ✓ Comprehensive editable Food Safety Management System Procedures that are compliant with the SQF Food Safety Code System Elements in Microsoft Word (US English) format
- ✓ Comprehensive editable Good Manufacturing Practice Procedures that are compliant with the SQF Food Safety Code Module 11 GMP in Microsoft Word (US English) format
- ✓ A range of Sample Record Templates in Microsoft Word (US English) format
- ✓ New additional HACCP tools and guidance based on SQF Code Requirements and CODEX General Principles of Food Hygiene 2022 Edition HACCP System and Guidelines for its Application
- ✓ Introduction to the SQF Food Safety Management System PowerPoint Presentations
- ✓ HACCP Training and Internal Auditor Training PowerPoint Presentations
- ✓ Allergen Risk, Food Fraud & Supplier Risk Assessment Tools
- ✓ Free Technical Support

# Step One: Introduction to the SQF Food Safety Management System Implementation Package

Training Presentations for SQF System Elements for Food Manufacturing and Module 11: Good Manufacturing Practices for Processing of Food Products. The presentations will introduce the package to the management team and explain how the Food Safety Management System Tools & Templates match and comply with the SQF Food Safety Code.





#### **Step Two: Senior Management Implementation**

A Senior Management Implementation checklist is provided that establishes your Food Safety Management System fundamentals including Food Safety Policies and Objectives.

The checklist guides Senior Management:

- ✓ in planning the establishment of the FSMS
- ✓ in providing adequate support to establish the FSMS
- √ in ensuring there is adequate infrastructure and work environment
- √ in allocating responsibility and authority

This stage requires the Senior Management to meet and establish the foundations for the Food Safety Management System:

- ✓ Formulating a checklist of Customer, Regulatory, Statutory and other relevant Food Safety requirements
- ✓ Decide which Food Safety requirements the company should address and develop relevant policies.
- ✓ Based on the Food Safety Policy Management Policies establish Food Safety Objectives
- ✓ Define the scope and boundaries of the FSMS
- ✓ Plan the establishment of the FSMS using the project planner
- ✓ Provide adequate support to establish the FSMS
- ✓ Ensure there is adequate infrastructure and work environment
- ✓ Allocate responsibility and authority
- ✓ Assess, plan and establish appropriate internal and external communication (including the food chain) channels
- ✓ Plan to establish a food safety culture

A meeting should now be coordinated involving all the Senior Management Team.

### Senior Management FSMS Implementation Meeting

**Date** 

<u>Time</u>

<u>Venue</u>

#### <u>Agenda</u>

- 1. Formulating a checklist of Customer, Regulatory, Statutory and other relevant Food Safety requirements
- 2. Decide which Food Safety requirements the company should address and develop relevant policies.
- 3. Based on the Food Safety Policy Management Policies establish Food Safety Objectives
- 4. Define the scope and boundaries of the FSMS
- 5. Plan the establishment of the FSMS using the project planner
- 6. Provide adequate support to establish the FSMS
- 7. Ensure there is adequate infrastructure and work environment
- 8. Allocate responsibility and authority
- 9. Assess, plan and establish appropriate internal and external communication (including the food chain) channels
- 10. Plan to establish a food safety culture

#### Attendees:

Senior Management Team			
Job Title Name Role in Team		Role in Team	
General Manager		Chairman	
Operations Manager		Operations Reporting	
Quality Manager		Food Safety Reporting	
Planning Manager		Planning and Capacity Reporting	
Distribution Manager		Distribution Reporting	
Maintenance Manager		Services and Engineering Provision	
Finance Manager		Financial Reporting	
Human Resources Manager		Resource reporting	

### Senior Management FSMS Implementation Checklist

The Senior Management FSMS Implementation Meeting should follow the guidelines of the Senior Management Implementation Checklist:

	Senior management formulate a checklist of Customer, Regulatory, Statutory and other relevant Food Safety requirements				
	Customer/Regulatory/Statutory/Other	Record Details			
	XYZ Customer Requires this				
	SQF Code Edition 9				
Action	Food Regulations				
(i)	FSMA Preventive Controls Rule for Human Food				
	Senior Management decides which Food Safety requirements the company should address and develop relevant policies.				
	Requirement	Policy Details			
	Requirement	Policy Details			
	Requirement	Policy Details			
Action	Requirement	Policy Details			
Action (ii)	Requirement	Policy Details			
	Requirement	Policy Details			
	Requirement	Policy Details			
	Requirement	Policy Details			

At a I	ater stage, Senior Management will be requi	red to carry out a management review
After im	nplementation and verification Senior Manag the FSMS	ement take action to continually improve

### The outputs from this meeting will be:

- √ Food Safety Policy
- ✓ Food Safety Objectives
- ✓ Defined Scope
- ✓ A Developed Project Planner
   ✓ Support Plan for Implementation/Training
- ✓ Plans for Infrastructure/Work Environment
- ✓ Allocation of Responsibility/Authority including the appointment of an SQF Practitioner
- ✓ Defined Communication Channels
- ✓ An Action Plan to lead and support a food safety culture within the site

Senior Management can choose/adapt the templates supplied with the system to assist in documenting policies and objectives:

#### **Food Safety Policy and Objectives**



#### Senior Management Define the Scope of the Food Safety Management System:

The scope of the Food Safety Management System includes all product categories, processes and activities conducted on site. These requirements are aligned with the policies and objectives of the site and include those of the SQF Food Safety Code for Manufacturing Edition 9.

The scope of the Food Safety Management System includes all customer, statutory and regulatory documents applicable to the business:

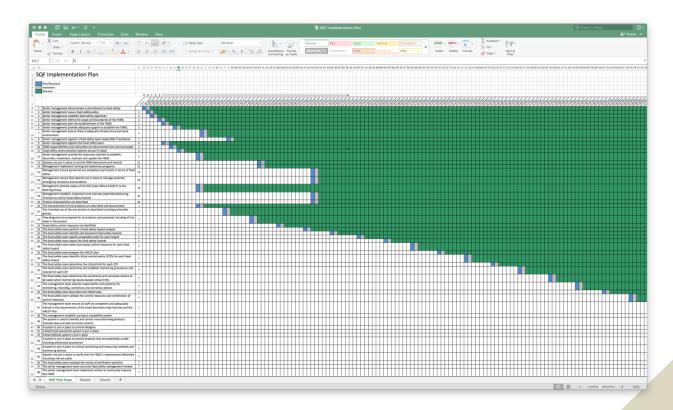
- Food Regulations
- National/International Standards
- Customer Codes of Practice
- Food Safety Modernization Act (FSMA) Rules (if applicable)

The company has a system in place through the Industry Federation to ensure that it is kept informed of all relevant legislation, food safety issues, legislative scientific and technical developments and Industry Codes of Practice applicable in the country of production and, where known, the country where the product will be sold. This information is used for reference and Hazard Analysis.

Where products or services are outsourced the organization assumes full control of this process.

### Senior Management Establish the Project Plan

Using the Excel Project Planner Senior Management adapt the template supplied with the system to establish a Project Plan.



### Senior Management provide adequate support to establish the FSMS

Senior management establish and provide adequate support to establish the FSMS including the resource required to complete the implementation plan, establish, implement and maintain the Food Safety Management System, conduct Internal Audits and Monitor & Measure.

	Senior management provide adequate support to establish the FSMS			
	Resource requirement	Details		
	Food Safety Team Leader/SQF Practitioner/PCQI			
	Food Safety Team			
Action	FSMS Steering Group			
(vi)	Trainers			
	Internal Auditors			

### Senior Management establish and provide Infrastructure and Work Environment Requirements

Senior Management provide the Infrastructure and Work Environment required to establish the Food Safety Management System. Having assessed the resources required to implement, maintain, and improve the Food Safety Management System, these resources should be provided including:

- Building and Maintenance requirements identified in Step 2
- Skilled Personnel
- Suitable materials
- Suitable equipment
- Appropriate Hardware and Software
- Infrastructure
- Information
- Finances
- Audit resource
- Training resource

	Senior management ensure there is adequate infrastructure and work environment			
	Infrastructure/Work environment requirements	Details		
Action				
(vii)				

Remember the SQF Practitioner is verified by the SQF Auditor at each Audit to ensure:

- They are employed by the Supplier as a permanent full time employee and hold
   a position of responsibility in managing of the Food Safety Management System
- ✓ Have completed a HACCP Training Course and be experienced and competent to implement and maintain HACCP Plans
- ✓ Have an understanding of the SQF Food Safety Code for Manufacturing Edition
   9 (Completion of the "Implementing SQF Systems Training Course Exam" would meet this requirement)

The SQF Practitioner is also likely to be the PCQI: Preventive controls qualified individual means a qualified individual who has successfully completed training in the development and application of risk-based preventive controls at least equivalent to that received under a standardized curriculum recognized as adequate by FDA or is otherwise qualified through job experience to develop and apply a food safety system.

### **Key Personnel and Nominated Deputies**

Job Title	Job Holder	Nominated Deputy
Emergency Response Coordinator		
Food Safety Team Leader		
General Manager		
Operations Manager		
Production Manager		
Warehouse Manager		
Maintenance Manager		
Factory Safety Manager		
Human Resource Manager		
Quality Manager		
Production Supervisor		
Packing Manager		
Distribution Manager		
Planning Manager		
Goods Receipt Manager		
Design and Development Manager		
Purchasing Manager		
Customer Service Manager		
Laboratory Manager		

### Senior Management Establish Food Safety Management System Steering Group

Food Safety Management System Steering Group				
FSMS Team Member	Name	Position	Qualification	
FSMS Team Leader				
FSMS Assistant Leader				
FSMS Team Members				

### Senior Management Establish a Food Safety Team

Food Safety and Quality Audit Team			
FSMS Audit Team	Name	Position	Qualification

### Senior Management Establish a Product Recall/Crisis Management Team

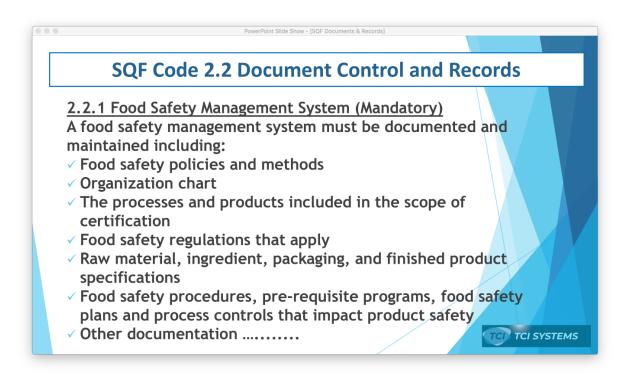
Crisis Management/Product Recall Team			
Crisis	Name	Crisis Coordinator	Contact Details
Fire or Site evacuation		Health and Safety Manager	
Utility Supply failure		Maintenance Manager	
IT systems failure		Operations Manager	
Water Supply Contamination		Quality Manager	
Breaches of security		General Manager	
Distribution Failure		Distribution Manager	
Extortion or Sabotage		General Manager	
Product Safety or Quality		Quality Manager	

### Senior Management Establish Food Safety Responsibility & Authority Levels

### **Example Key Responsibilities**

Process	Responsible Persons	Activity
Purchases	Purchasing Manager	Purchase ingredients from approved and certified sources Ensure purchase orders comply with applicable specifications Leads Food Fraud Team Develops Food Fraud Mitigation Plans
	Quality Manager	Supplier Approval Ensure adequate information on supply application form Ensure suppliers adhere to supply handling practices Perform supplier audits and review supply status where necessary
Receiving and warehousing	QA/QC & Store Executives	Compare Purchase Order and Delivery note or check contracts as per Suppliers Specifications criteria (if applicable) Check receiving temperature, pest infestations, quality, packing conditions and truck hygiene. Observe unloading practices Handle incoming goods as per documented procedures Ensure Good Storage Practices and FIFO rotation principles Report Non-conformances at Receipt and in Storage
Preparation of Ingredients	QA/QC, Production Manager & Production Executive	Follow safe food preparation and handling practices Check environmental hygiene and safety Check equipment process performance and maintenance Check water quality and safety Check raw materials identification and traceability
Production	QC/QC, Production Manager, Supervisor & Operators	Maintain product recipes and characteristics Do not modify recipes prior to approval from top management Follow safe food handling practices Ensure Good Manufacturing Practices are adhered to Follow cleaning and sanitation standards and procedures Follow the handling standards of raw and processed foods
Holding and Filling of Processed Food	Production Supervisor & Operators	Follow safe food holding procedures Hold foods outside the range of danger zone Follow safe food filling procedures into primary packaging
Capping, coding and packing	Production Supervisor & Operators	Follow safe capping procedures Ensure food in primary packaging are hygienically located Ensure coding for traceability is performed to

- FS 2.5.3C Preventative Action Request
- FS 2.5.4 Internal Audits and Inspections
- FS 2.5.4A Audit and Inspection Schedule
- FS 2.6.1 Product Identification
- FS 2.6.2 Product Trace
- FS 2.6.2A Traceability System Diagram
- FS 2.6.2B Batch Identification System
- FS 2.6.2C Label Retention and Check
- FS 2.6.3 Product Withdrawal and Recall
- FS 2.6.3A FDA Recall Template
- FS 2.6.4 Crisis Management Planning
- FS 2.7.1 Food Defense Plan
- FS 2.7.1A Food Defense Threat Assessment
- FS 2.7.2 A Food Fraud Assessment Instructions
- FS 2.7.2 Food Fraud
- FS 2.7.2A Food Fraud Assessment Template
- FS 2.8 Allergen Management
- FS 2.8.1A Allergen Management Tool
- FS 2.8.1B Allergen Clean Validation
- FS 2.8.1C Allergen Clean Verification
- FS 2.8.1D Appendix Ingredient Allergen Management Color Coding
- FS 2.8.1E Allergens
- FS 2.8.1F Allergen Management Records
- FS 2.9 Training
- FS 2.9A Sample Work Instruction

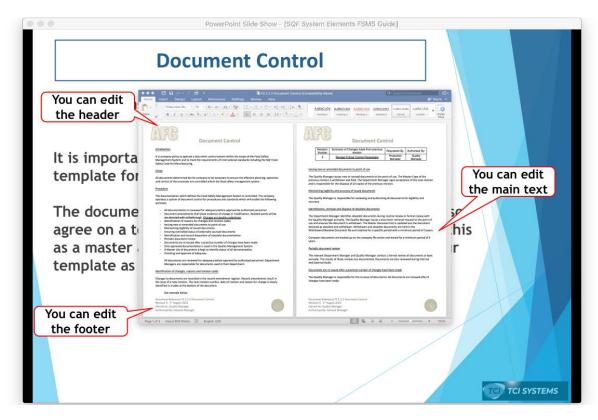


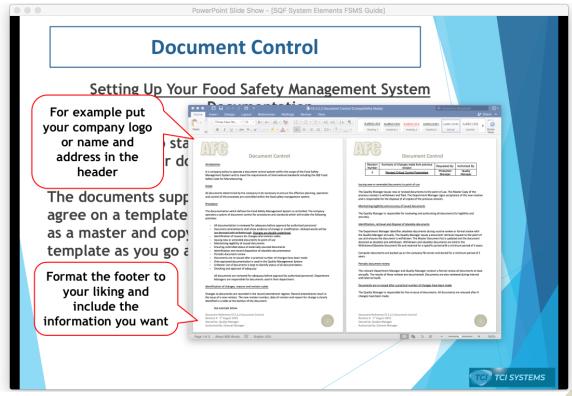


The documents are provided in Microsoft Word English (US) format and are easily edited to suit your organization.

#### Setting Up Your Food Safety Management System Documentation

It is important to start off your project with an agreed template for your documents and records. The documents supplied in the package are easy to edit so agree on a template format that you want and then use this as a master and copy all of the other documents into your template as you go along developing your system.





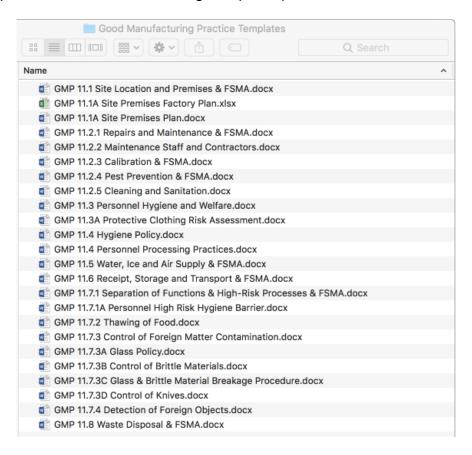
#### Food Safety Management System Record Templates

A range of sample food safety record templates are included in the package:

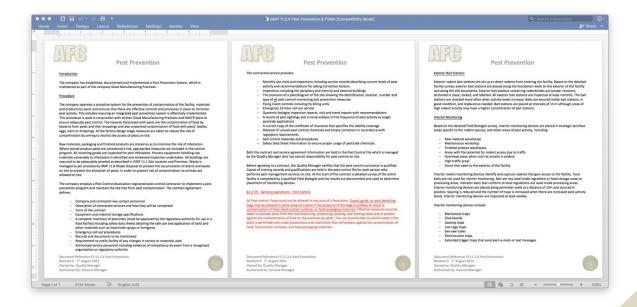


#### **Step Four: Good Manufacturing Practices Implementation**

The SQF Food Safety Management System Implementation Package contains a comprehensive Good Manufacturing Practice procedural templates so you don't have to spend 1,000's of hours writing compliant procedures:



The documents are provided in Microsoft Word English (US) format and are easily edited to suit your organization.



### **Step Five: Project SQF Implementation**

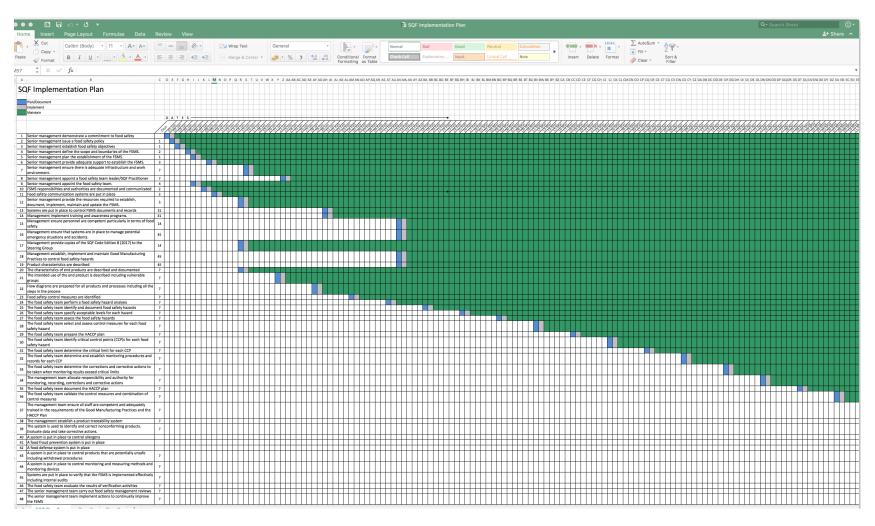
The package contains project tools to assist in achieving SQF certification. In this part of the package you will need to:

- ✓ Make sure that the Steering Group are established and briefed
- ✓ Make sure that the Steering Group take control of the Project Plan established by Senior Management

Food Safety Management System Steering Group					
FSMS Team Member	Name	Position	Qualification		
FSMS Team Leader					
FSMS Assistant Leader					
FSMS Team Members					

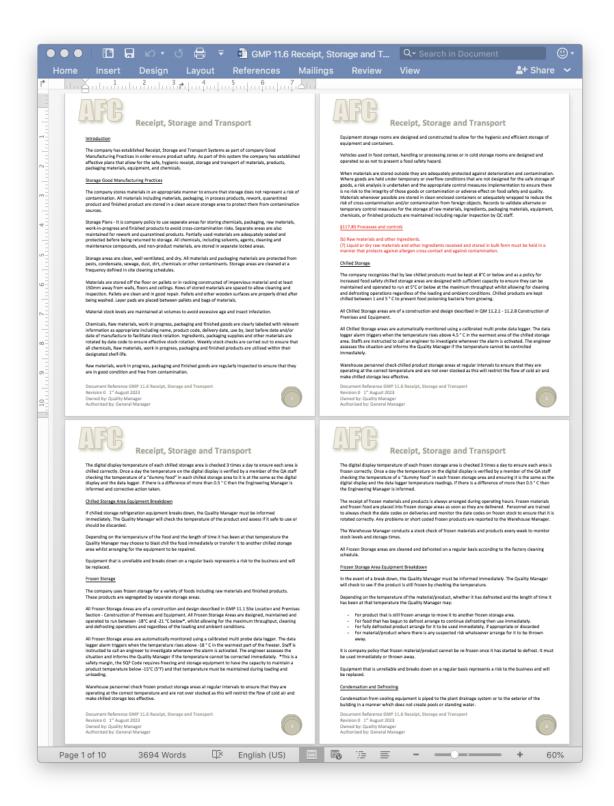
### Project Plan

The Steering Group use the Excel Project Plan developed by Senior Management as a step by step guide to implementing the Food Safety Management System.



	Project Planning Tasks	Responsibility	Comments	Due Date for Completion	Date Completed
1)	Senior management demonstrate a commitment to food safety	Senior Management Team	Completed in Step 2		
2)	Senior management issue a food safety policy and objectives	Senior Management Team	Completed in Step 2		
3)	Senior management plan to establish a food safety culture	Senior Management Team	Completed in Step 2		
4)	Senior management define the scope and boundaries of the FSMS	Senior Management Team	Completed in Step 2		
5)	Senior management plan the establishment of the FSMS.	Senior Management Team	Completed in Step 2		
6)	Senior management provide adequate support to establish the FSMS.	Senior Management Team	Completed in Step 2		
7)	Senior management ensure there is adequate infrastructure and work environment.	Senior Management Team	Completed in Step 2		
8)	Senior management appoint a food safety team leader/SQF Practitioner	Senior Management Team	Completed in Step 2		
9)	Senior management appoint the food safety team.	Senior Management Team	Completed in Step 2		
10)	FSMS responsibilities and authorities are documented and communicated	Senior Management Team	Completed in Step 2		
11)	Food safety communication systems are put in place	Senior Management Team	Completed in Step 2		
12)	Senior management provide the resources required to establish, document, implement, maintain and update the FSMS.	Senior Management Team	Completed in Step 2		
13)	Systems are put in place to control FSMS documents and records	Steering Group	Use FS 2.2.2 Document Control & FS 2.2.3 Record Control		

#### GMP 11.6 Receipt, Storage and Transport



#### Project Tasks 19 – 33

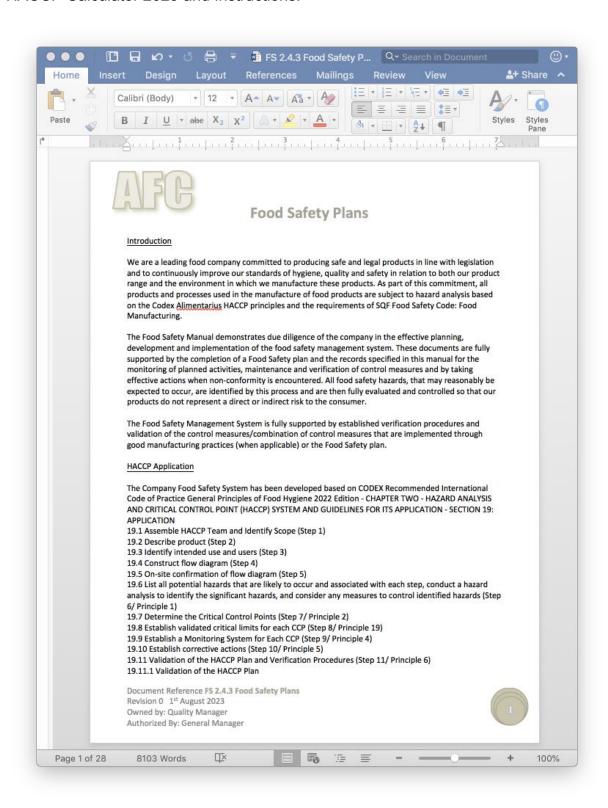
Project Tasks 19 - 33 are to be completed by the Food Safety Team. Guidelines for these tasks are included in Step 6 HACCP Implementation Section.

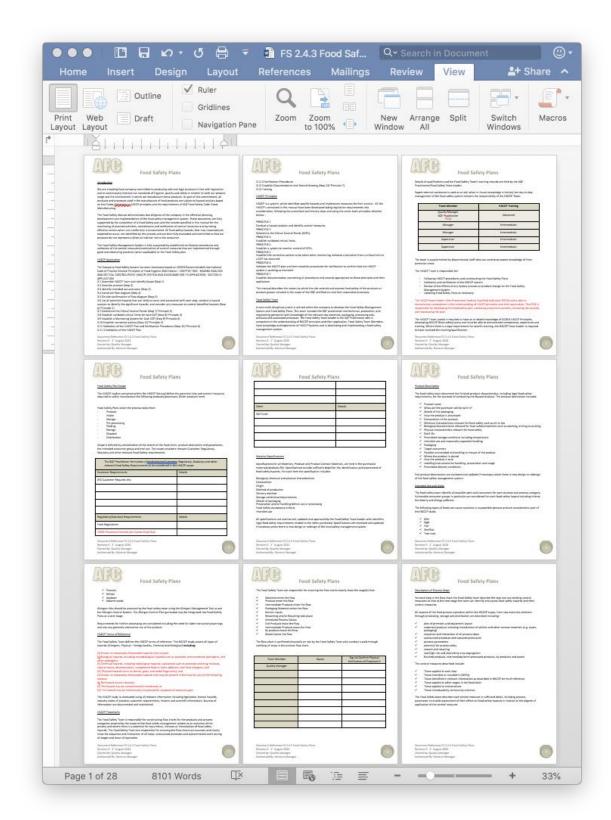
The tasks are based on CODEX Recommended International Code of Practice General Principles of Food Hygiene 2022 Edition - HAZARD ANALYSIS AND CRITICAL CONTROL POINT (HACCP) SYSTEM AND GUIDELINES FOR ITS APPLICATION - SECTION 19: APPLICATION

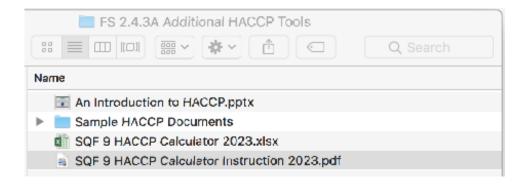
19)	Assemble HACCP Team and Identify Scope (Step 1)
20)	Describe product (Step 2)
21)	Identify intended use and users (Step 3)
22)	Construct flow diagram (Step 4)
23)	On-site confirmation of flow diagram (Step 5)
24)	List all potential hazards that are likely to occur and associated with each step (Step 6/ Principle 1)
25)	Conduct a hazard analysis to identify the significant hazards (Step 6/ Principle 1)
26)	Consider any measures to control identified hazards (Step 6/ Principle 1)
27)	Determine the Critical Control Points (Step 7/ Principle 2)
28)	Establish validated critical limits for each CCP (Step 8/ Principle 19)
29)	Establish a Monitoring System for Each CCP (Step 9/ Principle 4)
30)	Establish corrective actions (Step 10/ Principle 5)
31)	Validation of the HACCP Plan (Step 11/ Principle 6)
32)	Establish Verification Procedures
33)	Establish Documentation and Record Keeping (Step 12/ Principle 7)

#### **Step Six: HACCP Implementation Guide**

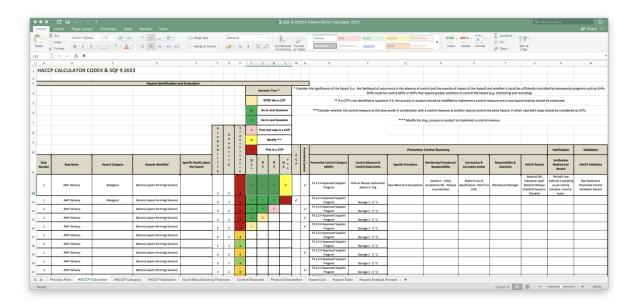
Included in the package are FS 2.4.3 Food Safety Plan and supplementary HACCP documents in the Additional HACCP Tools Folder including the SQF 9 CODEX HACCP Calculator 2023 and Instructions:

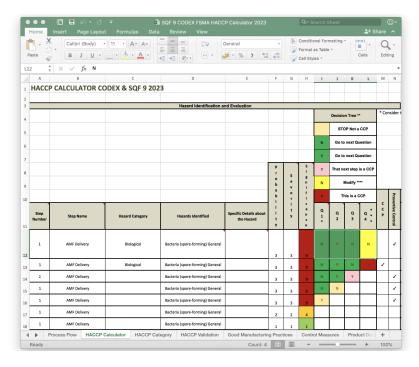






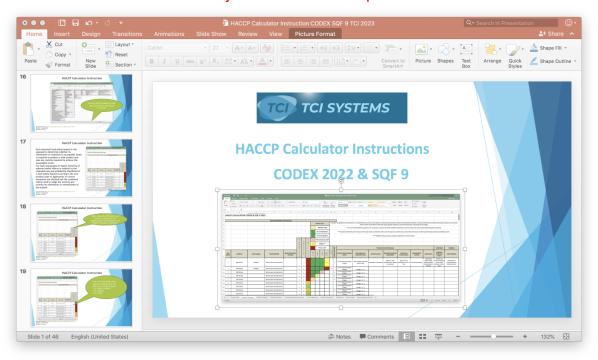
The main tool here is the SQF 9 HACCP Calculator 2023





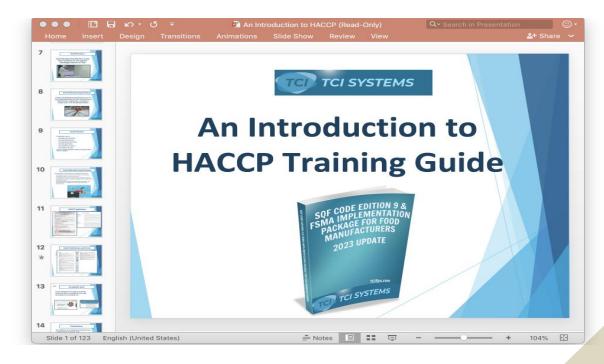
#### The SQF 9 HACCP Calculator 2023 Instructions

Follow the step by step guide to implementing your HACCP using the documents supplied and the SQF 9 HACCP Calculator 2023. These instructions need to be read and understood and used in conjunction with this Implementation Workbook

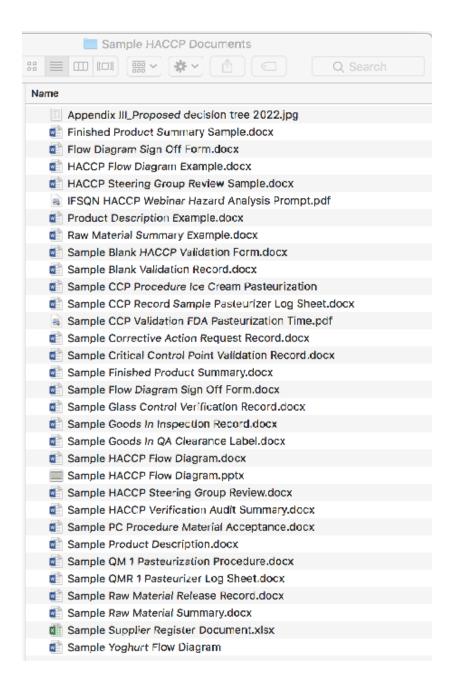


#### **HACCP Training PowerPoint Presentation**

This folder also contains an Introduction to HACCP Training PowerPoint Presentation which is supplied to introduce your food safety team in the preliminary steps to a Hazard analysis, the principles of HACCP and how to utilize the HACCP Calculator in implementing your HACCP system.



#### There is a Sample HACCP Documents Sub-Folder



These are supplementary documents and examples that you might find useful when implementing your Food Safety Plans

#### **HACCP Application**

The Food Safety System needs to be developed based on CODEX Recommended International Code of Practice General Principles of Food Hygiene 2022 Edition - CHAPTER TWO - HAZARD ANALYSIS AND CRITICAL CONTROL POINT (HACCP) SYSTEM AND GUIDELINES FOR ITS APPLICATION - SECTION 19: APPLICATION

- 19.1 Assemble HACCP Team and Identify Scope (Step 1)
- 19.2 Describe product (Step 2)
- 19.3 Identify intended use and users (Step 3)
- 19.4 Construct flow diagram (Step 4)
- 19.5 On-site confirmation of flow diagram (Step 5)
- 19.6 List all potential hazards that are likely to occur and associated with each step, conduct a hazard analysis to identify the significant hazards, and consider any measures to control identified hazards (Step 6/ Principle 1)
- 19.7 Determine the Critical Control Points (Step 7/ Principle 2)
- 19.8 Establish validated critical limits for each CCP (Step 8/ Principle 19)
- 19.9 Establish a Monitoring System for Each CCP (Step 9/ Principle 4)
- 19.10 Establish corrective actions (Step 10/ Principle 5)
- 19.11 Validation of the HACCP Plan and Verification Procedures (Step 11/ Principle 6)
- 19.11.1 Validation of the HACCP Plan
- 19.11.2 Verification Procedures
- 19.11.3 Establish Documentation and Record Keeping (Step 12/ Principle 7)
- 19.12 Training

#### Task 19 Assemble HACCP Team and Identify Scope

The Food Safety Team is confirmed and trained and the HACCP Scope is defined

#### Food Safety Team

A core multi-disciplinary team needs to be utilized to develop the Food Safety Management System and Food Safety Plans. This team must include a Food Safety Team Leader (Normally the SQF practitioner) and technical, production, and engineering personnel with knowledge of the relevant raw materials, packaging, processing aids, products and associated processes.

The Food Safety (HACCP) Team Leader is required to have an in-depth knowledge of CODEX HACCP Principles, developing HACCP (food safety) plans and must be able to demonstrate competence, experience and training. Where there is a legal requirement for specific training, the HACCP Team Leader is required to have received this training/qualification.

Expert external assistance may be used as an aid, when in-house knowledge is limited, but day-to-day management of the food safety system remains the responsibility of the HACCP Team.

#### Confirmation of the Food Safety Team and Training

Team Member	HACCP Training
Quality Manager SQF Practitioner	Advanced

#### Food Safety Plan Scope

The Food Safety Team need to define the scope of the hazard study and the potential risks and control measures required to safely manufacture relevant products/processes.

Food Safety Plans need to cover the process steps from:

- Supplier
- Intake
- Storage
- Processing
- Packing
- Storage
- Dispatch
- Distribution

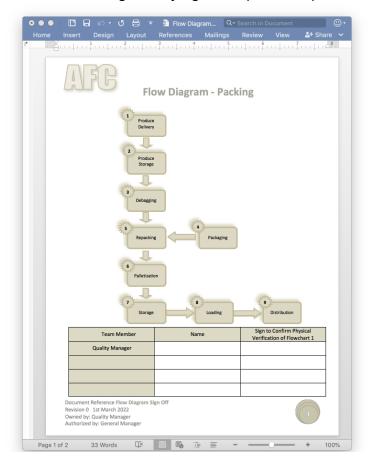
Scope is defined by consideration of the extent of the food chain, product description and parameters, the intended consumer group and end-use. The scope considers relevant Customer, Regulatory, Statutory and other relevant Food Safety requirements.

The HACCP study needs to cover all types of hazards (Allergens, Physical – foreign bodies, Chemical and Biological).

The HACCP study should be conducted using all relevant information including legislation, known hazards, industry codes of practice, customer requirements, historic and scientific information. Sources of information are documented and maintained.

#### Task 23 On-site confirmation of flow diagram

The flow diagram should be confirmed physically on site by the Food Safety team who should conduct a walk through verifying all steps in the process.



# Task 24 List all potential hazards that are likely to occur and associated with each step

The Food Safety Team should now identify and list all the potential hazards that are likely to occur and associated with each step for each product and process category.

The Food Safety Team should identify hazards taking into account the steps preceding and following the specified operation, process equipment, process service and surroundings and preceding and following links in the food chain.

The Food Safety Team should record the food safety hazards that are reasonably likely to occur for each product and process category in each process facility as identified by the information gathered in the steps so far:

- HACCP Scope
- Raw Materials
- Product Description
- Intended Use
- HACCP Flow charts
- Description of Process Steps

In addition, Food Safety Hazards are identified and recorded based on:

- Experience (Food Safety Team knowledge)
- External Information such as epidemiological studies and other historical information relating to the product food safety
- Information from the Food Chain on Food Safety Hazards of relevance for intermediate products, end products and the product end of the food chain
- Customer complaints
- Previous internal non-conformances are used to help assess the risk.

This hazard list is referred to as a preliminary hazard list and covers all hazards that could potentially occur in the product.

The food safety team can also use the HACCP Hazard Analysis Prompt included in the Sample HACCP Documents Folder to identify potential food safety hazards:

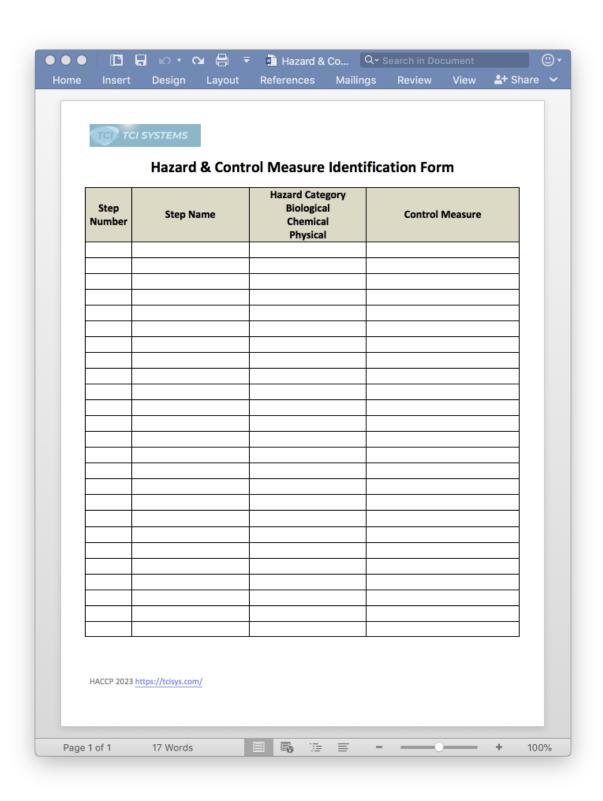
	Answers in Detail
Are the raw materials, ingredients or food contact packaging likely to have chemical, biological or physical hazards present?	
Are there any characteristics in the composition of the food during which can prevent a hazard? E.g.  Preservatives, pH, Water Activity	
Does the food permit survival or multiplication of pathogens and at which stages?	
Does the process include a controllable step that destroys pathogens or their toxins? (Consider spores)	
is it possible the product could be subject to recontamination?	
Is product contamination (consider direct and indirect contamination) with hazardous microbiological organisms from equipment, process environment or personnel likely to occur?	
s product contamination (consider direct and indirect contamination) with hazardous chemical substances from equipment, process environment or personnel likely to occur?	
Is product contamination (consider direct and indirect contamination) with hazardous physical objects from equipment, process environment or personnel likely to occur?	
Is it likely that the food contains viable spore forming pathogens?	
is it likely that the food contains viable non-spore forming pathogens?	
What is the normal microbial content of the food stored under proper conditions?	
Does the microbial population increase during the time the food is stored before consumption?	
Does that increase in microbial population alter the safety of the food?	
Does the layout of the facility provide an adequate separation of raw materials from ready-to-eat foods?  Will the equipment provide the time and temperature control that is necessary to meet critical limits?	

### **Hazard Analysis Prompt**

(iv) Transportation practices;				
(v) Manufacturing/processing procedures;				
(vi) Packaging activities and labelling activities;				
(vii) Storage and distribution;				
(viii) Intended or reasonably foreseeable use;				
(ix) Sanitation, including employee hygiene; and				
(x) Any other relevant factors, such as the temporal (e.g., weather-related) nature of some hazards (e.g., levels of some natural toxins).				
The hazard identification process should consider known or reasonably foreseeable hazards including:				
(i) Biological hazards, including microbiological hazards such as parasites, environmental pathogens, and other pathogens				
(ii) Chemical hazards, including radiological hazards,				
substances such as pesticide and drug residues, natural				
toxins, decomposition, unapproved food or color				
additives, and food allergens				
(iii) Physical hazards (such as stones, glass, and metal fragments)				
The hazard evaluation must include an evaluation of				
environmental pathogens whenever a ready-to- eat				
food is exposed to the environment prior to packaging				
and the packaged food does not receive a treatment or				
otherwise include a control measure (such as a				
formulation lethal to the pathogen) that would				
significantly minimize the pathogen.				
The hazard identification process should consider known or reasonably foreseeable hazards that may be				
present in the food for any of the following reasons:				
(i) The hazard occurs naturally; such as toxin production				
(such as aflatoxins or mycotoxins)				
(ii) The hazard may be <b>unintentionally introduced</b> ; or				
(such as chemical contamination)				
(iii) The hazard may be intentionally introduced for				
purposes of economic gain. (such as melamine)				



The food safety team can also use the Hazard & Control Measure Identification Form included in the Sample HACCP Documents Folder to log Hazards & Control Measures:



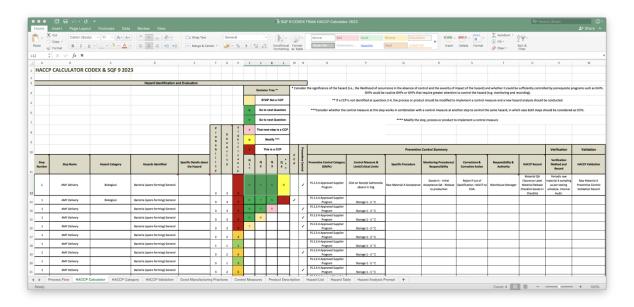
#### Task 25 Conduct a hazard analysis to identify the significant hazards

The food safety team perform a food safety hazard analysis to identify and document significant food safety hazards

For each Food Safety Hazard Identified, the acceptable level of the hazard in the end product is determined, justified and recorded taking into account regulatory requirements, customer food safety requirements, historic information, scientific literature, professional experience and intended use by the customer.

Step Number	Step Name	Hazards Identified		
1	Delivery of Material A	Stones		
1	Delivery of Material A	Campylobacter spp.		
1	Delivery of Material A	Contamination with Bacteria from pests		
1	Delivery of Material A	Pesticides		

This information can be logged in the SQF 9 HACCP Calculator 2023:



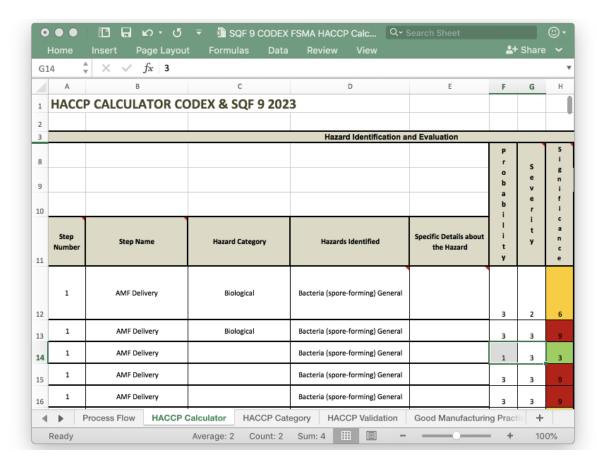
Task 27 The food safety team assess the food safety hazards

Each potential food safety hazard should now be risk assessed by the Food Safety Team to determine whether its elimination or reduction to acceptable levels is required to produce a safe product and also any controls required to achieve the acceptable levels.

For each step grades of impact (severity of adverse health effects) and probability (likelihood of a food safety hazard occurring) need to be allotted and the combined matrix used to judge the severity and priority for elimination or minimization of the hazard. The Food Safety Team should identify the hazards that need to be prevented, eliminated or reduced to acceptable levels.

The Food Safety Team need to consider the probability of the hazard occurring, the severity of the hazard on the consumer, the vulnerability of the targeted consumer, the survival and multiplication of any biological hazards and any likely toxin production, the presence of chemicals or foreign bodies, contamination at any stage in the process and possible deliberate contamination or adulteration.

This process is assisted using the worksheet Hazard Calculator of SQF 9 HACCP Calculator 2023:



Taking these factors into account a rating is given for probability and severity. Use the SQF 9 HACCP Calculator 2023 to assist

Firstly, the Food Safety Team assess the likelihood of the hazard occurring:

- 1 for Highly Unlikely
- 2 for Possible
- 3 for Likely

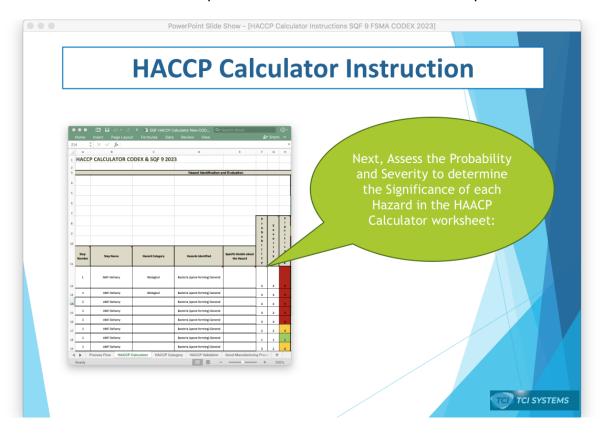
Then the Food Safety Team assess the severity of the hazard:

- 1 for Not Severe
- 2 for Could possibly cause illness
- 3 for Severe (Could be fatal)

The Food Safety team should determine all the Significant Food Safety Hazards which score a 9 as highlighted in red.

All of the food safety hazards that score a 9 are regarded as significant and form the Significant Food Safety Hazard List.

The SQF HACCP Calculator provided can be used to assist in this process.



Task 26 Consider any measures to control identified hazards

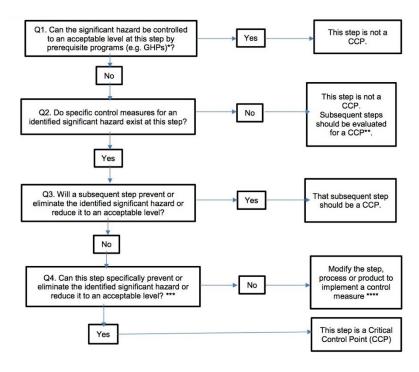
For each step in the flow diagram the Food Safety team should describe the step and the control measures so that at the next stage the team can identify and assess food safety hazards and their control measures. The control measures to be described include:

- Those applied at each step
- Those intended or included in PRP(s)
- Those identified in relevant information as described in HACCP scope
- Those applied at other stages in the food chain
- Those applied to end products
- Those introduced by community schemes

# SQF Food Safety Management System Implementation Workbook

# Task 27 The food safety team identify critical control points (CCP)s for significant food safety hazards

Hazard Assessment is carried out using the HACCP decision tree. Hazards identified at critical control points by the decision tree are controlled in the Food Safety/HACCP Plan. Significant hazards that are not critical are also validated.



<sup>\*</sup> Consider the significance of the hazard (i.e., the likelihood of occurrence in the absence of control and the severity of impact of the hazard) and whether it could be sufficiently controlled by prerequisite programs such as GHPs. GHPs could be routine GHPs or GHPs that require greater attention to control the hazard (e.g. monitoring and recording).

<sup>\*\*</sup> If a CCP is not identified at questions 2-4, the process or product should be modified to implement a control measure and a new hazard analysis should be conducted.

<sup>\*\*\*</sup>Consider whether the control measure at this step works in combination with a control measure at another step to control the same hazard, in which case both steps should be considered as CCPs.

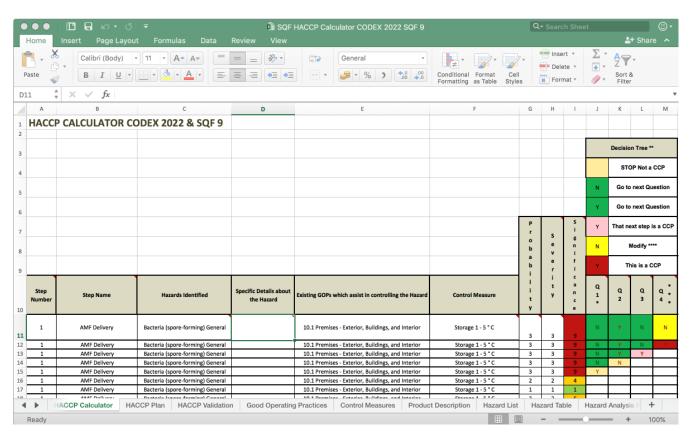
<sup>\*\*\*\*</sup>Return to the beginning of the decision tree after a new hazard analysis.

# <u>Task 27 The food safety team identify critical control points (CCP)s for each food safety hazard</u>

Critical Control Points are established using the decision tree as the latest step in the flow path where controls can be effectively administered for a particular Significant Food Safety Hazards.

The Hazard Assessment is conducted using the HACCP Calculator (SQF 9 HACCP Calculator 2023 xlsx file) to answer the decision tree questions and indicate the critical control points.

The Hazard Analysis:



The HACCP Calculator highlights significant hazards and critical control points in dark red.

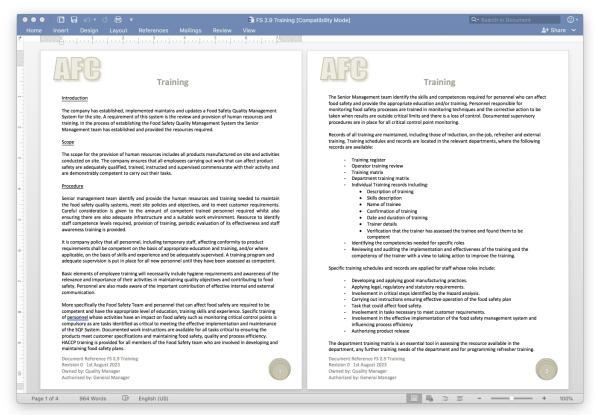
# Control of GMP(s)

GMP(s) for significant hazards are documented by the HACCP Team and include details of the Hazards to be controlled, the control measures applied, the monitoring procedures (parameters, frequency and records), corrections and corrective actions to be taken when outside acceptable limits. For each control measure and GMP(s) responsibility and authority is defined.

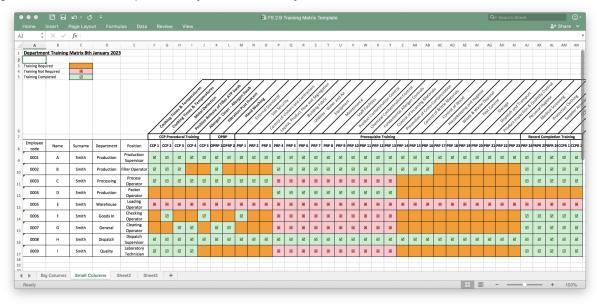
If a significant hazard is identified at a step in the process, but no control measure exists, then the process has to be modified to include an appropriate control measure.

# Step Seven: Training

A significant part of the implementation process is training. FS 2.9 Training procedure template is provided.

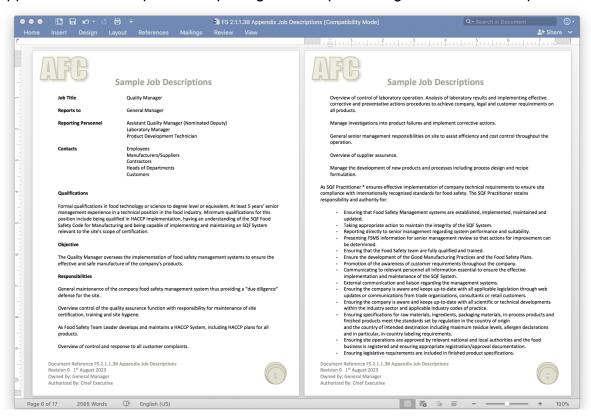


A training matrix and plans should be drawn up for all staff and the relevant training given based on responsibility and authority.

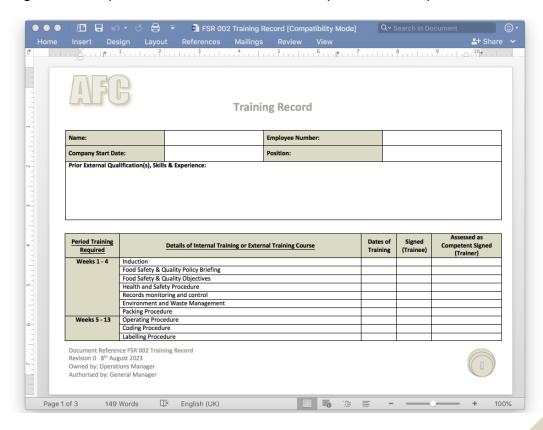


We have provided a FSR 2.9 Training Matrix Template in Microsoft Excel Format.

Job Descriptions should be available for staff with responsibility for food safety & legality. All staff should be briefed and aware of their responsibilities. FS 2.1.1.3B Appendix Job Descriptions template gives sample Management Job Descriptions.



For each employee and individual training record should be completed. FSR 002 Training Record is provided in the documentation pack as a template:



In Task 34 The management team ensure all staff are competent and adequately trained in the requirements of the Good Manufacturing Practices and the Food Safety HACCP Plan

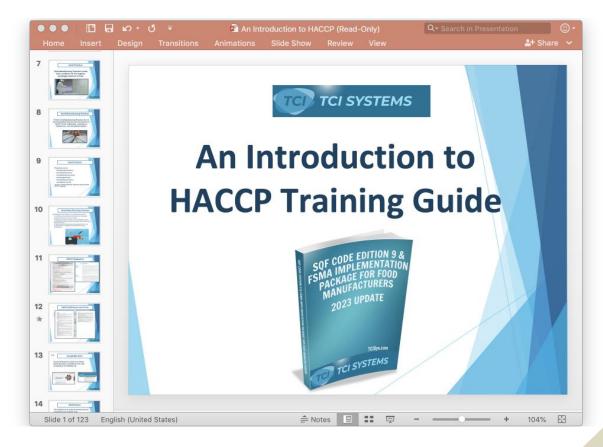
Basic Site Training should be given to all staff and also training in:

- ✓ Implementing HACCP for staff involved in developing and maintaining food safety plans;
- Monitoring and corrective action procedures for all staff engaged in monitoring preventive controls and critical control points (CCPs); Personal hygiene for all staff involved in the handling of food products and
  - food contact surfaces;
  - Good Manufacturing Practices and work instructions for all staff engaged in food handling, food processing, and equipment;
- ✓ Sampling and test methods for all staff involved in sampling and testing of raw materials, packaging, work-in-progress, and finished products;
- ✓ Environmental monitoring for relevant staff;
- ✓ Allergen management, food defense, and food fraud for all relevant staff; and
- ✓ Tasks identified as critical to meeting the effective implementation and maintenance of the SQF code.

Remember all food handlers should receive Basic Food Hygiene Training

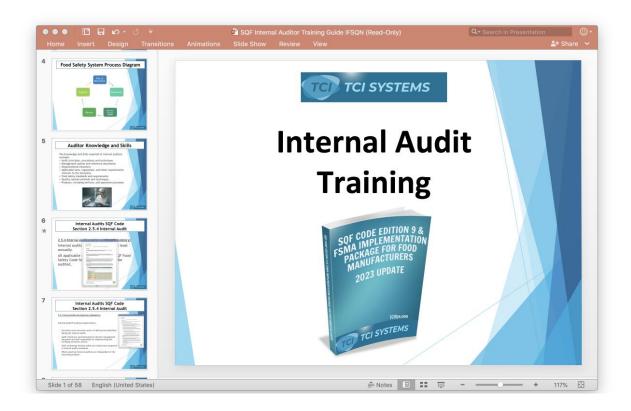
The Food Safety Team should receive extra training

HACCP Training - Previously mentioned

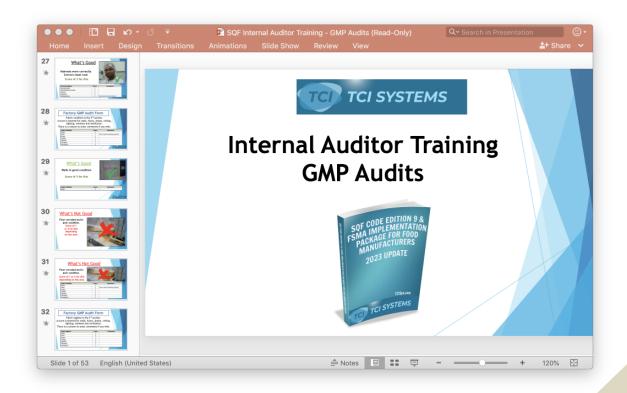


# The Internal Audit Team should receive extra training

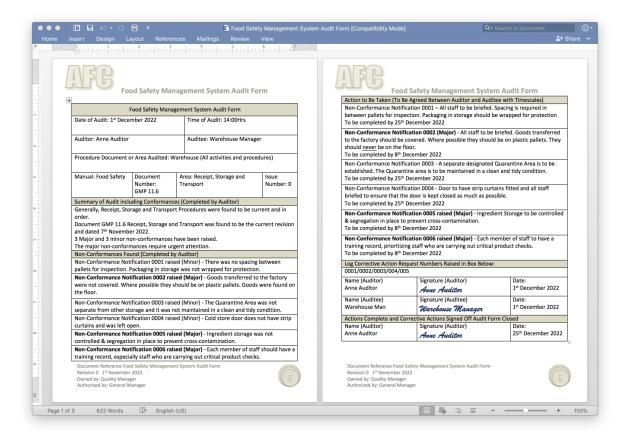
Internal Audit Training presentations are included in the package

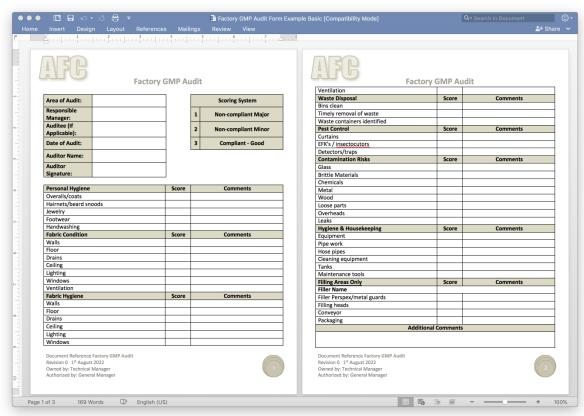


There is also a GMP audit training presentation provided.



# Example Internal Auditing Forms & Checklists are included





# **Stage Eight: Final Steps to SQF Certification**

There a few final steps to achieving SQF Certification:

- ✓ <u>Verify that the FSMS is implemented effectively including internal</u> audits
- ✓ Evaluate the results of verification activities
- ✓ Carry out Management Reviews
- ✓ Carry out an assessment of your system to make sure that it meets the requirements of the SQF Code and have the appropriate Good Manufacturing using the SQF System Self-Assessment Checklists for Suppliers
- ✓ Ensure any areas requiring corrective action are addressed
- ✓ Choose your Certification Body
- ✓ Agree a Contract with a Certification Body
- ✓ Pre-On-Site Audit Document Review
- ✓ On-Site Audit
- ✓ Audit Review
- ✓ Certification Body Review
- ✓ Celebrate!
- ✓ Communicate your success!

<u>Task 45 Systems are put in place to verify that the Food Safety Management System is implemented effectively including internal audits</u>

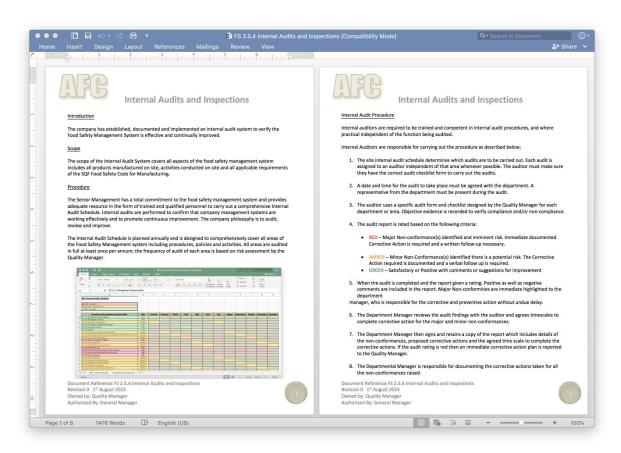
First of all, make sure that your Internal Auditors are trained. At least one auditor should be a site expert and we recommend that they undertake a recognized Internal Audit Team Leader Course.

The Food Safety Team should define the methods, frequencies and responsibilities for verification activities.

Verification activities should put in place by the Food Safety Team to confirm the effective operation of the Food Safety Management System as well as internal audits verification can be Laboratory Analysis of End Products, Final Product Inspection and similar activities.

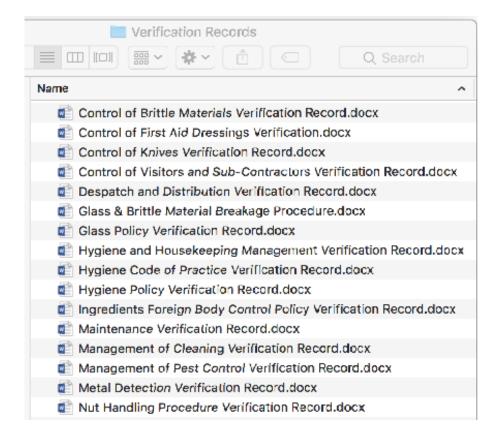
After training the Food Safety Team Leader/SQF Practitioner should schedule Internal Audits.

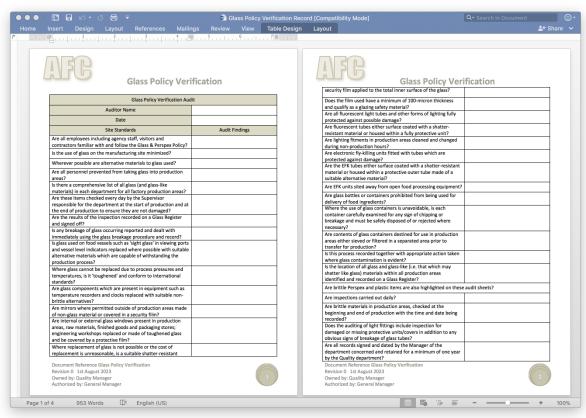
Refer to the Internal Audits Procedure as a guide.



The Internal Audit Schedule should be planned annually and designed to comprehensively cover all areas of the Food Safety Quality Management system including procedures, policies and activities.

# Several Verification Record templates are provided as examples of checklists:





### Senior Management Review Meeting Notification

#### Date/ Time/Venue

#### Agenda

Review of the Food Safety Policy

Review of the Food Safety Objectives

**Review of Management Changes** 

Minutes and Follow-up actions from previous management review meeting

Review of changes to food safety management system documentation including policies, procedures, specifications, food safety plan(s)

Hazard and risk management system review

Food Safety Culture performance review

Results and Outstanding Non-conformances from internal and external audits

Review and trend analysis of Customer and Supplier complaints

Analysis of the results of validation and verification activities

Key Performance Indicators Review

**Emergencies and Accidents** 

Process and product conformity

Corrective and preventive action status

Food Safety incidents including allergen control and labelling non-conformances, recalls, withdrawals, safety or legal issues

Review of changes to legislation and food safety related scientific information

Review of Resources and effectiveness of Training

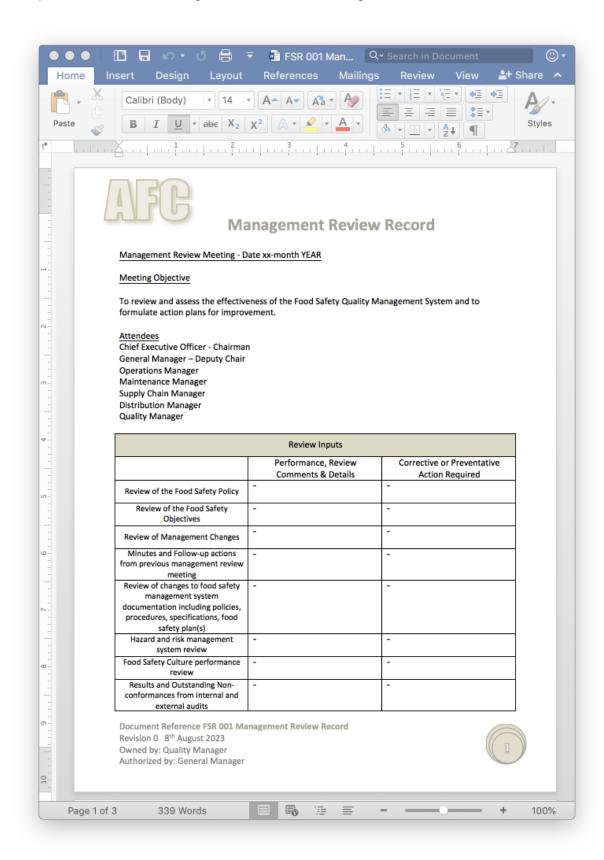
**Recommended Improvements** 

Customer feedback and Sales levels are reviewed to give an indication of trends A.O.B

#### Attendees:

Senior Management Team							
Job Title	Name	Role in Team					
Chief Executive		Chairman					
General Manager		Site Performance Reporting					
Operations Manager		Operations Reporting					
Quality Manager		Food Safety Reporting SQF Practitioner					
Planning Manager		Planning and Capacity Reporting					
Distribution Manager		Distribution Reporting					
Maintenance Manager		Services and Engineering Provision					
Finance Manager		Financial Reporting					
Human Resources Manager		Resource reporting					

# Template FSR 2.1.2 Management Review Meeting Minutes



# SQF Food Safety Management System Implementation Workbook

# Use the SQF Code Self-Assessment Checklists to assess your Food Safety Management System

We recommend that the SQF Practitioner carries out a pre-certification audit to ensure that you are satisfied that your food safety management system meets the requirements of the SQF Code. The SQF Practitioner should read the relevant section of the SQF Code and assess if you are compliant, making notes on the checklist.

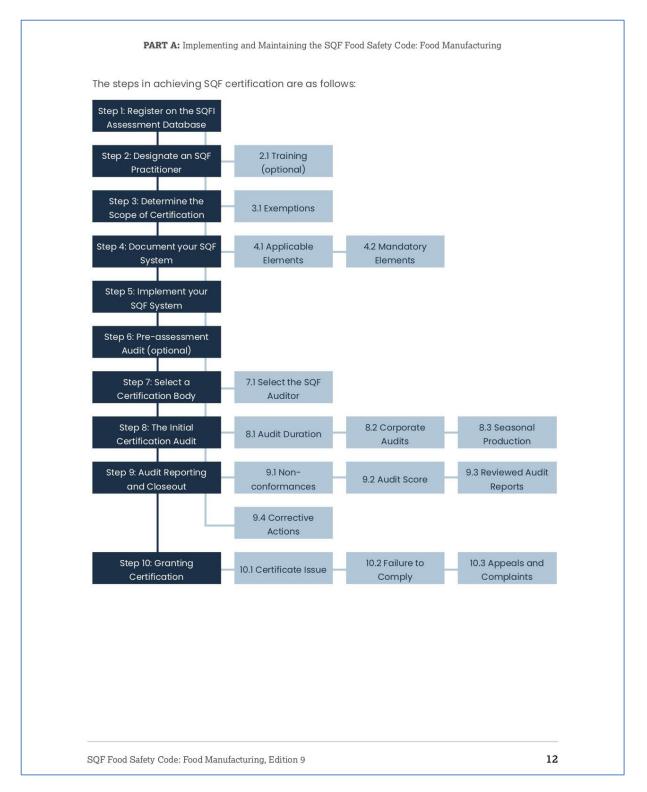
# Ensure any areas requiring corrective action are addressed

The non-compliances identified in the final self-assessment of compliance with the SQF Code should be logged by the Food Safety Team Leader and the appropriate corrective action allocated and taken:

Date	SQF Code Section	Details of Non- Conformance	Identified by:	Corrective Action Required	Responsibility	Target completion Date	Date Completed

To ensure you are have the latest available guidance, refer to steps 6 to 10 in PART A: Implementing and Maintaining the SQF Food Safety Code: Food Manufacturing

# A2: Steps to Achieving SQF Certification (steps 1 – 10)



Finally, a reminder, this package comes with free technical support, use https://tcisys.com/contact form if you have any questions