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# PURPOSE

This standard is one of five Environmental and Occupational Safety & Health Management System (ESH MS) standards that constitute the ESH Management System for TI’s manufacturing.

# SCOPE

The provisions of this standard apply to all TI employees, suppliers, vendors, and visitors at TI manufacturing sites worldwide.

# reference documents

# TI SP&P 04-04-01 Environment, Safety and Health

# TI SP&P 04-07-04 Records Retention

# ISO14001:2015 International Standard on Environmental Management System

# ISO45001:2018 International Standard on Occupational Health and Safety Management System

# TI ESH Standard 20.10 ESH Roles & Responsibilities

# Definitions

[TI ESH Standards Glossary of Definitions](https://sps01.itg.ti.com/sites/wwf/esh/standards/Knowledge_Bank/Forms/AllItems.aspx)

ISO 14001:2015 (Terms)

ISO 45001:2018 (Terms)

# Requirements

# CONTEXT OF THE ORGANIZATION

The following is a list of the external and internal issues that are relevant to our organization’s purpose that may affect our ability to achieve the intended outcomes of our ESH MS. These issues include ESH conditions being affected by or capable of affecting the ESH MS and take into consideration various political, economic, social, technological, and legal concerns.

### External Issues:

#### Regulatory and compliance environment (existing and upcoming regulations, laws, etc.);

#### Governmental enforcement at all levels (national, state, city, etc.);

#### Community concerns (ESH impacts, resource conservation, etc.);

#### Associational commitments (SIA, SESHA, IEEE, etc.);

#### ESH impacts of operations;

#### Economic growth or contraction;

#### Worker availability and competency;

#### Technology advances (ESH controls, new materials, etc.);

#### Customer Expectations;

#### Investor expectations.

### Internal Issues:

#### Management support;

#### Operational priorities;

#### Equipment (manufacturing and support);

#### Other infrastructure related to ESH systems;

#### Personnel training and competency;

#### Capital and expense funding.

# NEEDS AND EXPECTATIONS OF INTERESTED PARTIES

### The following are the interested parties that are relevant to the ESH management system, and the list of their respective needs and expectations:

* + - * **Customers -** products with minimal ESH impact; product life cycle considerations such as conflict-free minerals and low impact from transportation; hazards to be controlled from safety and ESH incidents;
			* **Workers/Families** - the company to maintain ESH compliance; work areas to be safe and potential hazards controlled; management to be knowledgeable, involved, and supportive of ESH processes; training to be provided to ensure competency and knowledge of requirements; resources to be provided as needed to maintain the ESH MS;
* **Management/Leadership** - employees to be trained and competent; employees to follow ESH standard and regulatory requirements; to be provided with information needed to help provide direction and leadership of the MS;
* **Neighbors** - limited natural resource usage; minimal ESH impact; regulatory compliance; support to the community;
* **Stockholders** - management and employees of company to maintain regulatory compliance; image of the company to be upheld; transparency and accuracy of ESH data and reporting;
* **Regulatory Agencies** - ESH regulatory compliance in all areas including permitting licensing requirements; positive working relationships and obligations for our enterprise including national, regional, state and local regulatory requirements, permits, rules, etc.
* **Emergency Planning** – TI to participate and collaborate with local and regional emergency response agencies.
* **Multiple Parties** - TI to be a leader in ESH by maintaining commitments such as participation in the Responsible Business Alliance (RBA) and the Semiconductor Industry Association (SIA), as well as being transparent and socially responsible through means such as providing information through the annual Corporate Citizenship Report (CCR).
* **Non-Governmental Organizations (NGO’s)** – Interests among NGO’s may vary depending on focus, but typically arise from political, socioeconomic, environmental, safety and health or other pursuits. Needs and expectations include wanting TI to provide information, join, subscribe, contribute or otherwise support to a certain cause or movement.
* **Academia** – Academic Institutions are interested in technical and monetary support. Students who may work for TI temporarily as selectees for internships or other special projects, including research are interested in technical guidance and support of various projects.

# SCOPE OF THE ESH MANAGEMENT SYSTEM

The environmental and occupational safety and health management system (ESH MS) is a multi-site activity with its central function (Headquarters) located in the World Wide Environmental, Safety and Health and Manufacturing Site Compliance organization. The geographical scope encompasses all the manufacturing sites listed in Appendix A. The sites may have individual ESH MS scope statements which include all activities, products and services on site within the site’s control or influence except those specifically mentioned as “excluded”, such as non-manufacturing organizations.

# MANAGEMENT SYSTEM

### The TI ESH Management System (MS) is made up of five TI ESH Standards that are intended to describe the core elements of the management system for the enterprise, their interactions, and provide direction to related corporate-level and site-level documentation.

### The MS documentation has been divided into five parts to enable improved manual management and ease of understanding. Consistent with TI’s ESH policy, the intended outcomes of the ESH management system include continual improvement of ESH performance, fulfilment of compliance obligations and achievement of ESH objectives.

### TI has considered the knowledge gained in evaluating the context of the organization and the needs/expectations of interested parties in the establishment of the ESH MS.

### The WWESH & MSC Organization has responsibility for establishing, implementing, maintaining and continually improving the corporate level (Tier I) ESH MS.

### Site responsibilities include the maintenance of documentation in support of the requirements listed in this MS.

# LEADERSHIP

### Leadership and Commitment

### Top management shall demonstrate active and proactive leadership and commitment with respect to the ESH management system by:

* + - * Taking overall responsibility and accountability for the effectiveness of the ESH MS;
			* Ensuring that the ESH policy and ESH objectives are established and are compatible with the strategic direction and the context of the organization;
			* Ensuring the integration of the ESH MS requirements into the site's business processes;
			* Ensuring that the resources needed for the ESH MS are available;
			* Communicating the importance of effective ESH management and of conforming to the ESH MS requirements;
			* Ensuring that the ESH MS achieves its intended outcomes;
			* Directing and supporting personnel to contribute to the effectiveness of the ESHMS;
			* Ensuring and promoting continual improvement;
			* Developing, leading and promoting a culture in the organization that supports the intended outcomes of the ESH MS;
			* Supporting other relevant management roles to demonstrate their leadership as it applies to their areas of responsibility.

### Additional roles, responsibilities and authorities are further outlined in TI SP&P 04-04-01 and TI ESH Standard 20.10.

# ENVIRONMENTAL, SAFETY & HEALTH POLICY

Texas Instruments Incorporated is committed to:

* + - * Safe and healthy working conditions.
			* Protection of the environment.
			* Fulfillment of our compliance obligations.
			* Assessment and reduction of ESH risks.
			* Continual improvement of its operations.

This commitment includes the involvement of leadership, consultation and participation of employees, and the setting and tracking of relevant objectives for TI operations.

### A signed, electronic copy of this ESH Policy will be maintained by WWESH.

### The policy shall be reviewed as needed and documented by WWESH.

### Site responsibilities include:

#### Maintaining the policy in the site’s respective native language;

#### Communicating the policy within the organization;

#### Making the policy available to interested parties including suppliers and visitors;

#### Reviewing the policy to ensure effectiveness and providing feedback to WWESH as needed.

# Environmental, Safety & Health Principles

The following ESH principles have been established to supplement and support the ESH Policy.

### Leadership and employee commitment and accountability: Employees at all job levels are held accountable for compliance with ESH requirements, and achievement of continual improvement objectives and targets appropriate to their function. TI makes environmental, safety and health protection of our workers and the communities in which we operate a top priority. We embrace our responsibility and accountability for the outcomes of our operations.

### Risk assessment of activities and processes: TI assesses in advance the potential impact of our activities on the safety and health of our employees and the environment. These assessments and actions to reduce and control ESH risks are an ongoing aspect of our operating processes. Operations are conducted in compliance with applicable laws, regulations and other requirements.

### Natural resources, water and energy stewardship: TI’s goal of zero wasted resources fosters the sustainable use of natural resources, the efficient use of water, energy and raw materials, and the prevention of pollution. TI works to reduce greenhouse gas emissions in manufacturing processes, and evaluates the impact of potential climate-related risks in business strategy, planning and operations to safeguard TI’s long-term business resilience.

### Emergency preparedness: TI is prepared for emergencies that could impact our operations, the environment, or the safety and health of employees and communities in which we operate. Where feasible, TI works closely with local emergency agencies and provides leadership to assist our local communities to improve their emergency preparedness capabilities.

### Product stewardship: TI responsibly manages the potential impact of our products on human health and safety, and the environment through product life-cycle consideration and other activities. Our energy-saving product portfolio uses cutting edge innovation to support our customers’ efforts to use resources in the most efficient way while mitigating climate impacts. TI complies with applicable product-related regulations and meets agreed-upon customer requirements.

### Supplier and contractor relationships: Long-standing partnerships with suppliers and contractors help ensure the suppliers’ compliance with applicable regulations and TI ESH policies, standards and specifications, including TI’s Chemical and Material Control Specification. We collaborate with our suppliers to provide the best solutions in order to meet material and regulatory requirements as well as best practices.

### Public information and influence on public policy: TI promotes an open dialogue with our workers and the communities in which we operate. We work constructively with governments, the scientific community, and industry and public interest groups to help develop sound laws, regulations and guidelines for continuous improvement in environmental safety and health, while promoting useful products and global competitiveness.

# ESH ROLES, RESPONSIBILITIES & AUTHORITIES

Top management shall ensure that the responsibilities and authorities for relevant ESH roles are assigned and communicated within the organization and shall be carried out in accordance with TI SP&P 04.04.01 and TI ESH Standard 20.10.

### Top management shall assign the responsibility and authority for:

#### Ensuring that the ESH MS conforms to the requirements of the International Standards;

#### Reporting on the performance of the ESH MS.

### [Job Descriptions](https://infolink.ti.com/cgi-bin/HR/career/Radford/radford.cgi) (maintained by Human Resources) further define TI company responsibilities by job code or job description.

### WWESH responsibilities include:

#### Providing liaison to the third-party Registrar for enterprise-wide certification;

#### Providing oversight and coordination for Registrar Audits of TI’s ESH MS;

#### Managing the corporate-level ESH MS, as noted in 5.4.4, and reporting to management on the performance of the ESH MS for review, including recommendations for improvement.

### Site responsibilities include:

#### Ensuring ESH roles, responsibilities and authorities at the site level are identified and documented.

# Consultation and participation of workers

Sites shall have processes for consultation and participation of workers at all applicable levels and functions, and, where they exist, workers’ representatives, in the development, planning, implementation, performance evaluation and actions for improvement of the ESH MS.

Sites shall:

### Provide processes necessary for consultation and participation. Area or module representation can be a mechanism for consultation and participation.

### Provide timely access to clear, understandable and relevant information about the ESH MS;

### Determine and remove obstacles or barriers to participation and minimize those that cannot be removed;

### Emphasize the participation and consultation of non-managerial workers, for example, in areas such as compliance activities; goal setting; incident investigations; continual improvement activities; training needs; communications; and other key areas of the ESH MS.

# sTANDARD aPPROVAL

This has been approved by Zane Broadhead, TI Vice President.

# Revision history

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Rev#** | **Date** | **Nature of Revision** | **Author/Editor** | **Approver** |
| A | 8/22/2017 | New Standard | Gilmore/Moore | ELC |
| B | 4/17/19 | Addition of ISO 45001 requirements and considerations | Gilmore/Moore | ELC |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

appendix A

***Note***: **This specification may change at any time. Do not use a printout for future reference without confirming the latest revision date on TI's Intranet** [**ESH Standards Index**](file:///C%3A/Users/a0457733/default.aspxnt)**.**

The following buildings and sites are included in the Worldwide ESH Management System:

WWESH & MSC HQ

DMOS6, Dallas, TX

DMOS5, Dallas, TX

SC Building, Dallas, TX

South Building, Dallas, TX

RFAB, Richardson, TX

South Portland, Maine

Aguascalientes, Mexico

Chengdu, China

Freising, Germany

Aizu, Japan

Miho, Japan

TITL- Site 1, Taipei, Taiwan

TITL – Site 2, Taipei, Taiwan

Kuala Lumpur, Malaysia

Melaca, Malaysia

Baguio, Philippines

Clark, Philippines