System Safety
Technical Discipline Team Charter

Purpose

This charter defines the role, responsibilities, membership, and general conduct of operations for the System Safety (SS) Technical Discipline Team (TDT).

The TDT Role

The TDT is a technical resource that will support the Office of Safety and Mission Assurance (OSMA), NASA Safety Center (NSC), and NASA Centers in matters pertaining to SS engineering and related functions. In addition, this TDT supports the SS Technical Fellow in various matters pertaining to SS engineering and ancillary disciplines. Specifically, the TDT is to provide SS technical support to the following customers:

- OSMA,
- NSC Technical Excellence Office (TEO),
- NASA Engineering and Safety Center (NESC),
- NASA Safety and Mission Assurance (SMA) organizations, and
- NASA program and project engineering/offices.

In addition, the SS TDT shares knowledge, promotes learning and communicates information about SS activities. The SS TDT is to provide, but it is not limited to providing:

- A conduit for information sharing and policy recommendation between the NSC, OSMA, and NASA centers,
- A sounding board for agency System Safety policy and OSMA investments in SS initiatives,
- Input into the continuous improvement of both the SS policy and implementation of that policy,
- A means to identify and promulgate best practices that can assist NASA centers to apply and flow down SS policy to programs and projects and to the center as an institution,
- The methods to increase awareness and promotes SS across the Agency and the various NASA centers,
- A community which can aid and provide support to individual practitioners, and
- SS collaboration efforts (design, quality engineering, PRA, logistics, etc.).

The TDT Leadership

The NASA System Safety TDT will be chaired by the NSC SS Technical Discipline Technical Lead (TDTL). The chair will ensure meeting preparation, efficiency, and follow up on actions. The NASA SS Technical Fellow will serve as a Technical Advisor. The NASA SS TDT will be supported by ancillary disciplines as determined necessary by the SS TDT leadership, membership, or its customers.

SYSTEM SAFETY TDT Membership

The System Safety TDT will be composed of representatives from each NASA center Safety and Mission Assurance (SMA) Directorate with experience, knowledge, skills, and capabilities in

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System Safety activities as applied to NASA missions and programs. The membership is a mix of system safety practitioners, Chief Safety Officers (CSOs), and Mission Assurance Managers (MAMs). A list of points of contacts is provided in Attachment A "System Safety TDT Membership" to this charter.

SS TDT Members' Responsibilities

Each team member is expected to:

- Be a recognized SS discipline practitioner and expert,
- Have a working knowledge of current Agency policy, requirements, and discipline best-practices,
- Participate with a minimal investment of their time (or their designee) to the TDT activities,
- Support SS issues, independent assessment, and other SS ongoing activities at the various NASA Centers and the Agency,
- Support evaluating the Agency State of SS activities,
- Identify discipline position-based performance requirements and expectations,
- Support the STEP activities and be an active player in discussions concerning the effectiveness of the STEP techniques for curriculum content delivery,
- Identify new training requirements based on the STEP curriculum,
- Represent their Center on SS discipline curriculum matters and communicate STEP SS discipline progress and activities to their management, and
- Promote SS curriculum and STEP program outside of SMA and among contractors.

System Safety TDT Operating Environment

As a minimum, the NASA System Safety TDT will meet face-to-face once annually. Regular meeting will be held using teleconferencing or equivalent by the most effective and efficient means within time and budget constraints for accomplishing assigned tasks.

Applicable and Best-practices Documents

NPD 8700.1, *NASA Policy for Safety and Mission Success*

NPR 8715.1, *NASA Safety and Health Program*

NPR 8715.3, *NASA General Safety Program Requirements*

NASA/SP-2010-580, *NASA System Safety Handbook, Volume 1: System Safety Framework and Concepts for Implementation*

NASA/SP-2014-612, *NASA System Safety Handbook, Volume 2: System Safety Concepts, Guidelines, and Implementation Examples*

MS Sharepoint *NASA System Safety (SS) Technical Community* System Safety Technical Discipline Team - Home (nasa.gov)

Attachment A

SYSTEM SAFETY TDT Membership		
Member	**Role**	**Affiliation**
Diane Koons	Chair, NSC SS TDTL	NSC
Homayoon Dezfuli	Technical Advisor, SS Technical Fellow	OSMA
Thomas Frattin	Technical Consultant	KSC
Richard Morrison	TDT Member	ARC
Kimberly Ennix-Sandhu	TDT Member	AFRC
Maria Havenhill	TDT Member	GRC
Lauren Clayman	TDT Member	GRC
John Rauscher	TDT Member	GSFC
Cami Vongsouthy	TDT Member	JPL
Afsheen Vaid	TDT Member	JPL
David Lucero	TDT Member	JSC
Wade Bostick	TDT Member	JSC
William Dawson	TDT Member	KSC
Russell Harper	TDT Member	KSC
KC Johnson	TDT Member	LaRC
Timothy Hemken	TDT Member	MSFC
John Crisler	TDT Member	MSFC
M. Frank Olinger	TDT Member	SSC
Christina Zeringue	TDT Member	SSC