

Simplified Technical English (STE)



Shipbuilding | Nuclear | Diesel | Maintenance | Logistics | Training | Operation

What is Simplified Technical English?

Simplified Technical English (STE) is a global standard to write Component Maintenance Manuals (CMM). The ASD-STE100 standard has a basic vocabulary of approximately 1,000 *core* words to write simplified maintenance procedures for air, land, sea, space and rail vehicles.

The SMART team uses text mining to add a curated technical vocabulary to describe hull fabrication and ship operations. The use of STE removes ambiguity and makes instructions clear, concise and easy to understand. STE is required for S1000D and ATA iSpec 2200 (aircraft) documentation.

The restricted grammar rules and controlled vocabulary standardize terminology and remove engineering-ese. This process improves the quality of documentation and makes technical training easier, faster and more effective for users who have Limited English Proficiency (LEP).

Advantages of Simplified Technical English

- Prevents human error caused by incorrect information.
- Controls design terminology for AUKUS members.
- Monitors content for ITAR and EAR compliance.
- Improves skills training and workforce development.
- Meets US Navy regulations for documentation.
- Meets S1000D standards for military users.

The Company

Smart Communications, Inc., has 20 years experience in the development of Artificial Intelligence software and electronic publishing. The SMART team is a leading supplier of AI software for global Aerospace and Defense, including the US Navy, Royal Navy and Royal Australian Navy.



The Starter Kit includes one MAXit license, Writer's Guide, STE core and one technical dictionary. The starter kit is ideal for proof-of-concept.

Visit: <https://www.smartny.com/SimplifiedEnglish.html>

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What is the MAXit Checker?

An AI-powered plug-in for the publishing systems shown below. MAXit has 19,000+ AI rules (*inferences*) that check English grammar, vocabulary, syntax, usage, style and data quality for S1000D compliance. MAXit can check and edit-in-place .xml and .dita formats. Full S1000D or .dita format compliance.



Versions of the MAXit Checker

- Microsoft Word (Add-In for Word)
- Adobe FrameMaker (Plug-in for 10.0 to 2022)
- PTC Arbortext Editor (Plug-in for 6.x to 8.x)

Ask us about our API for integration to other publishing systems. Contact sales@smartny.com for licenses, services and costs.



An easy-to-use tool to manage the dictionaries for MAXit. SMART offers **Text Mining** services for rapid development of naval submarine dictionaries.

Example before and after (MAXit uses color codes for errors):

The submerged full power run with an ahead flank bell is **to be terminated** with a back emergency bell, **consistent with current** Main Propulsion Operating Limits (**shaft torque is not a limiting factor in this test**).

The **duration** of the back emergency bell **will be limited to** 45 seconds, to be followed **immediately by an appropriate** ahead bell.

(Original 58 words)

After a submerged full-power run stops, an emergency back bell activates for 45 seconds, followed by the ahead bell.

The full-power run stops when the engine reaches the safety limits for the Main Propulsion Operating Limits.

STE

(STE Version 37 words)

Submarine Shipbuilding • Nuclear • Diesel • Sea Drones



The aerospace STE version is described at www.smartny.com/SimplifiedEnglish.html.