What is Simplified Technical English?

ASD-STE100 Simplified Technical English (STE) is a global standard to write ***technical publications*** for Air, Land, Sea, Space and Rail vehicles. The standard has approximately 1,000 *core* words and simple grammar rules.

STE Starter Kit for Drones

The SMART aerospace team created a *starter* technical vocabulary for **uncrewed drones**. This custom dictionary includes standardized drone terminology for manufacturing, maintenance, logistics and drone operator training.

The **Starter kit** includes an allowance for text mining to add unique terms, abbreviations, signal names and part names to supplement the STE *core*. A **MAXit** *reverse* dictionary identifies unapproved words and shows the approved STE terms for the *edit-in-place* feature.

MAXit Checker for STE

The **MAXit Checker** uses AI rules (*inferences*) and the STE standard to help writers create content that is clear, concise and *easy-to-understand*. The kit includes an introductory STE webinar for writers, taught by our experts.

Advantages of STE

- Minimizes human errors caused by incorrect information.
- Eliminates rework caused by ambiguous instructions.
- Standardizes global terminology and identifies confusing military abbreviation, acronyms, example UCAS, UAV.
- Assists readers with Limited English Proficiency (LEP)
- Improves skills training and workforce development.
- Assists with STEM education and employee onboarding.
- Creates documentation that is ideal for AI translations.
- Makes of prompts more accurate.

The Company

Smart Communications, Inc., New York City, has 20 years of experience in Artificial Intelligence and Natural Language Processing (NLP). The company is a leading supplier of S1000D and STE tools to the global Aerospace and Defense market. SMART software is made in the USA.

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What is the MAXit Checker?

An AI-powered plug-in for the publishing systems shown below. **MAXit** uses approximately 19,000+ rules (AI *inferences*) that check grammar, vocabulary, syntax, usage, style, and data quality. **MAXit** has a unique *edit-in-place* feature to navigate .xml <tags> and S1000D formats.

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)*
- JustSystems XMetaL *(Plug-in for XMetaL)*

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

SMART Lexicon Manager

This tool lets users add new terms in seconds and manages the custom dictionaries for **MAXit Checker**.

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

The SC is a commercially used (aviation) digital controller and requires 28 VDC input power for operation. The SC consists of two conformal-coated circuit cards (I/O CCA A1 and CPU CCA A2) which utilize through-hole and surface mount technology, an Interconnect A3 board, and two I/O connectors (mil-type) which provide the electrical interface (including ARINC 429 and RS-422). The three CCA are housed in an aluminum-alloy chassis which is ambient-cooled and vertically shock-mounted in the FEC of the aircraft (right side), aft of the main hatch. The SC is approximately 9 by 7 by 3 inches and weighs approximately 4 lbs.

The System Controller (SC) is a digital controller that receives 28-VDC input power.

The SC includes these items.

- I/O Circuit card CCA A1 and CPU CCA A2. They use through-hole surface-mount technology.
- Interconnect A3 circuit card.
- Two I/O connectors that use ARINC 429 and RS-422.

STE

The three circuit cards are in a compartment on the right side of the aircraft, aft of the main hatch. The SC is 9 x 7 x 3 inches (23 x 18 x 8 cm), weight 4 lbs. (1.8 kg).

S1000D Technical Documentation

Complexity | Simplified

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