



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 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 AI prompt responses more accurate and precise.

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.

SMART
COMMUNICATIONS, INC.
www.smartny.com

641 Lexington Ave, 13th Floor,
New York, NY 10022 USA
Tel: +(212) 486-1894 -5 GMT
Email: info@smartny.com

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, data quality and style. **MAXit** has a unique *edit-in-place* feature to navigate .xml 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.



**Lexicon
Manager**

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

This example text is from a US drone maintenance manual. The MAXit Checker uses AI rules and color codes to mark errors. Curious? Ask our STE experts to explain the colors and 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.

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

