

Simplified Technical English

A Global Language for Aerospace Maintenance
ASD-STE100/ATA 2200/S1000D

MAXit Checker

AI Software for
ASD-STE100 Compliance

What is Simplified Technical English?

Simplified Technical English (STE) is a global standard to write Component Maintenance Manuals. The ASD-STE100 standard has a basic vocabulary of 988 *core* words to write **procedures** for air, land, sea, space and rail vehicles.



The STE standard includes a set of grammar rules to write *simplified instructions* for engines, avionics, cabin interiors, flight controls on aircraft, drones and helicopters. The use of STE is part of S1000D and ATA iSpec 2200 specifications.

Manufacturers add their company product terminology to create a custom technical dictionary.



A key benefit of **Simplified Technical English (STE)** is the prevention of expensive human errors during maintenance. STE is suitable for service bulletins, Task Cards, Maintenance Manuals (CMM), training materials, IETMs, AI prompts, Aug. Reality (AR) and MRO.

The Company

Smart Communications, Inc., New York, is an AI boutique for linguistic and *Artificial Intelligence* software. The SMART software helps technical writers create materials that comply to ASD-STE100, S1000D, iSpec 2200, ICAO, ITAR, NATO, Military, FAA, EASA and other global regulatory agencies.

SMART STE Software Tools and Services

- **MAXit Checker** software has rules that comply to the **ASD-STE100** standard (Issue 9, January 2025).
- **Text Mining** services to rapidly develop dictionaries.
- **Lexicon Manager** to manage custom dictionaries.
- **Starter Kit** that includes a basic aerospace dictionary.
- **Synonym Dictionary** that shows the correct terms.
- **File Conversion Services** to convert Word .docx files into .xml or .dita.
- **Writer's Guide** with many examples for simplification.
- **Writer Training** classes by Internet (TEAMS) or on-site.

The SMART team has 20+ years of experience in Technical Publications. Our experts know how to write STE, develop XML applications, IETMs and comply to S1000D formats. Some of our clients include DeltaHawk, Safran, Textron Aviation, Northrop Grumman, RTX and BAE Systems.

SMART
COMMUNICATIONS, INC.

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

Contact maxit@smartny.com
for a Starter Kit, license costs,
services and STE questions.

The **MAXit Checker** makes the writing of aircraft Component Maintenance Manuals (CMM) in STE *faster and easier*. The program uses *artificial intelligence*, curated dictionaries and approximately 19,000 AI rules to check English grammar, syntax, usage and style.



The **SMART Lexicon Manager** makes maintenance of the custom dictionaries easy. **SMART** offers **Text Mining** services for rapid development of custom dictionaries.

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) |

The **specific** location (position number) of the **CWAP** will be defined by the **discrete** input states based on cable wiring to the J3 connector **inputs** on pins 1 through 4 in Table 2.

The input to connector J3 controls the position number of each Cabin Wireless Access Point (CWAP).
Table 2 shows the input on pins 1, 2, 3 and 4.



Shown above is an example of a complex maintenance instruction, rewritten in STE, with the assistance of the **MAXit Checker**. The writer clicks a color to get *curated* STE suggestions and corrections.



How to order a MAXit Starter Kit

Smart Communications, Inc., offers a Starter Kit that includes one MAXit License, Writer's Guide, STE and Aerospace dictionaries. Ideal for company Proof-of-Concept.

- Request a **MAXit Starter Kit**: maxit@smartny.com
- SMART provides 60 days of email support.
- SMART offers Text Mining services to expand the dictionaries.
- SMART offers flexible-schedule writer training for STE.
- Discounts on additional licenses after purchase of the Starter Kit.
- Questions, demo requests and cost quotations welcomed.



**Simplified Technical English
for Aerospace Documentation**