

# 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 specification to write Component Maintenance Manuals. The ASD-STE100 dictionary has a foundation of 988 *core* words to write **procedures** for air, land, sea, space and rail vehicles.

 The STE specification defines the grammar and rules to create simplified instructions for engines, avionics, cabin interiors, flight controls on large aircraft, drones and helicopters. STE is part of S1000D and ATA iSpec 2200 specifications. Manufacturers can add their company terminology to create a custom dictionary.

A key benefit of the use of **Simplified Technical English** is a reduction of errors made during maintenance. STE is ideal for service bulletins, work cards, Component Maintenance Manuals (CMM), training materials, IETMs, AI prompts, Augmented Reality (AR) and MRO systems.



## The Company

Smart Communications, Inc. New York, is a leading supplier of linguistic and *Artificial Intelligence* software. The SMART software helps technical writers create STE materials that comply to 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-STE dictionary and specification (April 2021, latest).
- **Text Mining** services to rapidly develop dictionaries.
- **Lexicon Manager** to manage custom dictionaries.
- **Starter Kit** that includes the aerospace dictionaries.
- **Synonym Dictionary** that shows the correct terms.
- **File Conversion Services.** SMART offers services to convert Word .docx files into .xml or .dita.
- **Writer's Guide** with many examples for simplification.
- **Writer Training** classes by Internet 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. Our clients include Safran Power, Textron Aviation, Northrop Grumman, RTX, Komatsu Mining and BAE Systems.*

**SMART**  
COMMUNICATIONS, INC.

641 Lexington Ave, 13th Floor,  
New York, NY 10022 USA  
Tel: +1(212) 486-1894 (-5 GMT)  
Email: info@smartny.com

Point of Contact:  
Contact [maxit@smartny.com](mailto: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.



Users can purchase a **Lexicon Manager** software to manage their technical dictionaries. **SMART** offers **Text Mining** services to quickly develop 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 7.x to 8.x*)
- RTX Eagle Publishing System (*Plug-in for ILS*)

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.

Table 2 shows the position number for the Cabin Wireless Access Point (CWAP). The input to the J3 connector calculates the position number. Refer to pins 1,2,3 and 4 shown in Table 2.

(MAXit shows errors in colors)

Shown above is an example of a complex avionics instruction, re-written in STE, with the assistance of the **MAXit Checker**. The writer clicks a color to get *curated* suggestions and corrections. The technical writer or editor always has the final word.



## How to order a MAXit Starter Kit

Smart Communications, Inc. offers a Starter Kit that includes one **MAXit License**, **Writer's Guide** and aerospace dictionaries. Ideal for company proof-of-concept.

- Request a **MAXit Starter Kit**: [maxit@smartny.com](mailto: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 to write STE.
- Discounts on additional licenses after purchase of the Starter Kit.
- Questions, presentations and cost quotes welcomed.



**Simplified Technical English**  
for Aerospace Documentation