

# 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 988 *core* words designed to write **maintenance procedures** for air, land, sea, space and rail vehicles.

The STE specification defines the grammar and rules to help writers create simplified instructions for manufacturers of engines, avionics, interiors, flight controls, fixed-wing aircraft, large drones and helicopters. The use of STE is part of S1000D and ATA iSpec 2200 specifications.

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

A key benefit of *Simplified Technical English* is a reduction of human errors made during vehicle maintenance. STE is ideal for service bulletins, work cards, Component Maintenance Manuals (CMM), training, IETMs, VR and MRO modules.



## 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).
- **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
- **MAXit File Converter**. A Remote Process Automation Tool to convert S1000D Word .docx to XML or DITA.
- **Writer's Guide** with many examples for simplification.
- **Writer Training** classes by Internet or on-site.
- **Unlimited support by email.**



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.



**Simplified Technical English  
for Aerospace Documentation**

## The MAXit Checker

MAXit makes the writing of aircraft Component Maintenance Manuals (CMM) in STE *faster and easier*. The MAXit program uses *artificial intelligence*, custom dictionaries and 22,000 AI rules for STE English grammar, syntax and style.



Users can purchase a **Lexicon Manager** tool to add and maintain a custom technical dictionary. SMART offers **Text Mining** services to develop custom dictionaries.

## Versions of the MAXit Checker

- Microsoft Word, Office 365 (*Add-In for Word*)
- Adobe FrameMaker (*Plug-in for 10.0 to 2022*)
- PTC Arbortext Editor (*Plug-in for 7.x to 8.x*)
- XmetaL Author (Justsystems) (*Plug-in for 15.x to 18.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.

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.

Rewritten in STE



Shown above is an example of a complex avionics instruction, rewritten in STE, with the assistance of the MAXit Checker. The writer clicks a color to get *curated* STE 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, 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 to write STE.
- Discounts on additional licenses after purchase of the Starter Kit.
- Questions, demo requests and cost quotations welcomed.

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