

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 (CMM). 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, seats, flight controls, 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 used for service bulletins, Task Cards, Component Maintenance Manuals (CMM), training materials, IETMs and MRO repair instructions.



The Company

Smart Communications, Inc., New York, is a developer for language engineering 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 global regulators.

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** has many STE examples.
- **Writer Training** classes by Microsoft 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.

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Click to Visit: [SMARTNY.COM](https://www.smartny.com)

Contact us to learn about
our AI tools for STE.
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The **MAXit Checker** uses AI to assist writers of aircraft maintenance manuals to use STE. The program uses *curated* dictionaries and has approximately 19,000 AI rules (*inferences*) to check English grammar, syntax, usage, style, data quality and compliance to the ASD-STE100 standard.



The **SMART Lexicon Manager** is an AI program to manage the custom dictionaries. 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*)

Mid Cabin Exit Door Plug - Operation

After the removal of the fuselage lining and the body insulation, remove the upper guide track bolts from the upper guide track fitting **then** remove the vertical movement arrestor bolt from the lower hinge guide fitting **while holding** the door **down** with a **suitable** force so the door does not move **during** the process.

Push the top of the door plug up **so that** the upper guide fittings **clear** the upper guide rollers. The lift assist spring **ensures that** the door plug will not **fall back** to the closed position. The door plug will stay in this position until a small **outboard** force is applied to the top of the door plug. When the force is applied, the door plug will fall to the open position. The two strap assemblies will **limit** the door plug **opening** to an approximate 15-degree angle.

737-9 SYSTEM DESCRIPTION SECTION - 52-23-00 MID-CABIN EXIT DOOR PLUG - OPERATION

1. Remove the passenger cabin lining and insulation (Ref.nn.nn.nn)
2. Remove the two bolts from the upper guide track assembly.
3. Remove the two movement arrestor bolts from the lower hinge assembly.
4. Push and hold the top of the door plug so that the upper guide assemblies move over the upper guide rollers.

Note: A spring keeps the door plug in position until a force is applied to the top of the door plug. The force moves the door plug to an open position. Two straps keep the door plug in position at an angle of approximately 15 degrees.

Shown above is the original text rewritten in STE. The writer clicks a **word shown in a color** to get a *valid* STE suggestion or correction.

How to order a MAXit Starter Kit

The Starter Kit includes one MAXit License, Writer's Guide, STE and Aerospace dictionaries. Ideal for Proof-of-Concept.
Visit: <https://www.smartny.com/SimplifiedEnglish.html>

- 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.