



What is Controlled English?

Controlled English (CE) is adapted from the aviation *Simplified Technical English* (STE) standard. The SMART team developed a basic automotive vocabulary of approximately 1,200 *core* words needed for automotive vehicle service and maintenance procedures.

The SMART team uses the SMART **Text Miner** to add curated technical terms for internal combustion, electric and autonomous vehicles. Early controlled languages were developed by Caterpillar and GM. Today, our Controlled English uses AI and the **MAXit Checker** to create content for all types of automotive service information.



This legislation requires easy-to-understand documentation for consumers, faster automotive diagnostics and dealer technical training.

Key Advantages of Controlled English

- Prevents human error caused by incorrect information.
- Standardizes global design and product terminology.
- Assists readers with Limited English Proficiency (LEP)
- Improves skills training and workforce development.
- Creates automotive documentation that is ideal for AI.
- Assists with STEM education and employee onboarding.
- Meets global SAE International automotive standards.

The Company

Smart Communications, Inc., has 20 years experience in the development of Artificial Intelligence software and Natural Language Processing (NLP). Projects include the development of **Ford Controlled English** (FCE) and **Komatsu Simplified English** for underground mining (electric).



The Starter Kit includes one MAXit license, Writer's Guide, Controlled English core and one technical dictionary. The starter kit is Ideal for proof-of-concept.

Visit: <https://www.smartny.com/ControlledEnglish.html>



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What is the MAXit Checker?

An AI-powered publishing tool that has 19,000+ rules (*inferences*). **MAXit** uses *edit-in-place* to check English grammar, vocabulary, syntax, .xml and .dita 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*)
- XMetaL Author (*Plug-in for 19.x*)

Ask us about our API for integration to other publishing systems. Contact maxit@smartny.com for licenses, services and costs.



Lexicon Manager

An easy-to-use tool to manage the dictionaries for **MAXit**. SMART offers **Text Mining** services for rapid development of automotive technology dictionaries.

Example *before* and *after* (MAXit uses color codes for errors):

Note: Power is available **whenever** the vehicle is considered “**awake**”. The vehicle may be **awake** for **many reasons**. For example, when **using** features such as Summon, or when features **such as** Cabin Overheat Protection, Keep Climate On, Dog Mode, Sentry Mode, **etc.** are enabled. The vehicle is also **awake whenever** the 12V battery **is being charged** or is in use, during **HV charging**, when the vehicle is **communicating** with the mobile **app, etc.** (82 words)

Note: Power is active when the vehicle is in use or activates these features.

- Summon, Cabin Overheat Protection, Keep Climate On, Dog mode or Sentry mode
- During the 12-volt HV battery charge procedure or when the vehicle communicates with a mobile application

C E

(CE Version 42 words)

Internal Combustion Engine • Electric • Autonomous • Robotaxis

Complexity | Simplified

