CONTROLLED ENGLISH

A Simplified English vocabulary to write clear, concise information for use in 150 countries.

SMART Communications, Inc., New York City, is a developer of *Artificial Intelligence* (AI) software. The SMART AI software assists technical writers to write clear, concise, simple documentation.

What is Controlled English?
The SMART Controlled English program is derived from ASD-STE100 **Simplified Technical English** (STE). STE is mandatory for all aircraft maintenance documentation to reduce human error caused by misunderstood English.

The SMART **Controlled English** (CE) vocabulary extends STE with a '*core*' English vocabulary of 1,200 words. The SMART linguists use **Text Mining** reports to identify and add unique product or service terminology. Most products or services are described in 5,000 to 8,500 terms, or 1% of the English language.

The key principle of Controlled English is **ONE WORD - ONE MEANING**. The simplified writing style, DITA format and controlled vocabulary make English instructions *easier to read* and *understand* in 150 countries.

Controlled English is ideal to write technical manuals for heavy machinery, software documentation, oil and gas, medical devices, maritime, pharmaceuticals, semiconductors, banking and insurance.

The **MAXit Checker** uses **Artificial Intelligence** for text analysis. The **MAXit** software has 16,000 *Artificial Intelligence* rules to assist the writers to create technical information in Controlled English.

The **MAXit Checker** includes a *Text Quality Control* function that creates a *Six Sigma* score. This function guides the writers to create the highest quality documentation for a global audience.

The Results ...
When the **MAXit Checker** monitors text for **Controlled English,** the texts are clear, concise, consistent, easy to understand and translate. The benefits include improved *customer satisfaction* and cost savings through avoidance of human error.

MAXit Checker is available for these tools:
* Adobe FrameMaker 9.0 to 2020 (Plain and XML)
* Microsoft Word 2010-2019, Office 365
* PTC Arbortext Editor 5.4 to 8.1.
* JustSystems XMetaL Author (XML, DITA)
* SMART Application Program Interface (API)

Steps to Implement Controlled English

* **SMART Text Miner** software quickly discovers the terminology for a product or service.
* **SMART linguists** use the text mining reports to create these custom dictionaries: core, technical and synonym.
* **SMART Lexicon Manager** software maintains and manages the terminology in the custom dictionaries.
* **SMART Trainers** provide on-line or instructor-led writer training to teach writers the techniques to write in Controlled English.
* **SMART MAXit Checker** software guide the writes with suggestions and corrections to write in **Controlled English**.

The cost to implement a Controlled English program is less than a penny a word. Cost and time savings include:
   • Faster operator and technician training.
   • Reduced number of procedural and human errors.
   • Improved safety and risk management systems.

Examples of Controlled English

The original text (*italic*) and revised text rewritten in **Controlled English** for different subjects.

Replace 4 power controlled ground circuit capacitors on the main circuit board.
Replace the four capacitors on the main circuit board that control the ground circuit.

The AWS cloud consists of a multitude of servers.
Amazon Web Services (AWS) uses more than 100,000 servers for cloud computing.

After you've done completing Form 1040, hit submit.
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