

# SIMPLIFIED TECHNICAL ENGLISH AS THE BASIS FOR YOUR GLOBAL DOCUMENTATION NEEDS

7 OCTOBER 2021

Copyright © 2021 by Shufrans TechDocs. All rights reserved. All trademarks acknowledged.





# OVERVIEW

- 1. Why Simplified English?
- 2. What is Simplified English?
- 3. Industry case studies
- 4. STE for translation & localisation
- 5. Q&A.







- Do a task.
- Undertake a task.
- Perform a task







- · Carry out a task.
- · Be responsible for a task.
- · Oversee a task





- Execute a task.
- Realise a task.





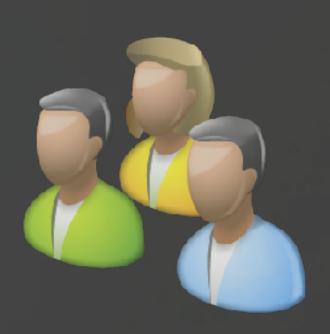






begins with your choice of words







Same rules, same words







Consistent user guides & manuals



Less rework & editing



One voice

# OVERVIEW

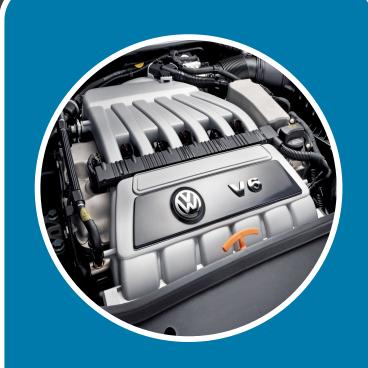
- 1. Why Simplified English?
- 2. What is Simplified English?
- 3. Industry case studies
- 4. STE for translation & localisation
- 5. Q&A.



# Concise & precise writing

"STE is an aerospace standard, or at least it started off that way. Given the success of STE, and its adaptability, it has been applied to various document types over time, and increasingly also in other (mainly technical) industries." - Shumin CHEN, Credible and Concise - Simplified Technical English, TCLoc Master, 2017.

# STE is cross-industry



#### Automotive

- Patria
- Rheinmetall MAN Military Vehicles
- Sandvik
- SEAT
- Volkswagen
- FNSS Defense Systems



#### Aviation

- Air Arabia
- Boeing
- Embraer
- Eurocopter
- FAA
- GMF AeroAsia
- Goodrich
- Lufthansa Systems
- Rolls-Royce



#### Electronics

- ABB
- Creative
- Huawei
- Philips
- Rohde & Schwarz
- Samsung
- Telecommunications
   Technology
   Association of
   Korea



#### IT & Security

- Check Point
- Cisco
- Microsoft
- Radisys
- Watchguard
- Gemalto



### Machinery

- Black & Decker
- Finn-Power
- HOMAG
- Shikoku Kakoki
- Tetra Pak



## RULE: 1.1 Choose the words from:

- Approved words in the Dictionary ("use")
- Words that qualify as Technical Names ("engine")
- Words that qualify as Technical Verbs ("ream")

### What is STE?

s developed by a whole committee: linguists, engineers, operators, manufacturers, MROs.

core vocabulary lets you write just ut everything you need for technical documentation.

Client-specific terms

Guidelines on choosing company- or product-specific technical names and verbs will be provided.

Consistency

Readability

Translatability

Quality

Ambiguities

Translations costs

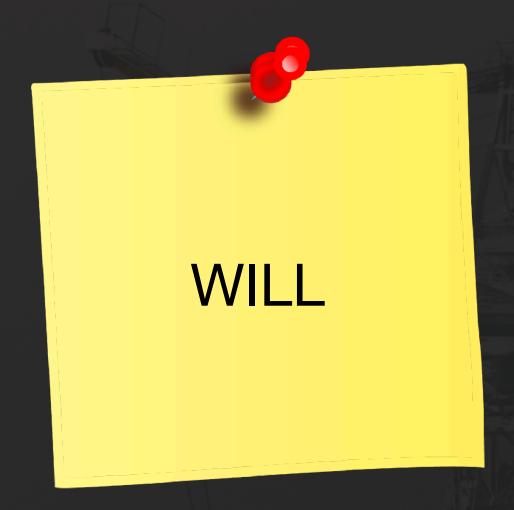
### What is STE?



need (verb)

the backing rings do not need to be replaced.

FIT IS NOT NECESSARY TO REPLACE THE BACKING RINGS.



want (verb)

de Identify the parts that you want to reinstall.

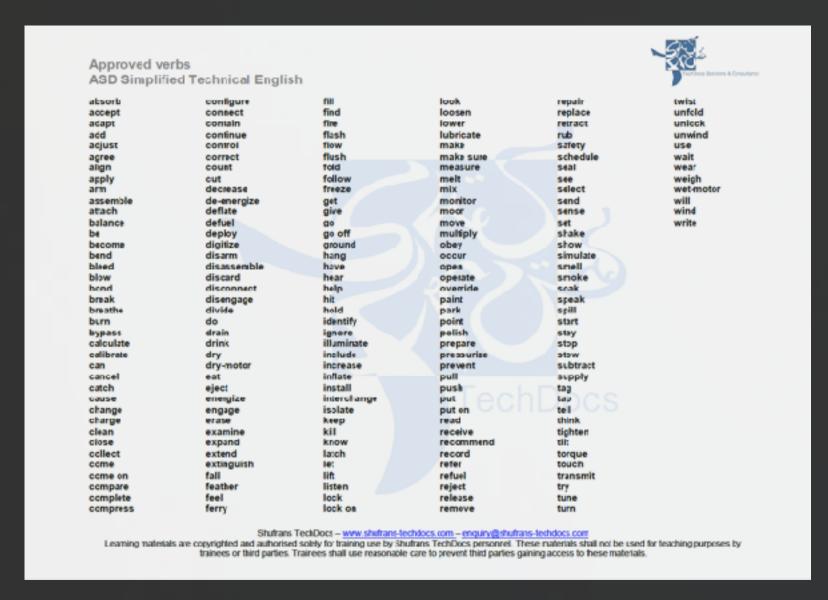
FIDENTIFY THE PARTS THAT YOU WILL INSTALL AGAIN.

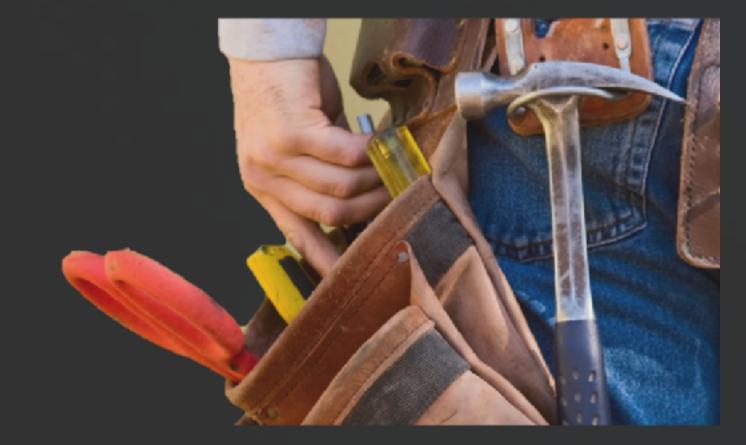
### Tools for decluttering the 'Standard' English vocabulary











### Problems with 'Standard' English

Keyword	Part of speech	Translation/Meaning
Notify	V	Уведомить
Encrypted	adj	Шифрованное
Determine	V	Определять
Remove	V	Удалять
USB flash drive	n	USB-устройство флэш-памяти
Eject	V	Извлечь
Unplug	V	Отсоединить от сети питания
Check	V	Проверять
Missing	adj	Недостающий
Complete	adj	В полном составе
Respond	V	Отвечать
Failure	n	Ошибка
Occur	V	Случаться, происходить
Persist	V	Повторяться
Run	V	Выполнять, запускать
Account	n	Учетная запись
Privilege	n	Права, привилегии
Greater	adj	Больше
Perform	V	Производить (действие)
Less	adj	Меньше
Password	n	Пароль

### A closer look

Keyword	Part of speech	Translation/Meaning
Notify	${f V}$	Уведомить
Determine	$\mathbf{V}$	Определять
Unplug	$\mathbf{V}$	Отсоединить от сети питания
Check	$\mathbf{V}$	Проверять
Complete	adj	В полном составе
Respond	$\mathbf{V}$	Отвечать
Persist	$\mathbf{V}$	Повторяться
Perform	$\mathbf{V}$	Производить (действие)

### Applying sound STE principles

<b>Keyword</b> A	Approved synonyms	Approved examples
------------------	-------------------	-------------------

Notify (v) KNOW, TELL IF..., LET THE CHIEF INSPECTOR KNOW

**Determine (v)** FIND, GIVE, SELECT

Unplug (v) DISCONNECT, PLUG (N) REMOVE THE PLUG FROM THE FUEL LINE.

Check (v) CHECK (N) DO A CHECK OF THE HYDRAULIC SYSTEM.

Complete (adj)

FULL, ALL, COMPLETE
(V)

...THREE FULL CYCLES. ..ALL TEST RESULTS

**Respond (v)** RESULT (N) ... DOES NOT GIVE A RESULT,...

Persist (v) CONTINUE IF THE FAULT MESSAGE CONTINUES, ...

Perform (v) DO DO THE LEAK TEST.

# OVERVIEW

- 1. Why Simplified English?
- 2. What is Simplified English?
- 3. Industry case studies
- 4. STE for translation & localisation
- 5. Q&A.





word

### **General Description**

Complex verb tense

The 14CM15 continuous miner is a <u>high capacity</u> machine designed for soft mineral applications. The machine is designed to be operated from a remote control station, but you can also initiate most machine functions using controls mounted on the machine.

> Unapproved Unapproved verb tense



The cutter motors are mounted perpendicular to the <u>center-line</u> of the boom frame. Each cutter motor is protected by a torque limiting clutch. Each cutter motor connects to the gear-case gearing with an internal torque shaft.

> Unapproved word

### **General Description**

The 14CM15 continuous miner is a <u>high capacity</u> machine designed for soft mineral applications. The machine is designed to be operated from a <u>remote control</u> station, but you can also <u>initiate</u> most machine functions <u>using</u> controls mounted on the machine.

The 14CM15 continuous miner is a high capacity machine used for soft mineral applications. Although the machine operates from a remote control station, you can also start most machine operations with the controls installed on the machine.

The cutter motors are mounted perpendicular to the <u>center-line</u> of the boom frame. Each cutter motor is <u>protected</u> by a torque limiting clutch. Each cutter motor connects to the gear-case gearing with an internal torque shaft.

The cutter motors are installed perpendicular to the center-line of the boom frame. Each cutter motor has a torque limiting clutch as protection. Each cutter motor connects to the gear-case gearing with an internal torque shaft.



### Lifting and Blocking

niners are shipped to the customer site either as a complete machine or in component sections, depending on customer preference, transportation weight restrictions, or size/weight restrictions at the mine site. When the machine arrives at its destination, it should be unloaded by experienced personnel.



Complex verb tense

### Lifting and Blocking

iners are <u>sent</u> to the customer either as a completed machine or in component sections when the <u>customer's requirements are different.</u> When the machine <u>gets to</u> its destination, <u>only</u> experienced personnel <u>can</u> move it

#### Hemingway Editor

Follow these general guidelines when lifting the machine:

Readability

- For a two-piece teardow between the cutter frame boom stops.
- For a two-piece teardow cylinder mounting pins, y chains around these pins
- Sling straps around the shear cylinders removed, to the bumper when lifting
- For multiple componer
   Blocking Diagrams in the

Obey these general guidelines when the machine is lifted:

- To remove the cutter boom, route the chain between the cutter frame and drums. Connect the chain to the cutter boom stops.
- To remove the shear cylinders, use straps around the lower shear cylinder mounting pins. and around the rear bumper. Do not use chains around the cylinder mounting pins.
- To remove more than two components, refer to the Lifting and Blocking Diagrams in the *Parts Manual*.

### Hemingway

#### Readability

#### Grade 6

Good

Words: 76

Show More ▼

- 0 adverbs. Well done.
- 1 use of passive voice, meeting the goal of 2 or fewer.
- o phrases have simpler alternatives.
- 2 of 8 sentences are hard to read.
- of 8 sentences are very hard to read.

Backing up and recovering data of Exchange clusters

### Original:

"XXX Backup & Recovery 11 for Microsoft Exchange Server provides protection for the clustered data regardless of its placement within the cluster."

#### STE:

"The software gives protection for all clustered data, also if the data changes its location in the cluster."

Backing up and recovering data of Exchange clusters

### Original:

"This means that even if the data being backed up changes its location within the cluster (for example, if mailbox role is moved to another server due to a switchover or a failover),"

#### STE:

"For example, if the mailbox role moves to a different server."



Backing up and recovering data of Exchange clusters

### Original:

"the software will track all relocations of this data and safely back it up."

#### STE:

"The software records all relocations of this data and creates a correct backup."



Backing up and recovering data of Exchange clusters

### Original:

"Cluster-wide protection is useful **in the event** some of the cluster nodes go offline, **unless** the backed up data becomes **completely** unavailable, or **backup plan configuration explicitly prohibits** the protection to run on the remaining nodes (if you select **to back up** only the selected node, for example)."

#### STE:

"Cluster-wide protection is useful **when** some of the cluster nodes go offline and the backup data is available. Cluster-wide protection is not useful when the **configuration does not let** the protection operate on the other nodes. For example, if you only **make a backup** of the selected node."

"The alarm system is to be function tested for ability to provide general alarm, toxic gas alarm, mustering alarm and PA messages throughout the installation. Functional visual alarms shall be available in high noise areas including main engine room, aux machinery room, pump room, cementing room and emergency generator room.

PASS: Alarm signals are able to alert personnel either audibly or visually in all areas of the rig. Sounders/horns are functional and lights are functional and unobstructed."



-Johnny Anon.

"DO A TEST OF THE ALARM SYSTEM TO MAKE SURE THAT THE GENERAL ALARM, TOXIC ALARM, MUSTERING ALARM, AND PA MESSAGES OPERATE CORRECTLY.

THERE WILL BE VISUAL ALARMS AVAILABLE IN HIGH NOISE AREAS THAT INCLUDE:

MAIN ENGINE ROOM
AUX MACHINERY ROOM
PUMP ROOM
CEMENTING ROOM
EMERGENCY GENERATOR ROOM.

PASS: PERSONNEL CAN SEE AND HEAR ALARM SIGNALS ON THE RIG. HORNS AND LIGHTS OPERATE CORRECTLY AND ARE NOT BLOCKED."



-Simplified Technical English

"DO A TEST OF THE ALARM SYSTEM TO MAKE SURE THAT THE GENERAL ALARM, TOXIC ALARM, MUSTERING ALARM, AND PA MESSAGES OPERATE CORRECTLY.

THERE WILL BE VISUAL ALARMS AVAILABLE IN HIGH NOISE AREAS THAT INCLUDE:

THE MAIN ENGINE ROOM

THE AUX MACHINERY ROOM

THE PUMP ROOM

THE CEMENTING ROOM

THE EMERCENCY CENERATOR ROOM

PASS: PERSONNEL CAN SEE AND HEAR ALARM SIGNALS ON THE RIG. HORNS AND LIGHTS OPERATE CORRECTLY AND ARE NOT BLOCKED."



-Simplified Technical English with SME Input

All explosives, including explosives not suitable for oilfield use and waste explosives, must be accounted for and tracked from the point of arrival at the shop until they are expended in the field or properly disposed. The inventory system in the shop must track exactly how much of each type of explosive material is stored on the shop compound and what is currently being transported or used on a job site. All individuals handling explosives must properly update the shop inventory system whenever the location or status of any explosive changes, including when explosives are removed from the storage magazine, added to the loaded gun inventory, released to a job, returned from a job, reassigned to another job, or properly disposed.

EXPLOSIVES INCLUDE ALL WASTE EXPLOSIVES AND EXPLOSIVES THAT ARE NOT SUITABLE FOR OILFIELD OPERATIONS. MONITOR ALL EXPLOSIVES WHEN THEY ARE SENT TO THE SHOP UNTIL THEY ARE EXPENDED IN THE FIELD OR CORRECTLY DISCARDED. THE INVENTORY SYSTEM IN THE SHOP MUST ACCURATELY RECORD THE QUANTITY OF EACH EXPLOSIVE MATERIAL TYPE THAT IS KEPT IN STORAGE ON THE SHOP COMPOUND AND THE EXPLOSIVES THAT ARE SENT OR USED ON A JOB SITE. ALL PERSONNEL WHO DO WORK WITH EXPLOSIVES MUST MAKE CORRECT UPDATES IN THE SHOP INVENTORY SYSTEM WHEN THE LOCATION OR STATUS OF EXPLOSIVES CHANGES. THIS OCCURS WHEN EXPLOSIVES ARE:

- REMOVED FROM THE STORAGE MAGAZINE
- 2. ADDED TO THE LOADED BUN INVENTORY
- 3. RELEASED TO A JOB
- 4. RETURNED FROM A JOB
- 5. ASSIGNED TO A DIFFERENT JOB
- 6. CORRECTLY DISCARDED.

All explosives, including and waste explosives, mu removed from the storag inventory, released to a jo another job, or properly

point of arrival at the sho EXPLOSIVES INCLUDE ALL WASTE EXPLOSIVES AND properly disposed. The i EXPLOSIVES THAT ARE NOT SUITABLE FOR OILFIELD exactly how much of eacl OPERATIONS. MONITOR ALL EXPLOSIVES WHEN THEY ARE the shop compound and SENT TO THE SHOP UNTIL THEY ARE EXPENDED IN THE used on a job site. All ind FIELD OR CORRECTLY DISCARDED. THE INVENTORY properly update the shop SYSTEM IN THE SHOP MUST ACCURATELY RECORD THE or status of any explosive QUANTITY OF EACH EXPLOSIVE MATERIAL TYPE THAT IS KEPT IN STORAGE ON THE SHOP COMPOUND AND THE EXPLOSIVES THAT ARE SENT OR USED ON A JOB SITE. ALL PERSONNEL WHO DO WORK WITH EXPLOSIVES MUST MAKE CORRECT UPDATES IN THE SHOP INVENTORY SYSTEM WHEN THE LOCATION OR STATUS OF EXPLOSIVES CHANGES. THIS OCCURS WHEN EXPLOSIVES ARE:

- REMOVED FROM THE STORAGE MAGAZINE
- 2. ADDED TO THE LOADED BUN INVENTORY
- 3. RELEASED TO A JOB

### Hemingway

#### Readability

Grade 5

Good

Words: 132

Show More ▼

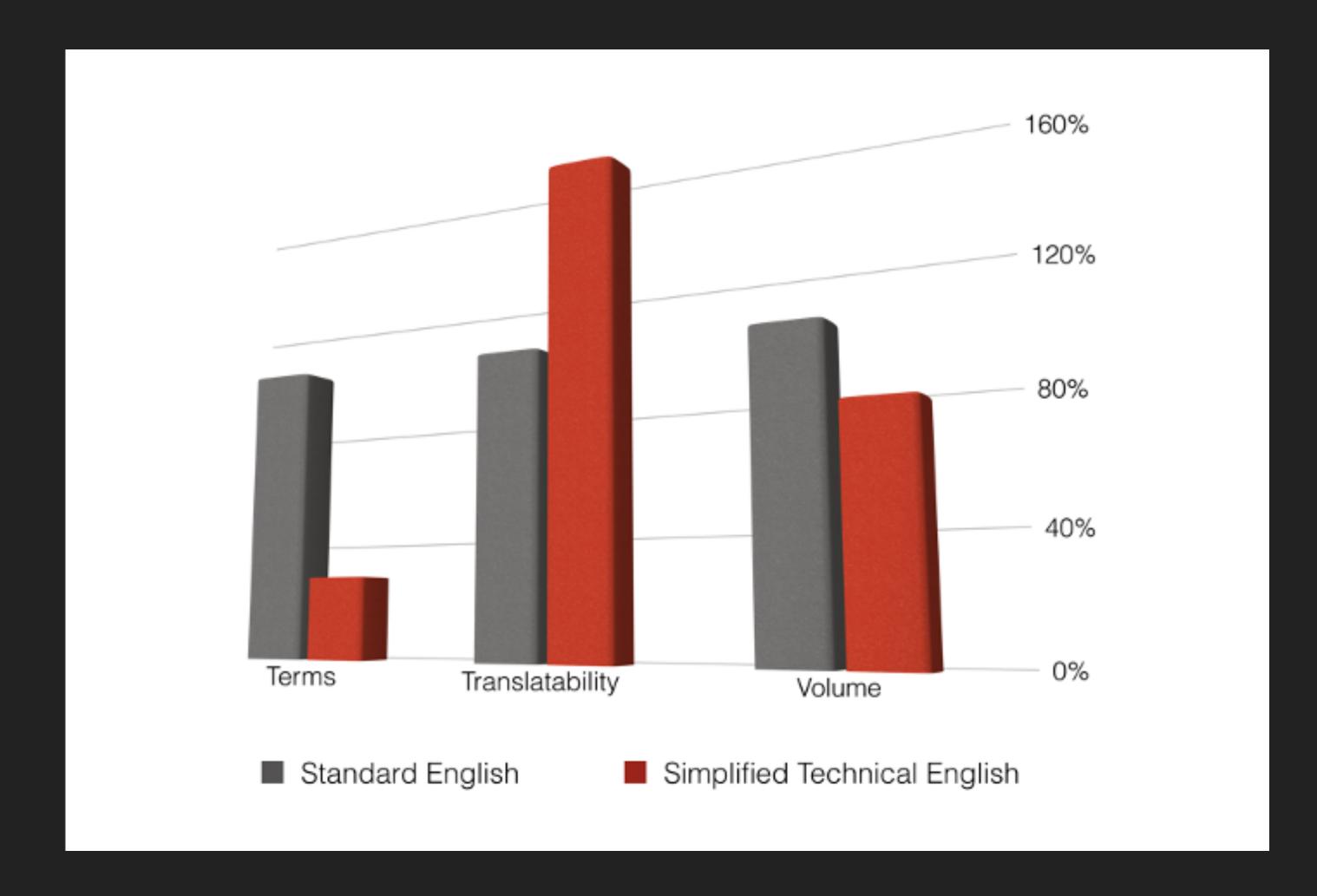
- o adverbs. Well done.
- 3 uses of passive voice, meeting the goal of 3 or fewer.
- 1 phrase has a simpler alternative.
- 1 of 17 sentences is hard to read.
- 3 of 17 sentences are very hard to read.

# OVERVIEW

- 1. Why Simplified English?
- 2. What is Simplified English?
- 3. Industry case studies
- 4. STE for translation & localisation
- 5. Q&A.



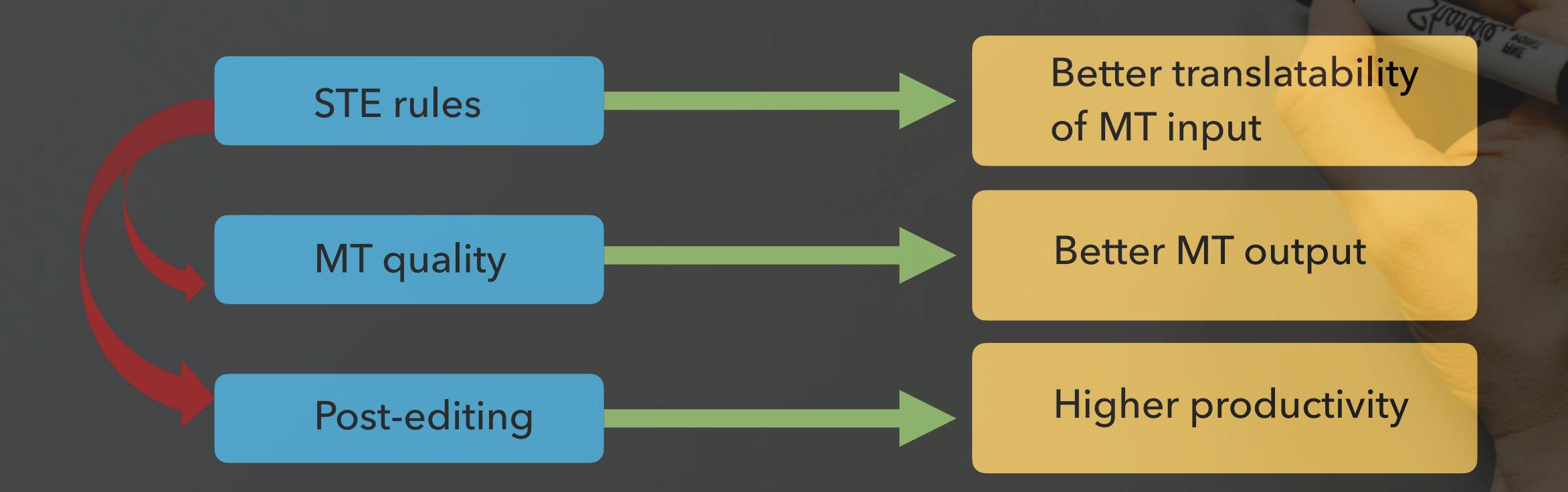
### STE for translation and localisation



- •As the text volume is typically reduced by at least 20%.
- •The remaining text becomes more repetitive, as the use of STE normally results in 30 to 40% less translation cost.
- •STE will reduce the number of unique terms and improve translation quality and consistency.

Figure 1: This graph shows the typical results of rewriting Standard English into Simplified Technical English.

## Creating translation-friendly text: a three-way approach

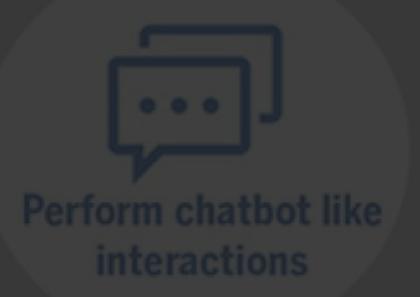


Adapted from: Aikawa, T. (2007). Impact of controlled language on translation quality and post-editing in a statistical machine translation environment Retrieved: 6 May 2018

# Words over numbers

"...a great deal of information important to predictions and smarter troubleshooting is not in the form of numbers; it is in words-in manuals." - H.Canaday, Natural Language Processing

For Aircraft Maintenance Explained, InsideMRO, Jan 2019.







# OVERVIEW

- 1. Why Simplified English?
- 2. What is Simplified English?
- 3. Industry case studies
- 4. STE for translation & localisation
- 5. Q&A.





Compliance with prescribed writing rule aired

with a limited vocabula like the proverbial pill to

However, there is only as technical communication some tugging and many the kite is going nowher

Shumin CHEN, Head of Technical English trainin

Keep in touch! <a href="mailto:shumin@asd-ste100.net">shumin@asd-ste100.net</a>



