

## UNDERSTANDING MACHINE TRANSLATION: KEY TERMS AND DEFINITIONS

Do you know the difference between MT and NMT? What about RBMT and SMT? These important acronyms all relate to Machine Translation. Their definitions provide insight into how the technology works. Learn more with this handy glossary.

### **MACHINE TRANSLATION (MT)**

The automated translation of source material into another language without human intervention

### **MACHINE TRANSLATION POST-EDITING (MTPE)**

The use of machine translation technology to generate translation and the review of that translation by a human to improve it

### **RULE-BASED MACHINE TRANSLATION (RBMT)**

Machine Translation systems that use rules developed by humans or from dictionaries to execute translations; these systems are word-based

### **STATISTICAL MACHINE TRANSLATION (SMT) ENGINE**

Machine Translation engines that use advanced statistical methods and vast amounts of data from the Internet to translate growing piles of content; these engines are phrase-based

### **HYBRID MACHINE TRANSLATION ENGINE**

Machine Translation that uses multiple machine translation systems, often combining Statistical Machine Translation with Rule-Based Machine Translation systems

### **NEURAL MACHINE TRANSLATION (NMT)**

Neural Machine Translation harnesses the power of Artificial Intelligence (AI) and uses neural networks to generate translations that capture the meaning and nuance of the sentence more accurately

### **TRANSLATION MEMORY (TM)**

A database of past translations that a company leverages to reduce the workload of new content

### **COMPUTER AIDED TRANSLATION (CAT)**

The use of software to help human translators do their work

### **TRANSLATION MEMORY TOOLS (TM TOOLS)**

A type of CAT that uses a database of previously translated content

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