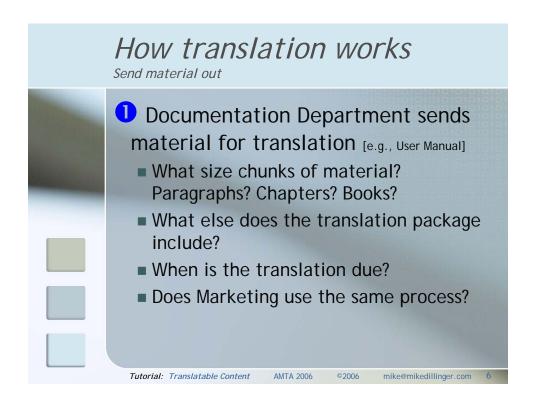






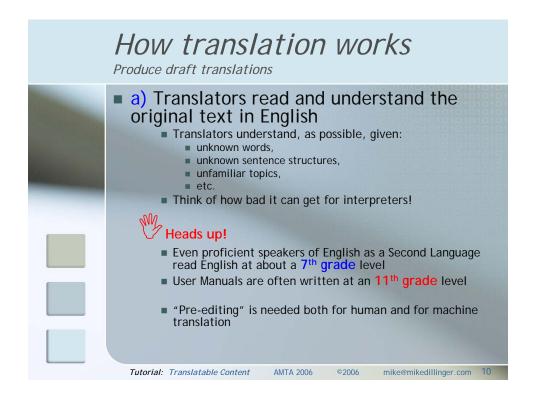
## Documentation Department sends material for translation Localization Department filters out incoming sentences that have already been translated Translation Vendor produces draft translations Translators revise draft translations Documentation department assembles and distributes translations This is part of the Content Supply Chain See: http://contentsupplychain.blogspot.com

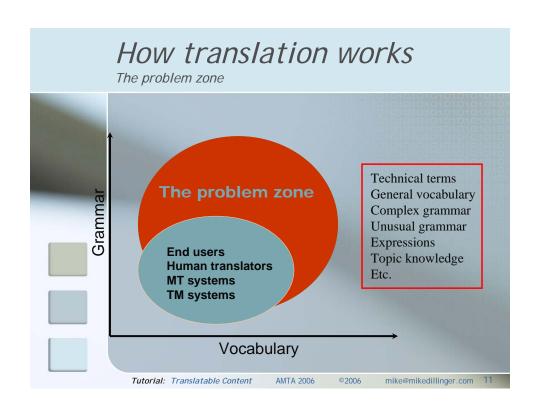


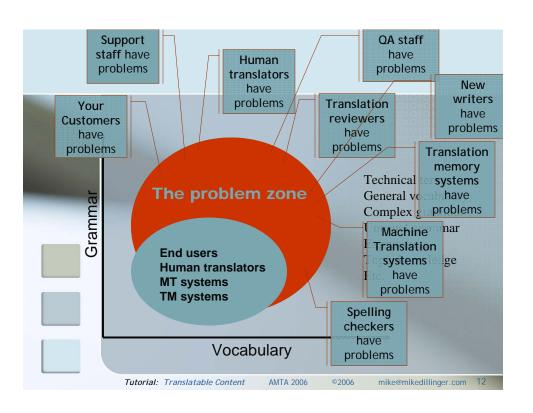
## How translation works Filter out already-translated sentences 2 Localization Department filters out incoming sentences that have already been translated Translation memory tools ■ 100% matches : ) But still not free Fuzzy matches Alternative formulations of the same content Translation memory is very sensitive to any kind of variation Tutorial: Translatable Content AMTA 2006 mike@mikedillinger.com

# How translation works Filter out already-translated sentences Fuzzy matches This dialog box is available in more than one application. This dialog box is available in more than one contract application. Click OK to save changes and return to the application tab. Click OK to save the record and return to the application tab.

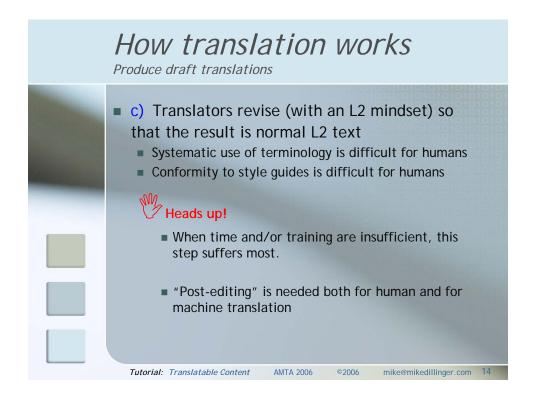
# How translation works Produce draft translations 3 Translation Vendor produces draft translations Distribute parts of the project to different translators By hand or (increasingly) by machine a) Translators read and understand the original text in English b) Translators draft "the same information" in L2 c) Translators revise (with an L2 mindset) so that the result is normal L2 text



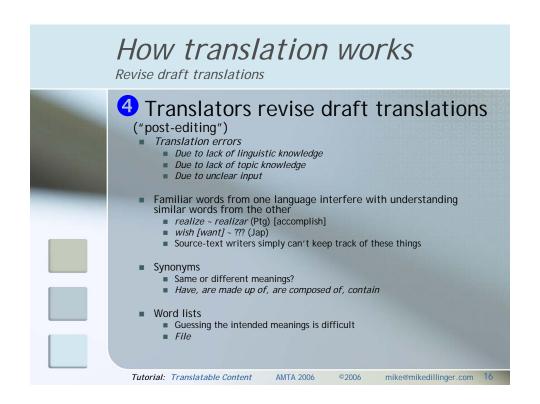




## How translation works Produce draft translations | b) Translators draft "the same information" in L2 | Adjust for inexistent sentence structures | "Someone was given a watch." | In Mandarin: "A watch was given to someone." | Adjust for translations that have more common but irrelevant meanings | "The manager has personally passed all the water served here." (In an Acapulco hotel) | Teacher > profesor or profesora (Sp) | Eat > essen or fressen (Ger)



## How translation works Produce draft translations Some vendors and companies are doing many of the draft translations with Machine Translation technology MT is much faster MT is much cheaper MT is much more consistent Machine Translation is both viable and cost effective for draft translations. Quality of the output depends more on writers' conformance to style guides than to limitations of the technology Microsoft is using a writer-direct-to-multilingual-web system for support KB Océ implemented tight integration between writers and translation technologies, cutting localization costs by 60% and translation time by months. Now they've spun the technology off into a new company. SAP, ATT, etc. Tutorial: Translatable Content AMTA 2006 ©2006 mike@mikedillinger.com 15



## How translation works More is going on More is going on: Localization (by hand) of screen shots and figures Localization of software: menus, button labels, error messages, etc. Adjustment of page layout The Localization Department then Checks that returned translations are complete Samples the translations for quality Discovers that the source text has already changed Organizes files into manuals or help directories Checks functionality of help systems Sends translations out for in-country testing The Documentation Department then Assembles and distributes the documents Tutorial: Translatable Content AMTA 2006 mike@mikedillinger.com 17

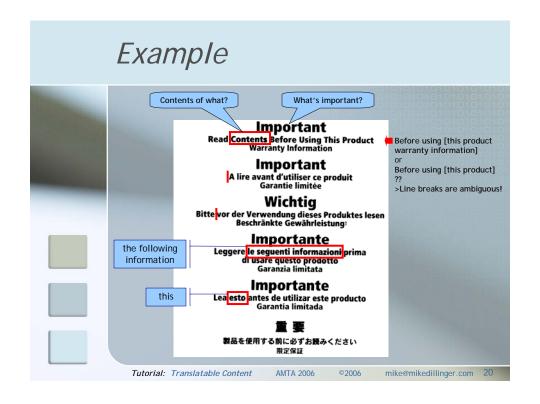
## Ladies, leave your clothes here and spend the afternoon having a good time. (In a Rome laundry) Ladies are requested not to have children in the bar. (In a Norwegian cocktail lounge) Specialist in women and other diseases. (In the office of a Roman doctor) Daily plate -- shrimp in spit. (In a Brazilian restaurant) These are human translations, eh?

Visitors are expected to complain at the office between the hours of 9 and 11 A.M. daily. (In a hotel in Athens)

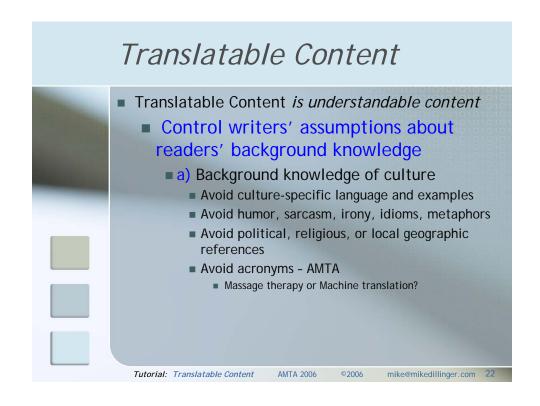
Please do not feed the animals. If you have any suitable food, give it to the guard on duty. (at a Budapest zoo)

Cooles and Heates: If you want just condition of warm in your room, please control yourself. (from a Japanese information booklet about using a hotel air conditioner)

To stop the drip, turn cock to right. (In a Finnish washroom)



## Translatability Three dimensions Three dimensions of Translatability Translatable Content ■ How to make the *information* more translatable? Translatable Form ■ How to make the sentences more translatable? Process How to deploy processes that facilitate translation? AMTA 2006 ©2006 mike@mikedillinger.com 21 Tutorial: Translatable Content



## Translatable Content b) Background knowledge of the product Assume that the reader knows *nothing* about the product By definition, translators are NOT familiar with your product Use specific examples as often as practical Make the text understandable even if the translator can't see the Most often, translators don't have a copy of the product c) Background knowledge of technology It's extremely easy for people who are familiar with technology to assume that other people are equally familiar with it. Tech Support people can very easily supply dozens of examples where this assumption is false. Translators are very often not very familiar with technology There's a great collection of unusual assumptions at: http://rinkworks.com/stupid/ Tutorial: Translatable Content AMTA 2006 ©2006 mike@mikedillinger.com 23

## Example Customer: "Hello, is this Tech Support?" Tech Support: "Yes, it is. How may I help you?" Customer: "The cup holder on my PC is broken and I am within my warranty period. How do I go about getting that fixed?" Tech Support: "I'm sorry, but did you say a cup holder?" Customer: "Yes, it's attached to the front of my computer." Tech Support: "Please excuse me if I seem a bit stumped, it's because I am. Did you receive this as part of a promotional, at a trade show? How did you get this cup holder? Does it have any trademark on it?" Customer: "It came with my computer, I don't know anything about a promotion. It just has '4X' on it." The caller had been using the load drawer of the CDROM drive as a cup holder and snapped it off the drive. Tutorial: Translatable Content ©2006 mike@mikedillinger.com 24

## This is how your documentation sounds to translators and users:

Is this caused by problems with Spelling? Punctuation? Grammar? Terminology? Sentence length? Formatting?

The writing here follows most style guides.

If the balloons popped, the sound wouldn't be able to carry since everything would be too far away from the correct floor. A closed window would also prevent the sound from carrying, since most buildings tend to be well insulated. Since the whole operation depends upon a steady flow of electricity, a break in the middle of the wire would also cause problems. Of course, he could shout, but the human voice is not loud enough to carry that far. An additional problem is that a string could break. Then there could be no accompaniment to the message. It is clear that the best situation would involve less distance. Then there would be fewer problems. potential With face-to-face contact, the least number of things could go wrong.

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## Next steps

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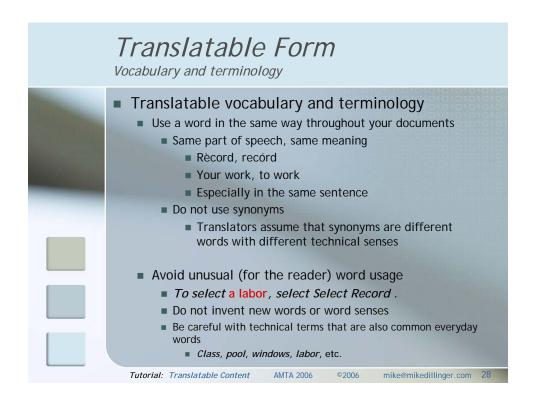
- Tools for Translatable Content
  - None for monitoring content explicitly yet
  - Content type checking in XML
  - BUT term and style checking help catch unplanned terms and sentence types

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- Techniques
  - Training
  - Audits
  - Know your clients
    - Build empirical (not intuitive) reader profiles
    - FAQ hit rates from support staff and support pages
    - Sales, Marketing, Product Managers
    - Direct feedback and suggestions
    - User conferences
    - Feedback from translation vendors
  - Foster community-driven documentation
- Further reading
  - Sun Microsystems (2003). Read me first!, Chapter 7

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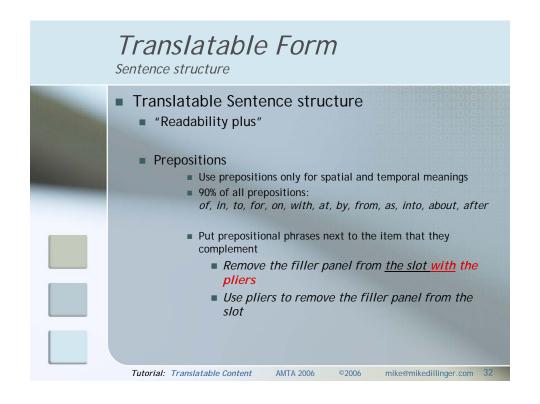
# Translatable Form ■ How to make the sentences more translatable? ■ Use translatable vocabulary and terminology ■ Use translatable sentence structure ■ Writing "for MT"? ■ Other



### Translatable Form Vocabulary and terminology Translatable Vocabulary and terminology (2) Avoid colloquial and regional expressions Especially two- and three-word verbs If you get hung up on the details, ... Avoid or document word ambiguity Bundle glossaries with texts for translation Bundle preferred translations of terms with texts for translation Provide example sentences for word lists ■ File as in... Manage your terminology Technical and non-technical words, as well Know which terms are most frequent These are the ones that need close revision Reduce the number of words used only once or twice Tutorial: Translatable Content AMTA 2006 ©2006 mike@mikedillinger.com 29

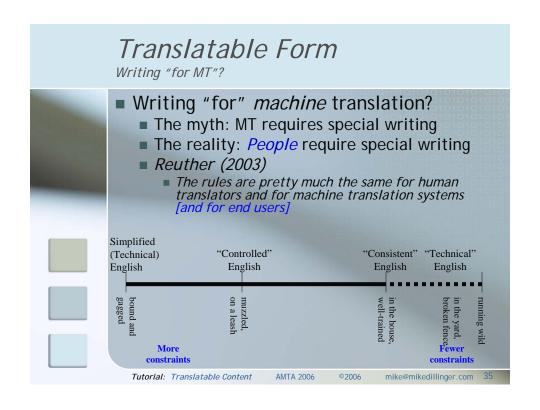
## Next steps Tools for Terminology Management MultiTerm Wordsmith Spreadsheet on the intranet, at least Integrated term and style checking acrocheck, CLAT, Boeing / HyperSTE Techniques Training Terminology committee Audit: key-terms analysis Further reading Wright, SE & Budin, G. 1997. Handbook of Terminology Management (2 vols). Amsterdam: John Benjamins. Tutorial: Translatable Content ©2006 mike@mikedillinger.com

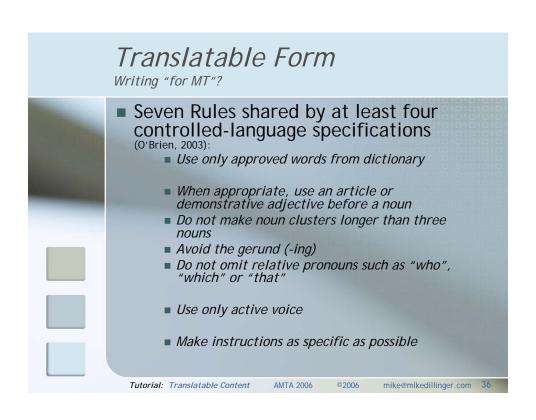
## Translatable Form Sentence structure Translatable Sentence structure "Readability plus" Avoid unusual or complex sentence structures Aim for 7<sup>th</sup>- or 8<sup>th</sup>-grade reading level Much current documentation is at an 11<sup>th</sup>-grade level As much for translators as for translation memory systems Adverbs Avoid directional adverbs Drag your cursor across the screen. >Make your cursor cross the screen by dragging it. Override, underachieve Tutorial: Translatable Content AMTA 2006 ©2006 mike@mikedillinger.com 31



## Translatable Form Sentence structure Translatable Sentence structure "Readability plus" Conjunctions Take extra care with and and or Parallelism is essential Sorry, only one conjunction per sentence Verbs Do not omit "that" for verb complements Do not use passive sentences Do not use two- or three-word verbs Do not change commonly used transitivity Based on the current item, one of the following applications launches: If the item is a valve, the Valves application launches. Tutorial: Translatable Content mike@mikedillinger.com 33 AMTA 2006 ©2006



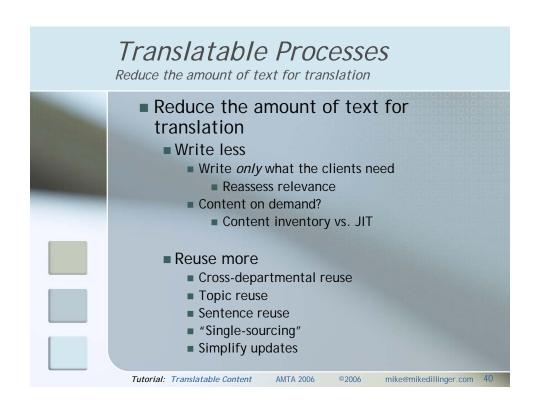




## Next steps Tools for Translatability Management Integrated term and style checking acrocheck, CLAT, Boeing / HyperSTE Techniques Training: authors don't know about this Training: improve style guides Audit: Translatability analysis Audit: Reuse analysis Planning: identify and prioritize issues Further reading ■ Kohl, J. (1999). "Improving translatability and readability with syntactic cues" <u>Technical</u> <u>Communication</u>, vol. 46, no. 2, pp. 149-166 Tutorial: Translatable Content AMTA 2006 ©2006 mike@mikedillinger.com 37

## Translatable Form Other topics Lay out the text to permit different text lengths, different paper sizes To avoid DTP in the target language Be careful with text variables In some contexts, they have to be capitalized or not Programmers HAVE TO put all strings in resource files, not in the code Who revises their English? Improve Development Environments for better string management Tutorial: Translatable Content AMTA 2006 ©2006 mike@mikedillinger.com

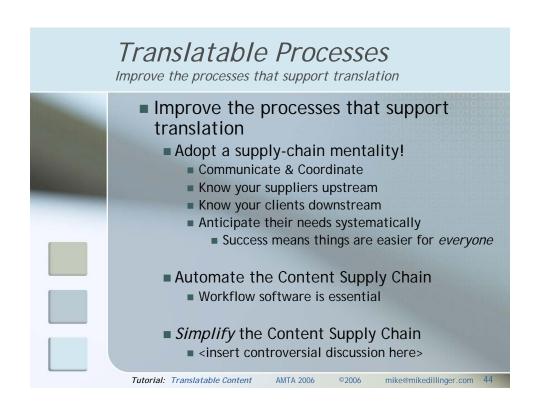
## Translatable Processes Processes How to make processes that facilitate translation? a) Reduce the amount of text for translation b) Make translation itself easier c) Improve the processes that support translation

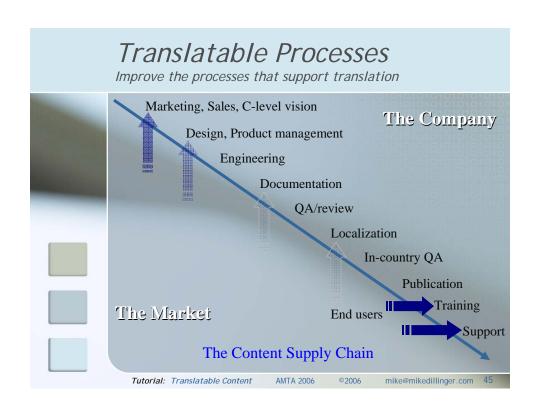


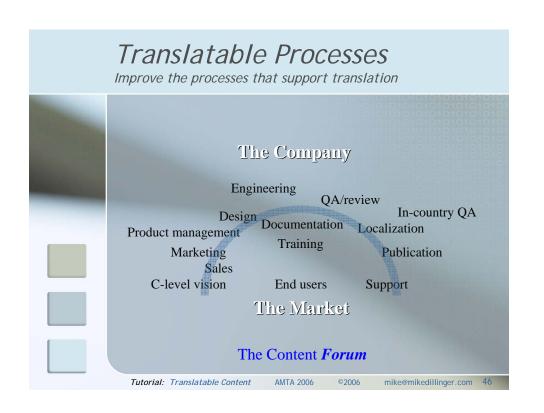
/	Vext steps
	Tools for Content Reduction  Single-sourcing Ex: AuthorIT, Documentum, Idiom
	Techniques  Use Machine Translation!  Planning: Develop a reuse map  Training: Do a content-lifecycle analysis  Training: Writing for reuse  Audit: Reuse analysis  Know your clients
	<ul> <li>Further reading</li> <li>Ament, K. (2003). Single Sourcing: Building modular documentation. Norwich, NY: William Andrew.</li> <li>Rockley, A. (2002). Managing Enterprise Content: A unified content strategy. New York: New Riders.</li> </ul>
	Tutorial: Translatable Content AMTA 2006 ©2006 mike@mikedillinger.com 41

## Translatable Processes Make translation itself easier Make translation itself easier Write for translatability Mine translator feedback Wrest control of interface strings from engineering Include multilingual glossaries Part of the translation package Standardize tools and file formats Keep translation memories up to date Maintain hit-rate data Anticipate translation problems Cut down on screen shots Lay out for translations that are 30% longer ■ Make updates easier Tutorial: Translatable Content AMTA 2006 ©2006 mike@mikedillinger.com 42











## Summing up Who cares about translatability? How translation works Three dimensions of Translatability Translatable Content How to make the information more translatable? Translatable Form How to make the sentences more translatable? Process How to deploy processes that facilitate translation? Tutorla: Translatable Content AMTA 2006 Mike@mikedillinger.com Mike@mikedillinger.com

