Is your global business at risk?

Tex Texin
Globalization Architect, XenCraft

Michael McKenna World-Ready Architect, PayPal, Inc.

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Globalization is a process

- It is not turnkey
 - One input has many possible outputs
 - It can be complex, with many points of potential failure
 - Working processes can degrade
 - Once successful results, can be unusable at a later time
- Failure can be catastrophic





A simple catastrophic example



- A large company rolls out a worldwide marketing campaign associating their new product with "heroes"
- A fireman is featured as an example of a hero.

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Fireman as a hero

- Campaign failed outside North America
 - In USA & CA, firemen are brave and run into danger to save lives.
 - Elsewhere, firemen just clean up the rubble.
 - Besides materials cost, market momentum was lost, relationships with distributors hurt
- Could have easily been prevented by inmarket testing.

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Translation is not turnkey

- A company's knowledge DB is called an "encyclopedia" to distinguish it in market
 - Competitors use the term "repository"
 - Newest manual was translated and printed
 - "Encyclopedia" translated to the French equivalent of "repository"
- \$1Million of publication was tossed

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Translation is not turnkey

- · This failure should have been prevented
 - There was a review before printing
 - Were reviewers thorough?
 - Did reviewers know what to look for?
 - How do you establish a review is successful?
- How can you reduce risk for your translation projects?

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Risk reduction

- · Glossary of approved brand and key terms
 - Include a list of terms to avoid
 - Scan translation for terms to avoid
 - Hold translators and reviewers accountable to use key terms
- Inject known problems into translations
 - · so reviewers can be graded
- Metrics- reasonable? in line with history?
 - Error count, translation wpm, review wpm, et al

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Reducing international risk

- Many ways products fail in global markets
- · Many points in development where you can evaluate the potential for failure.
- · Catching and correcting problems early is significantly less expensive than later.

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Don't "go through the motions"

- All points of the process need monitoring
- · Executing "reviews" does not assure proper checking
- · Quantitative measures allow evaluation of quality of both products and process
 - KPI = Key performance indicators
 - Comparing KPI over time shows problem areas and whether quality and efficiency are improving

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Naïve Localization Process

- · Source language/locale in, destination out
- Presumes well-defined, error-free process
 - translation is 1 to 1 conversion
 - translators (or Machine Translation) are perfect
- No QA; Market judges quality (and you)



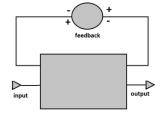
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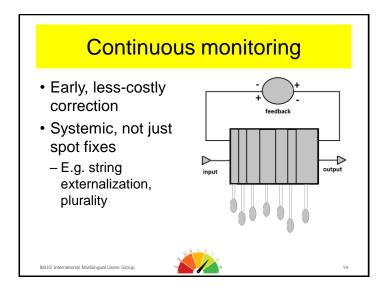
Final stage QA

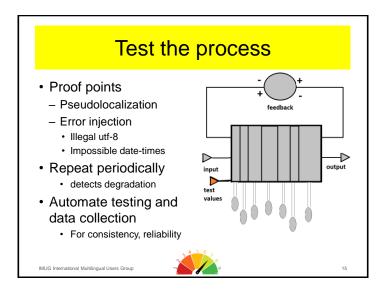
- · Rerun the process if changes needed
- Translation, and/or internationalization
- Expensive, unreliable delivery
- Fixes often pushed to next release

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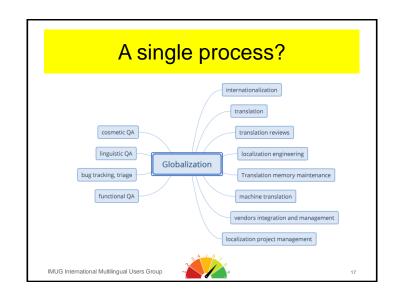


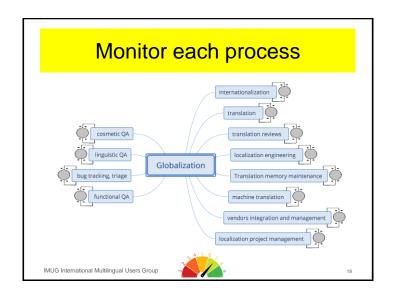


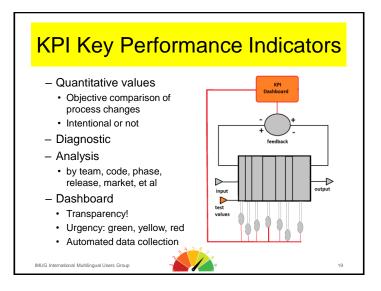




Quality Degradation Occurs for many reasons Quality fade motivated by tight profit margins Differing views of requirements, responsibility and "success" across cultures Geographically distributed teams are especially difficult to supervise and know of changes in staff, technology, process, etc.







Root cause analysis

- Wow- we have many translation errors
 - How many is a lot?
 - 100 errors in 1000 or in 100,000 words?
 - Translator mistranslated?
 - Delivery or timing or versioning error?
 - Inadequate context (orange fruit vs color)
 - Poor code (word order, gender, plurals)
 - UI/Text design (pun/ phrase with 2 meanings, metaphor, invented term –heads-up display)

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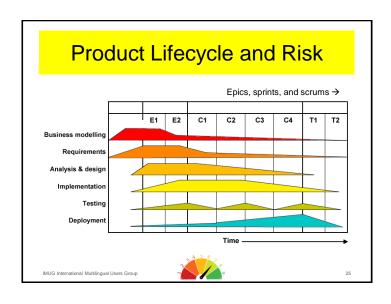
KPI Candidates

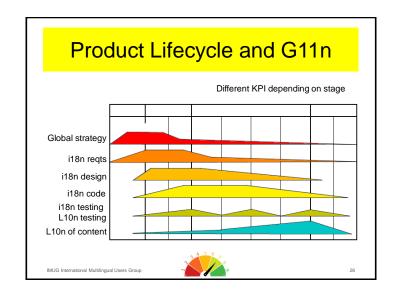
- # Errors, %total, errors/1000 lines, coverage, severity
 - Translation by topic, language, translator, reviewer, file type
 - Code: by type, developer, technology, file, module
 - QA: # tests, %total by language, type,
 - Design: flaws, #reviews, by language, etc.
 - Process: #code scans, results, scan misses
- · Timing, duration (rushed, planned, conflicted)
- Training: %attendance, coverage
- Compliance: #exceptions to defined process
- · Correction: time to investigate, design, fix, test, age, cost
- · Support: #calls, #returns, field reports, sales,

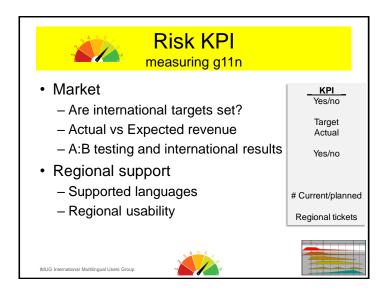
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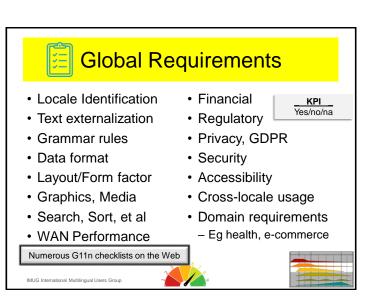


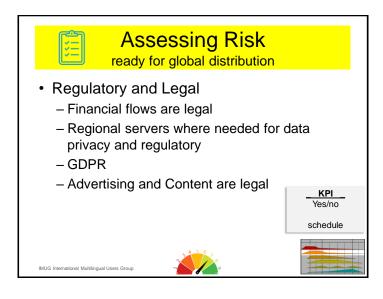
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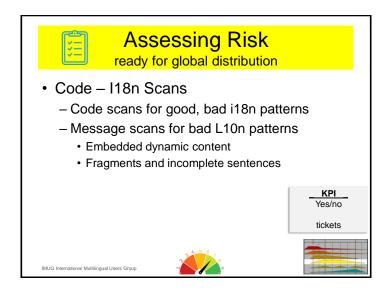


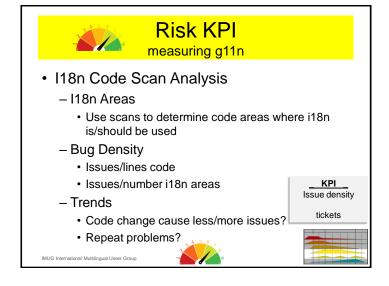


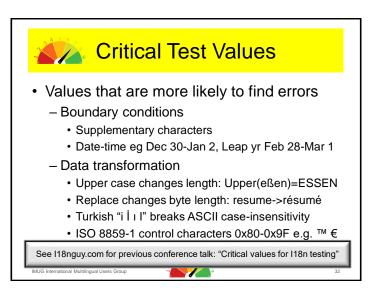




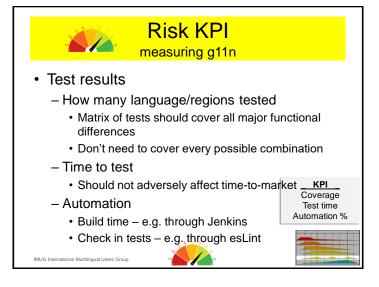


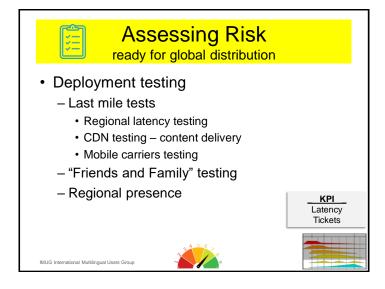




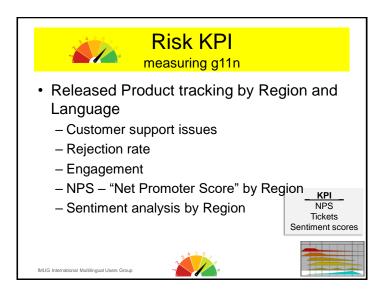


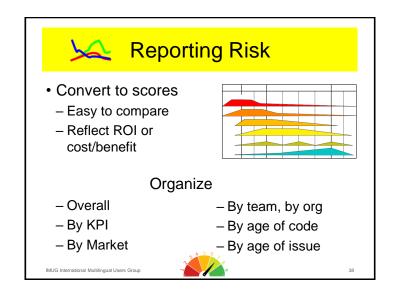




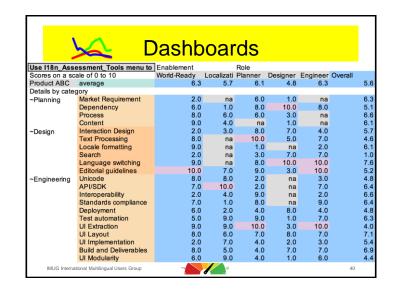


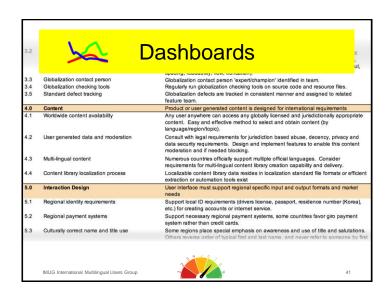




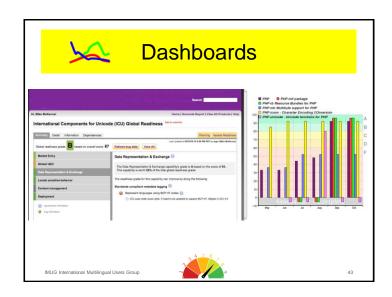


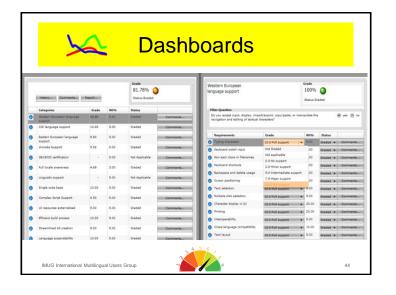


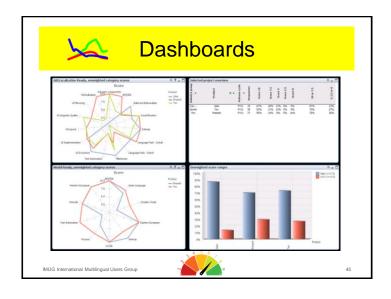


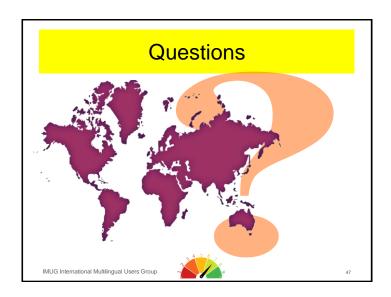












Process data collection benefits

- Confident of outcome based on data
 - Meets specs (product, G11n)
 - · Forecast customer acceptance, known pitfalls
- Early detection allows mid-course correction
- Reliability: Final QA confirms not corrects
- Historic data allow process improvements
 - Efficiency (Cost, Time to market, ROI)
 - Quality (Accuracy, Functional, Rejection rate)
 - Insight (robustness, automation, reuse, training)

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References

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- G11n checklist
 - I18nguy list of assessment tools
 - http://www.i18nguv.com/guidelines.htm
 - Multidimensional Quality Metrics (MQM) Definition, German Research Center for Artificial Intelligence (DFKI) and QTLaunchPad. "translation-oriented quality assessment systems"
 - http://www.qt21.eu/mgm-definition/
 - Lingoport WorldWare Conference https://lingoport.com/wp-

content/uploads/2012/03/I18nConference2012_I18nAssessments.pdf

- · Search terms:
 - "i18n assessment tool"
 - "Localization acceptance tests"

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