

A background filled with various hand-drawn business icons such as a globe, dollar sign, percentage, bar chart, pie chart, laptop, clock, key, and arrows.

THE MANAGEMENT & TRAINING CHALLENGES OF POST-EDITING (PART 2)

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Intertranslations S.A.**



PART 2 ITINERARY

- Special Thanks & Feedback
- Q&A
- Surveys Results
- Discussion
- A new initiative: a Post-Editing Training Protocol



SPECIAL THANKS & FEEDBACK

There was so much material and so many good slides. I would love to hear more background on how the individual aspects of many of the slides were collected? Was it experience? Research? Other formal studies by industry? Also, I can't wait to hear how universities can enter more into the picture. I "only" teach terminology management. But I would love to learn what is specifically needed in that area in order to cater for MT.

Karsch Barbara Inge, NYUSPS MS in Translation & Interpreting

SPECIAL
THANKS!

Clara Ginovart, CAT and AT Consultant at Datawords

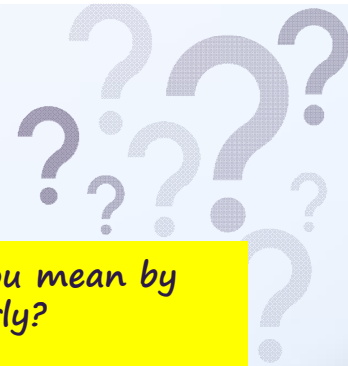
Dr Vilelmini Sosoni, DFLTI, Ionian University



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2. Teaching Post-editing: A Proposal for Course Content, Sharon O'Brien, SALIS, Dublin City University, Glasnevin, Dublin 9, Ireland, sharon.obrien@dcu.ie
3. Machine translation and post-editing training as part of a master's programme, Ana Guerberof Arenas, ADAPT Centre/Dublin City University, Joss Moorkens, ADAPT Centre/Dublin City University
4. Language industry views on the profile of the post-editor, Clara Ginovart Cid, Carme Colominas, Antoni Oliver, Universitat Pompeu Fabra and Universitat Oberta de Catalunya
5. Optimising the Machine Translation Post-editing Workflow, Anna Zaretskaya, TransPerfect
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7. Asia Online, A 6 Step Plan to Create an Optimal MT Post-Editing Strategy
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9. Introduction to post-editing, Bartolomé Mesa-Lao, bm.abc@cbs.dk, Center for Research and Innovation in Translation and Translation Technology, Copenhagen Business School, Denmark
10. Five Translation Competencies, Zainurrahman Sehan, STKIP Kie Raha Ternate
11. From a discreet role to a co-star, The Post-Editor Profile becomes key to the Post-Editing Workflow, Lucia Guerrero, Machine Translation Specialist, CPSL, TC40 Asling, London, November 2018
12. Skills and Profile of the New Role of the Translator as MT Post-editor Celia Rico, Senior Lecturer, Facultad de Artes y Comunicación, Universidad Europea de Madridcelia.rico@uem.es, Enrique Torrejón, Language Technologies Consultantenrique.torrejón@gmail.com
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Q&A

Do you think that the MTPE-based solutions should be different depending on the required quality of the final output - be it high-quality human-level translation or just a "Light PE"?

When should we add in the pre-editor and annotator if we are barely doing any MTPE work right now?

Flat rate - what do you mean by this? per word or hourly?

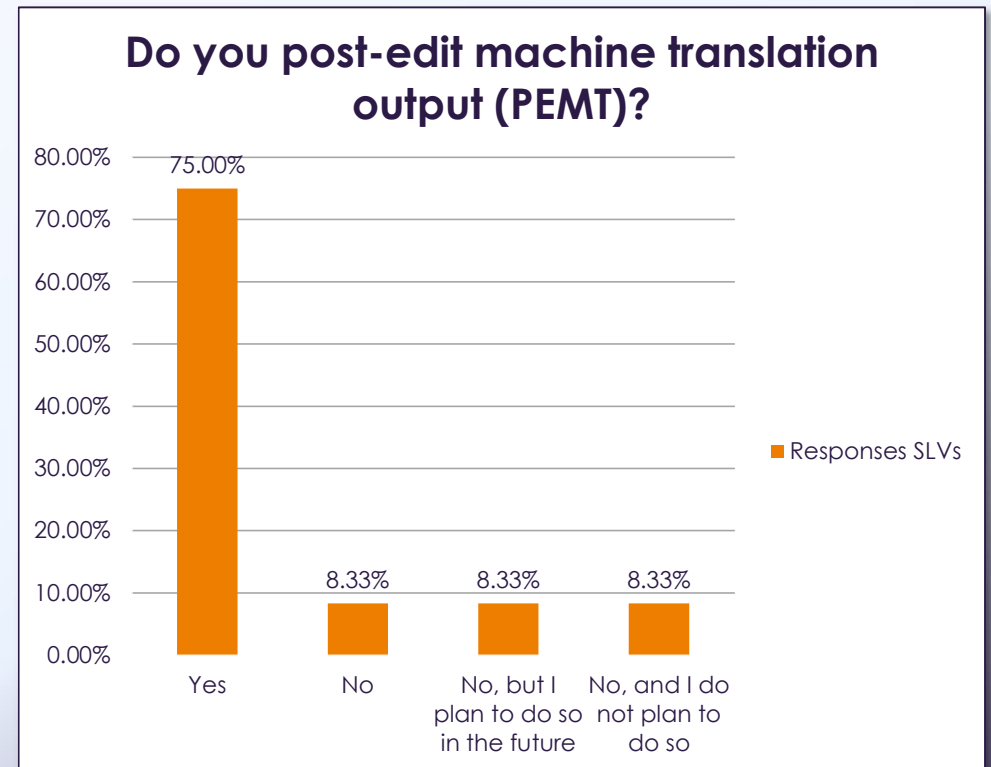
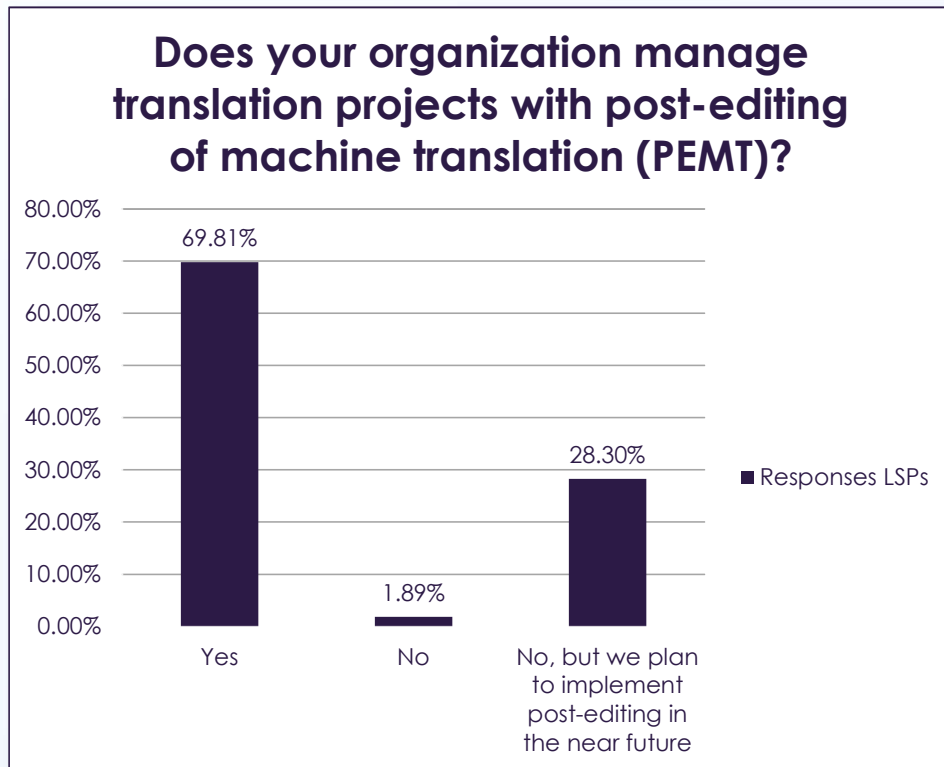
I would be very interested in the role of the pre-editor. It seems like in many cases, pre-editor is not considered to be a legitimate part of the content creation process and may be difficult to justify - especially when requested to process a really poor source.

The matrix of PE: what is it and how does it work? Once Quality Estimation works like fuzzies, will this matrix be the new widely-accepted grid?

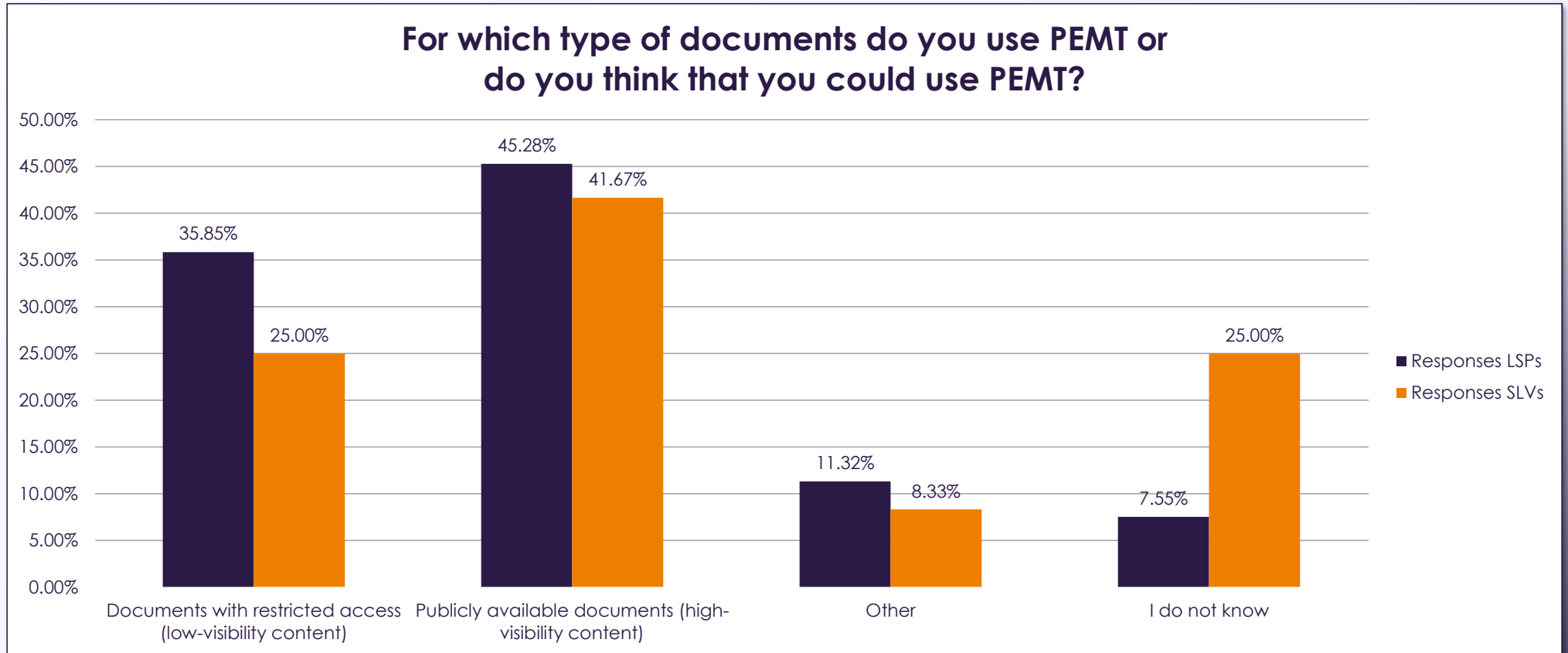
How frequently should you retrain your MT engines?



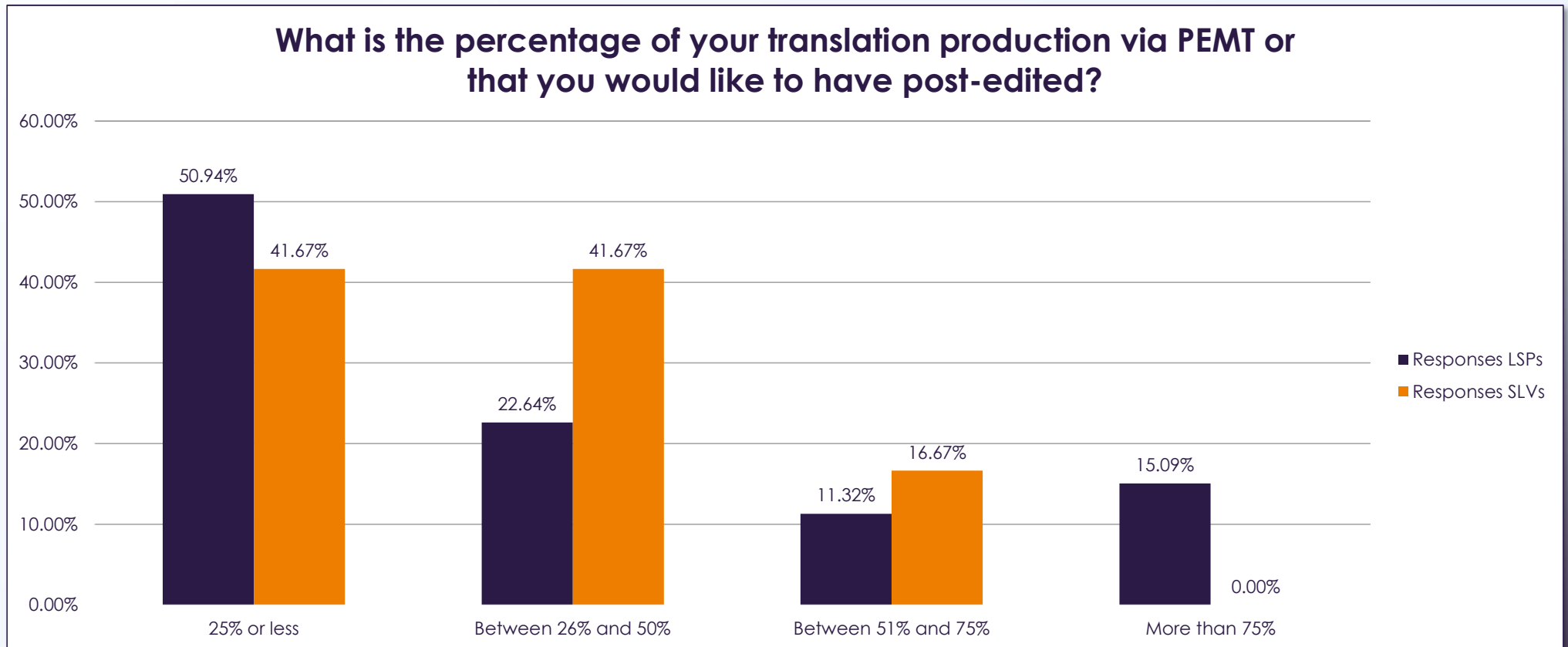
SURVEY RESULTS 1



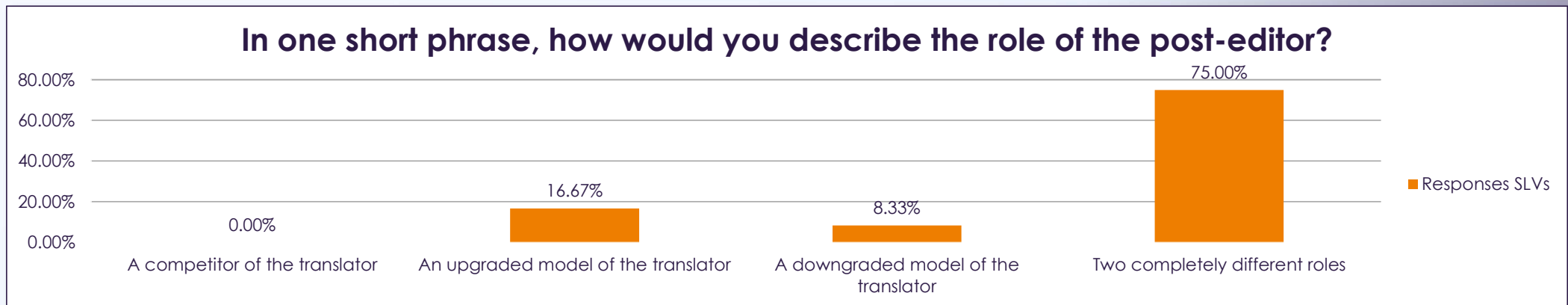
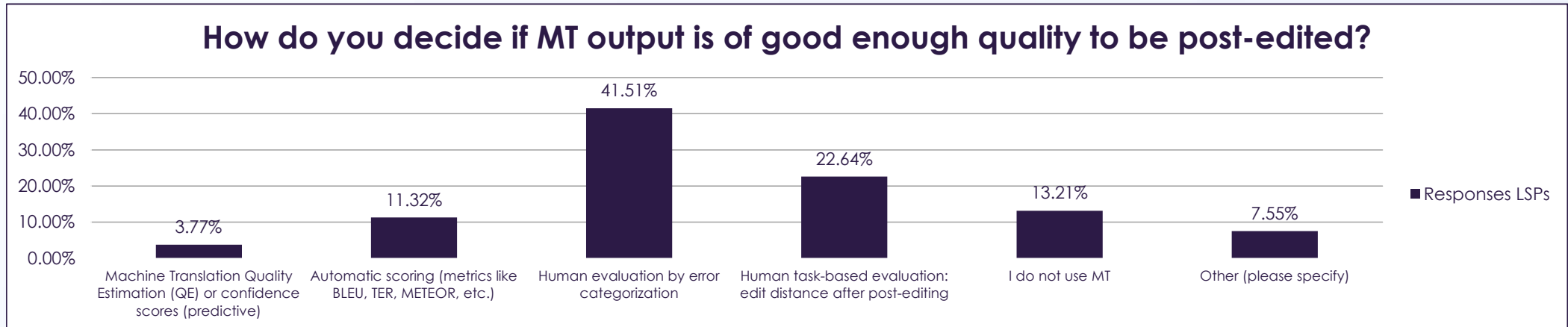
SURVEY RESULTS 2



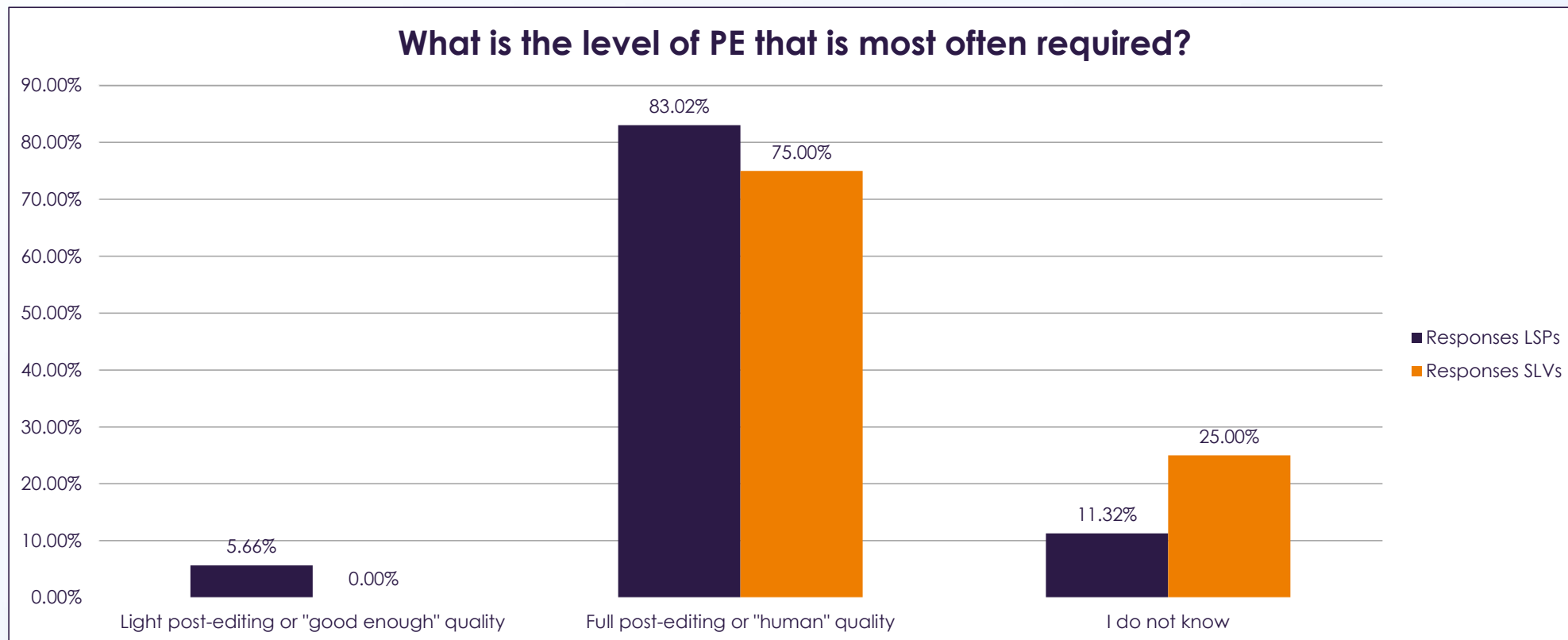
SURVEY RESULTS 3



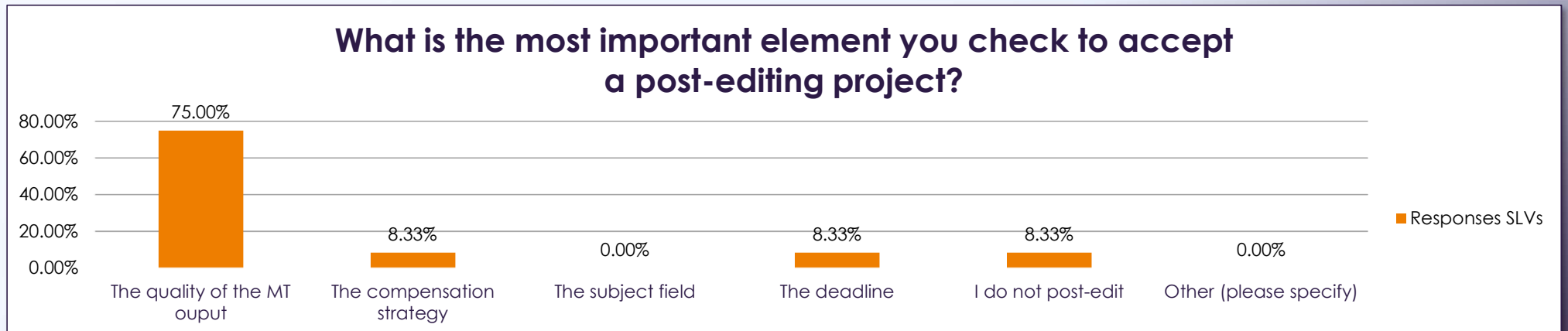
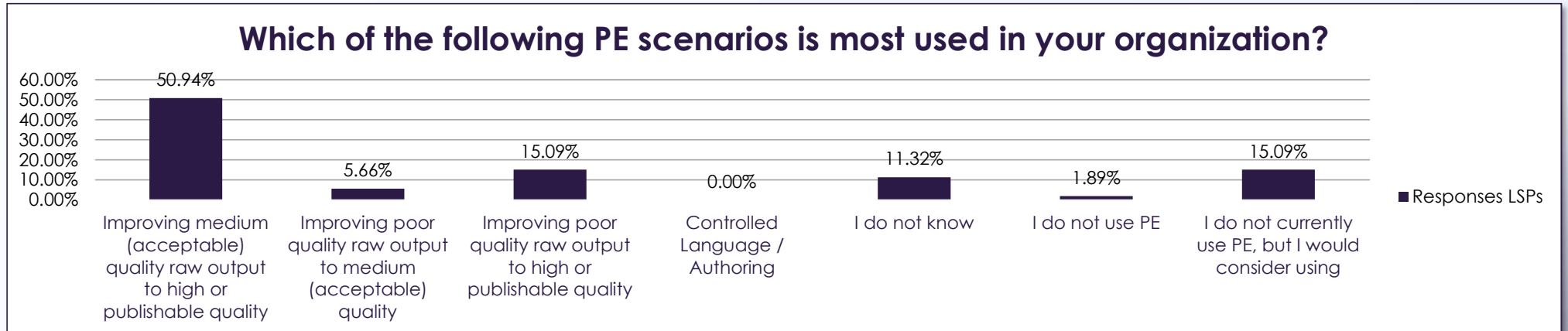
SURVEY RESULTS 4



SURVEY RESULTS 5

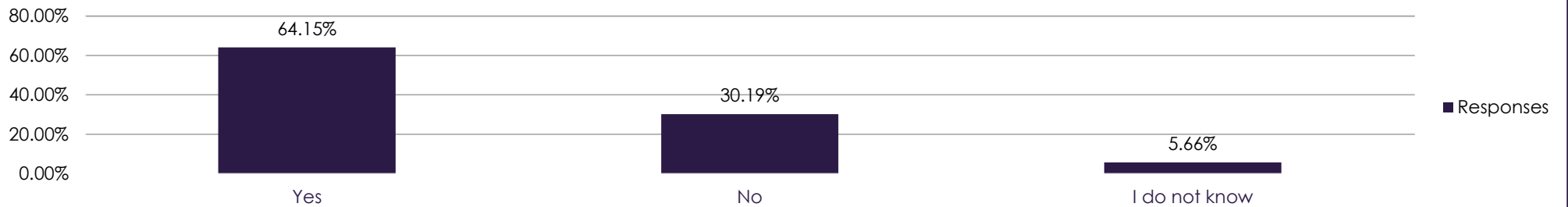


SURVEY RESULTS 6

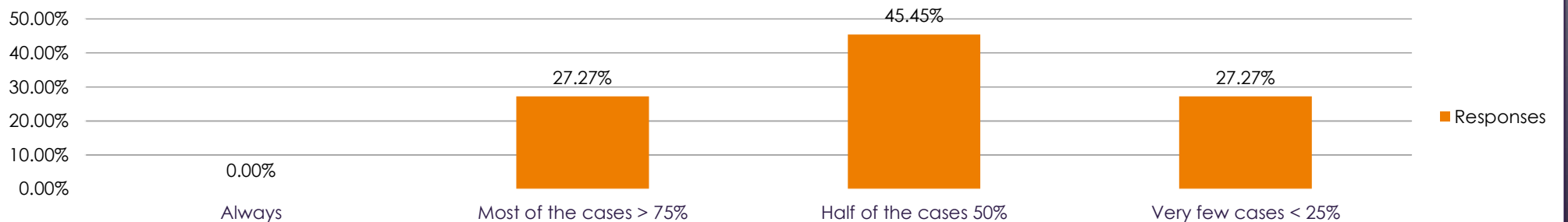


SURVEY RESULTS 7

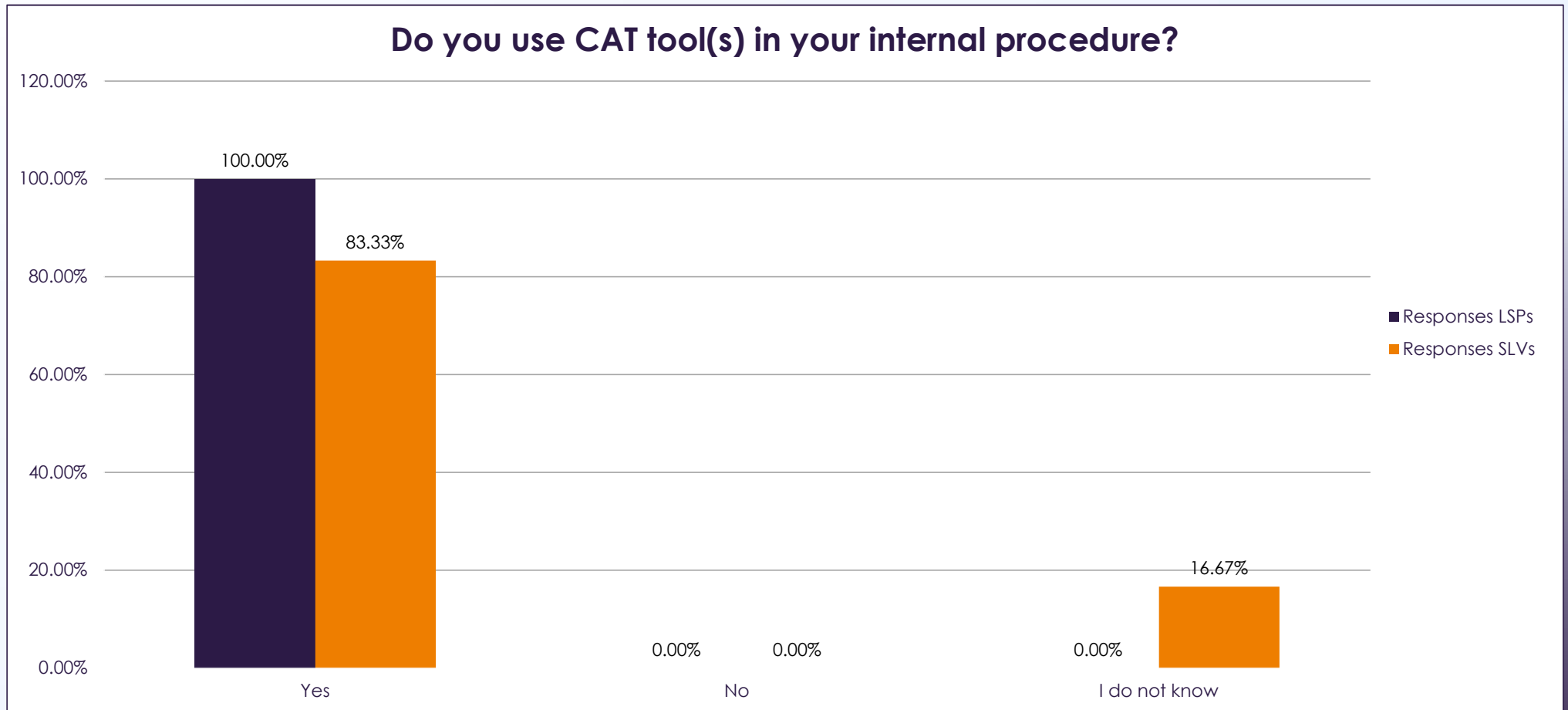
LSPs: Do you use existing translation memories and/or glossaries to train, customize or tune an MT engine?



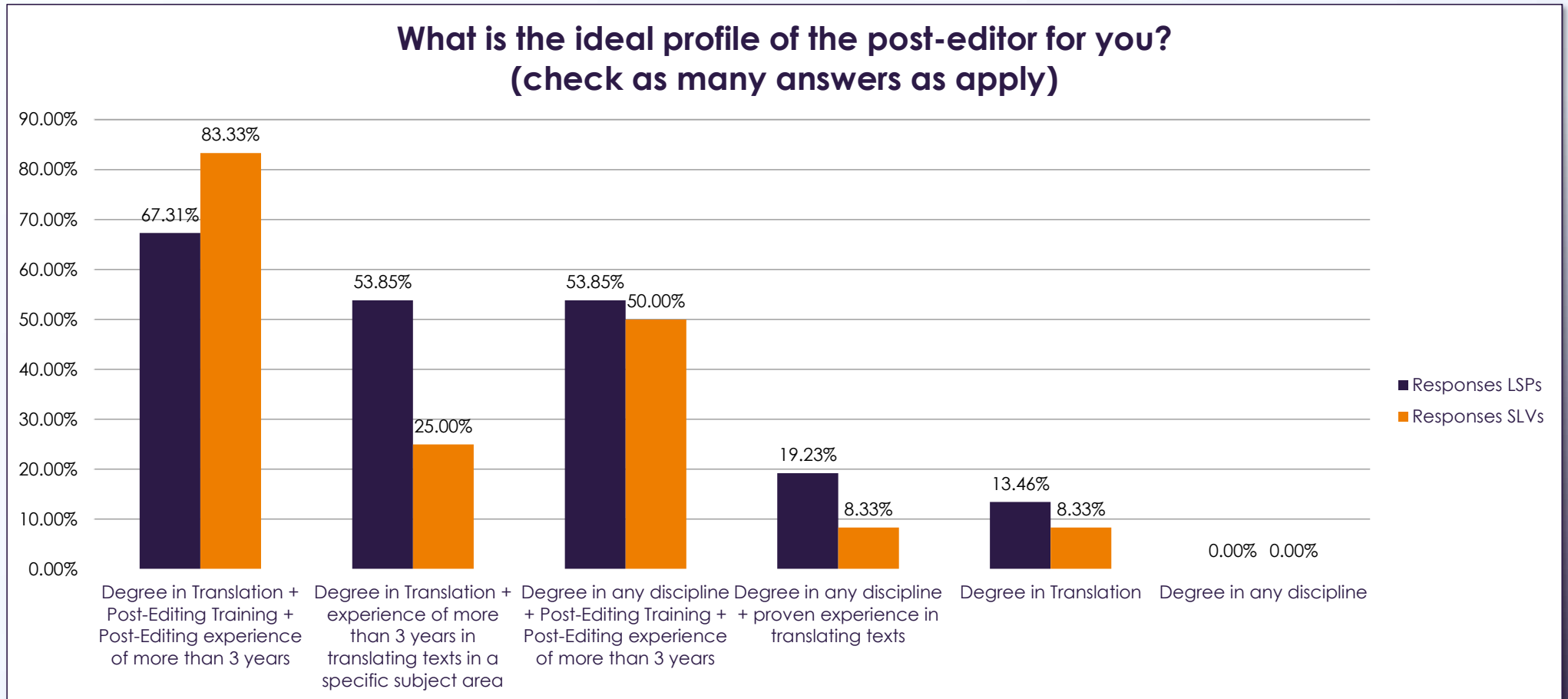
SLVs: Based on the post-editing tasks you have performed, how often would you have preferred to translate from scratch rather than post-edit?



SURVEY RESULTS 8

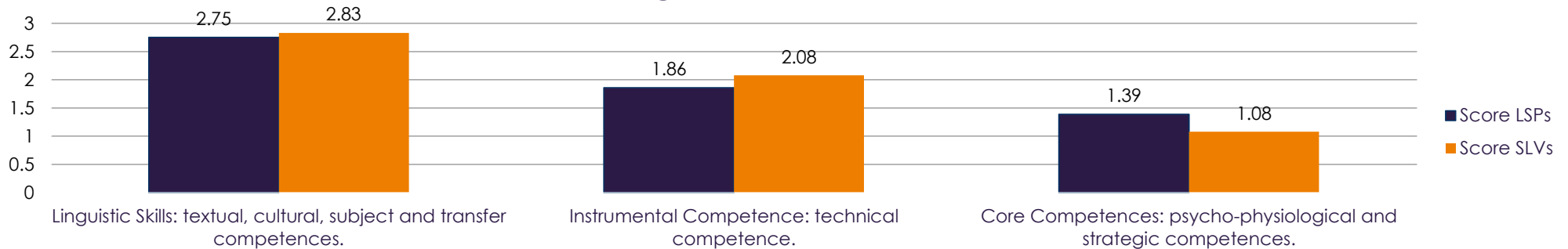


SURVEY RESULTS 9

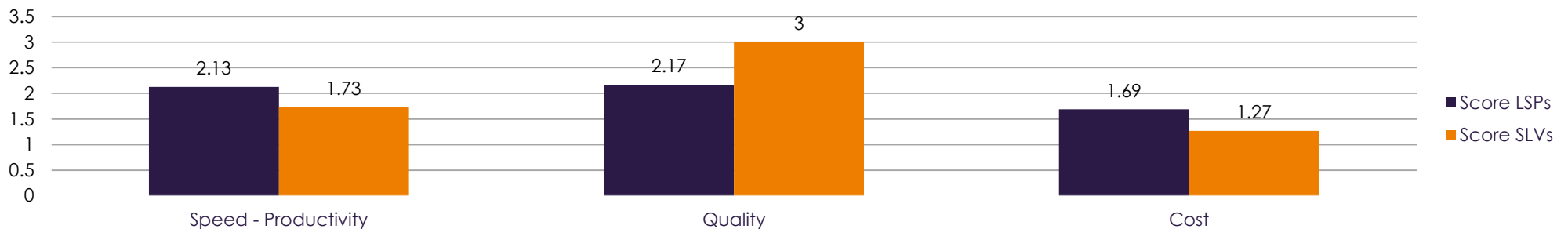


SURVEY RESULTS 10-11

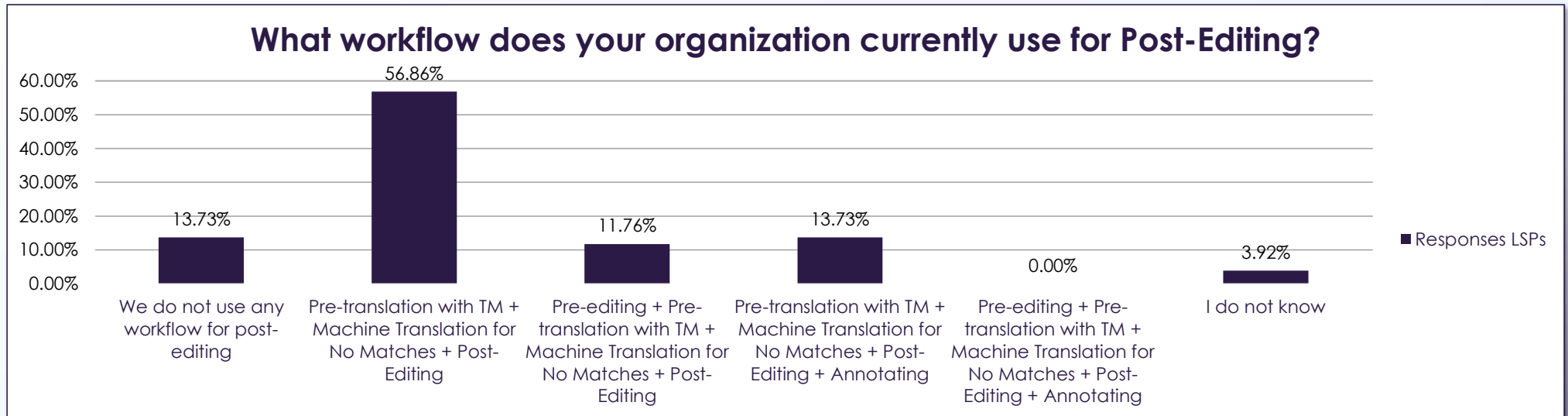
Prioritize the skills of post-editors in terms of importance using the ranking of 1 (highest) to 3 (lowest)



Prioritize the following elements of the post-editing service in terms of importance using the ranking of 1 (highest) to 3 (lowest)

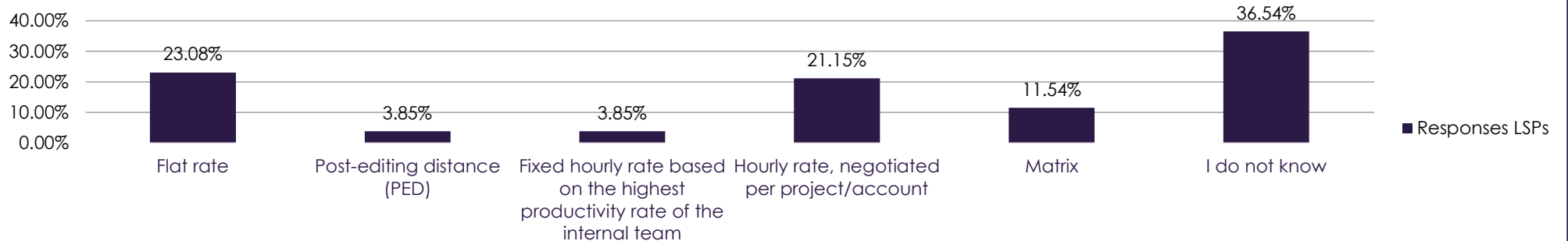


SURVEY RESULTS 12

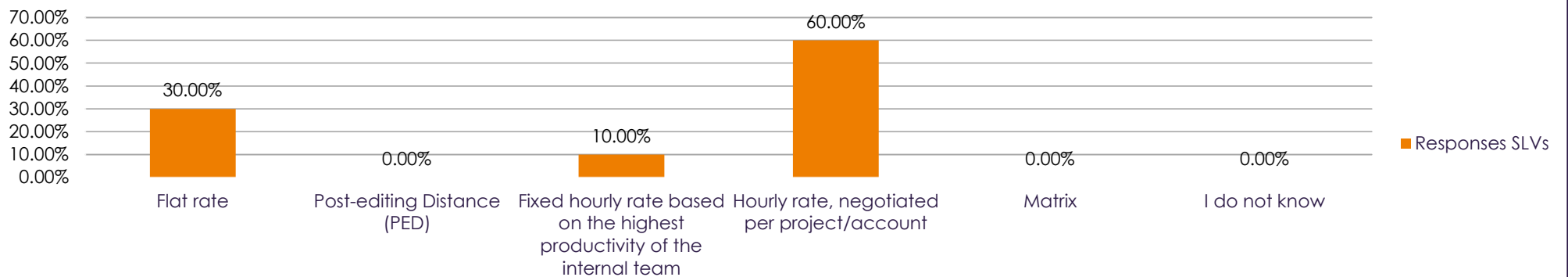


SURVEY RESULTS 13

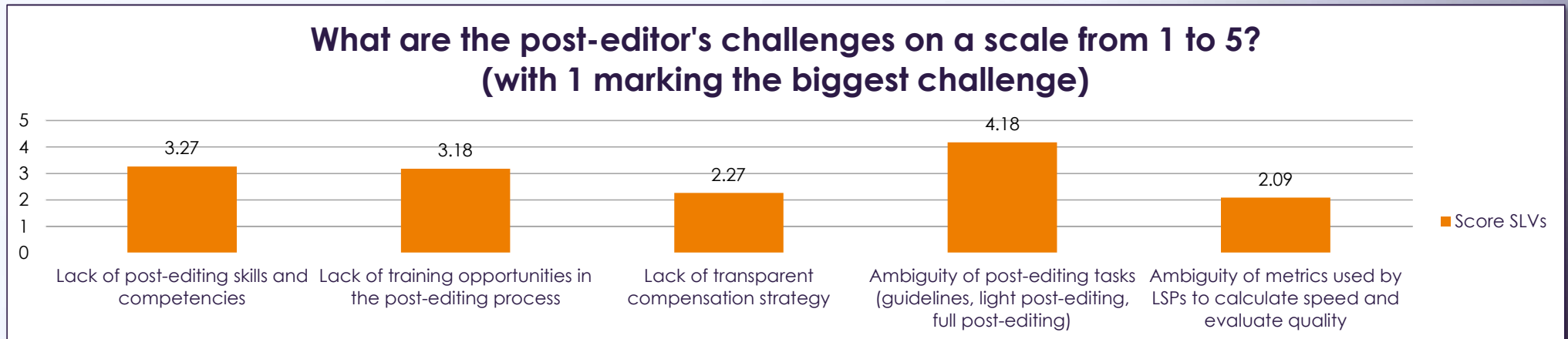
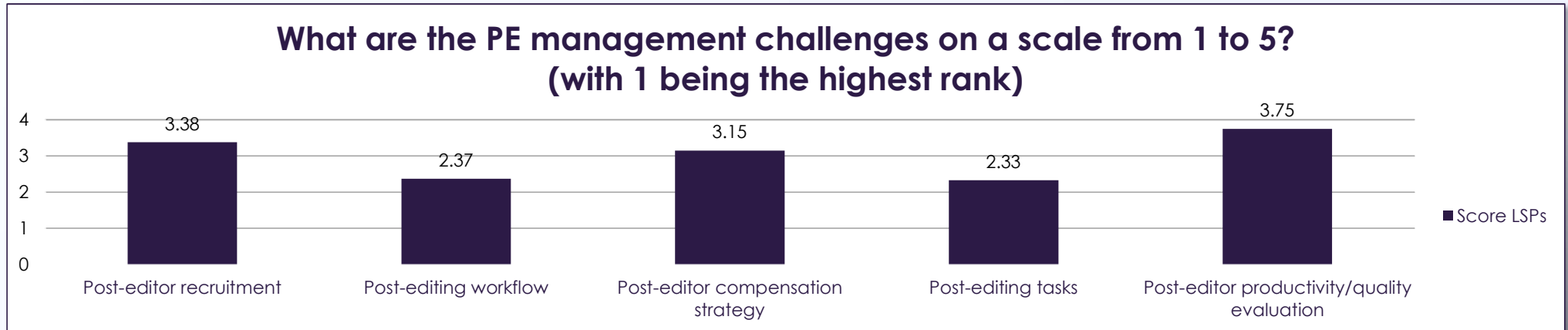
What compensation strategy does your company currently use for Post-Editing?



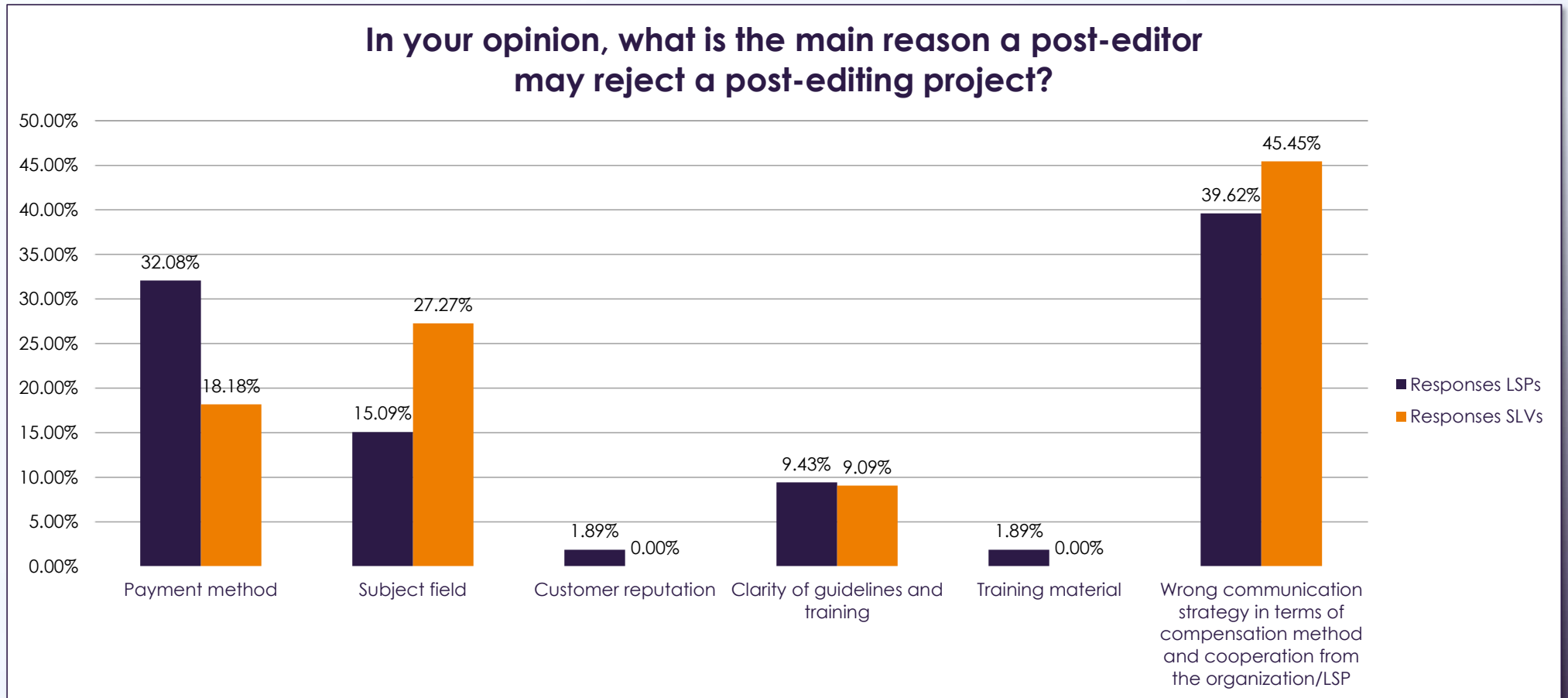
What compensation do you currently accept and find fair for Post-Editing?



SURVEY RESULTS 14

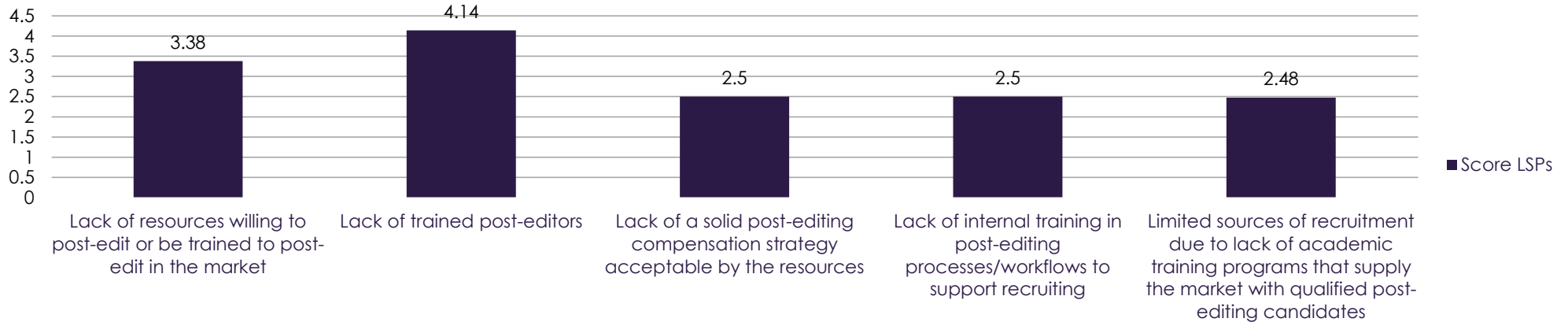


SURVEY RESULTS 15



SURVEY RESULTS 16

What are the main management challenges encountered while recruiting post-editors on a scale from 1 to 5? (with 1 being the biggest challenge)

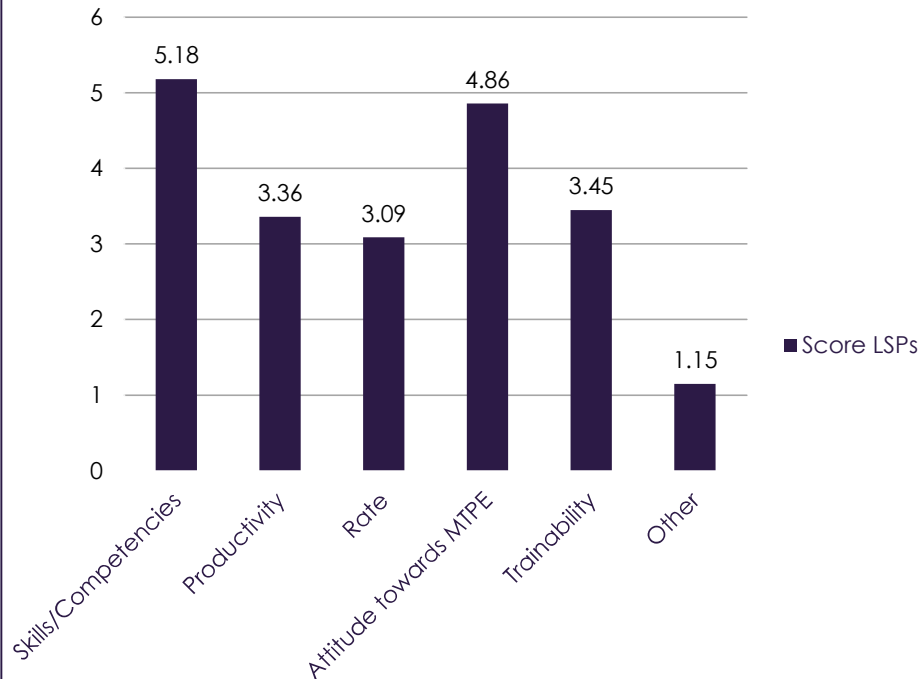


Do you receive training in MTPE from LSPs or another organization?

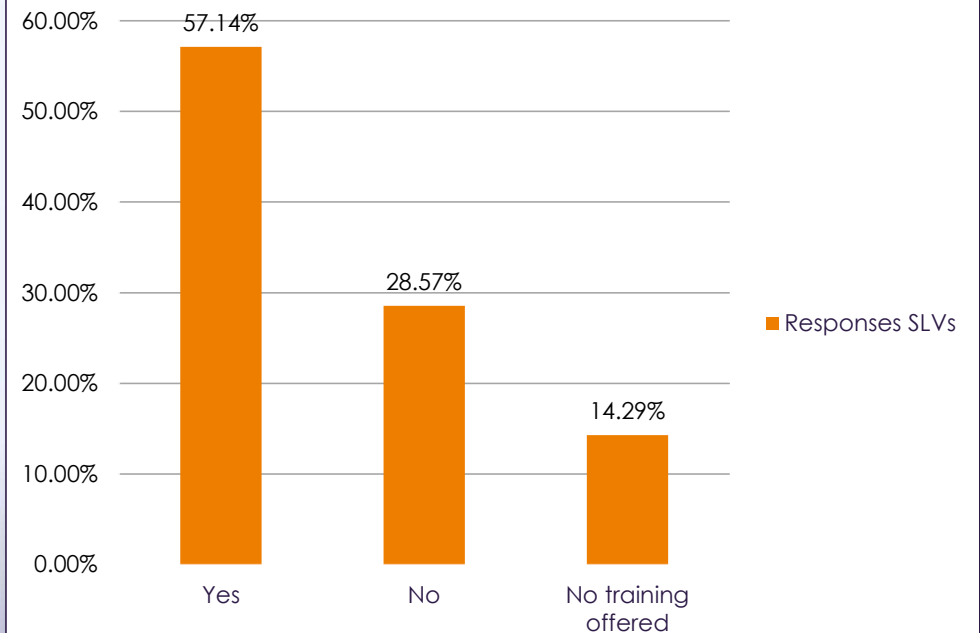


SURVEY RESULTS 17

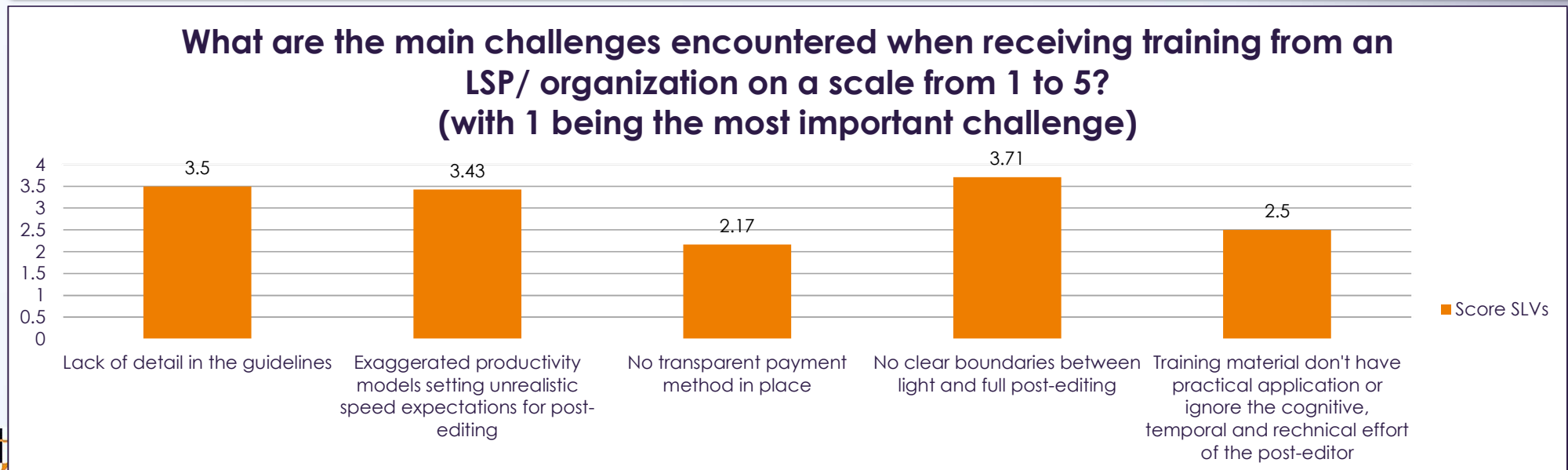
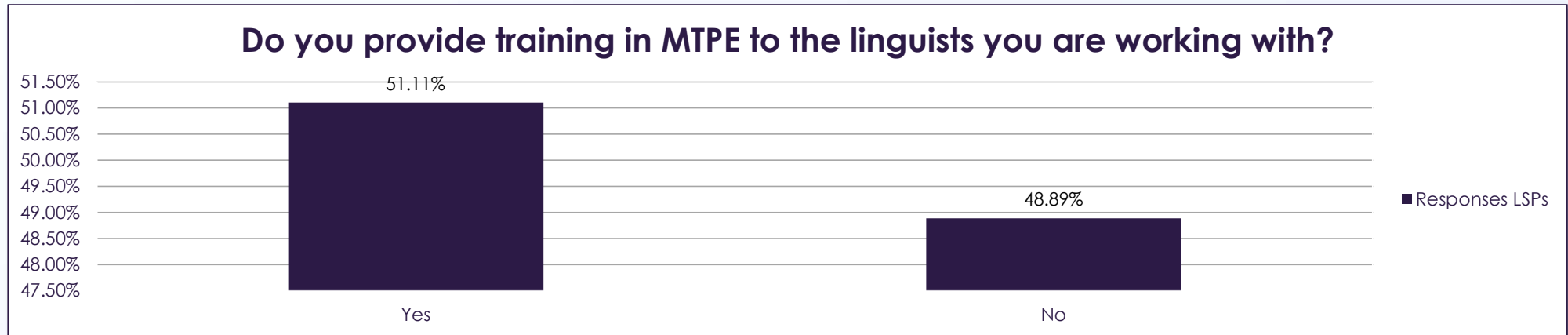
What are the criteria that you take into consideration when hiring a post-editor on a scale from 1 (most important) to 6?



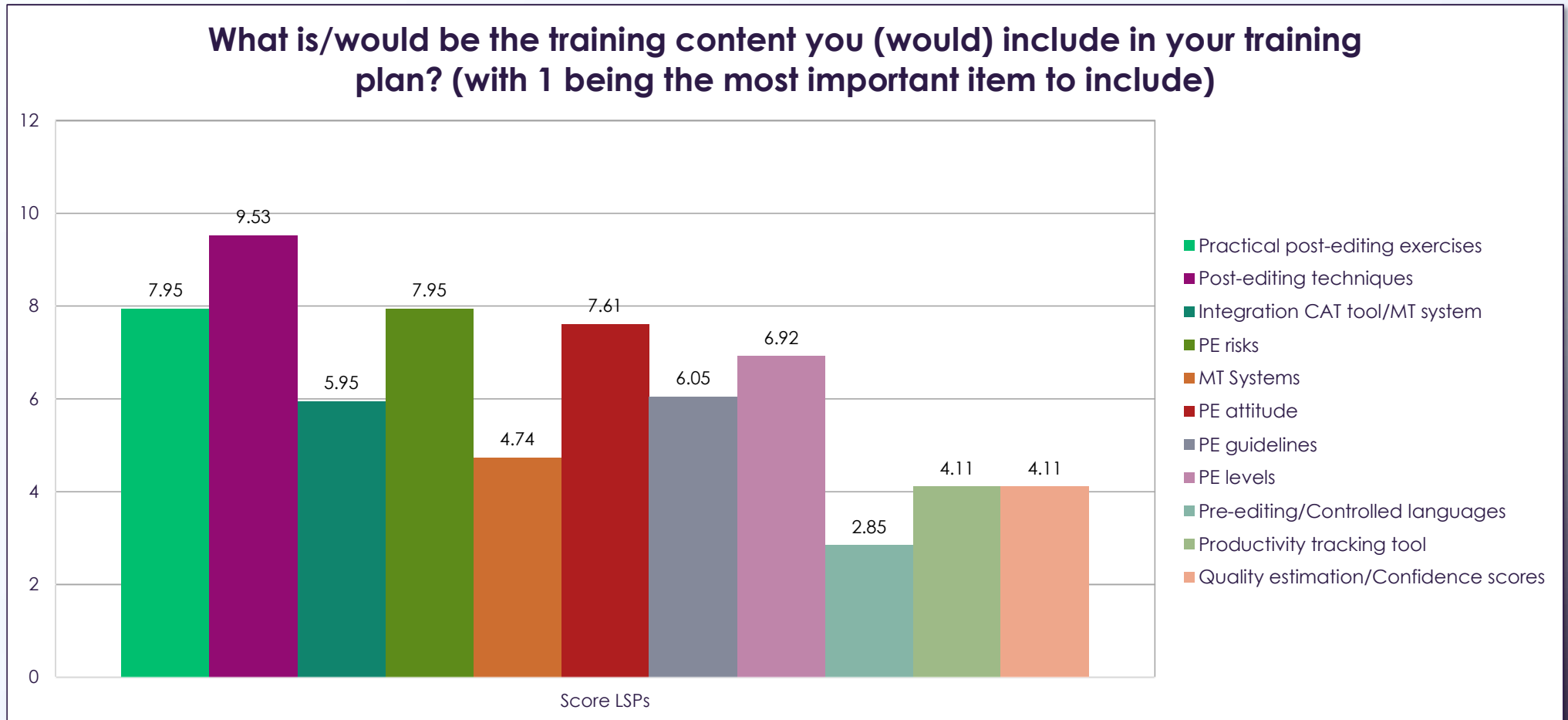
Is the training you are offered by LSPs and/or other organizations comprehensive and concise enough to meet their expectations in terms of speed and quality?



SURVEY RESULTS 18

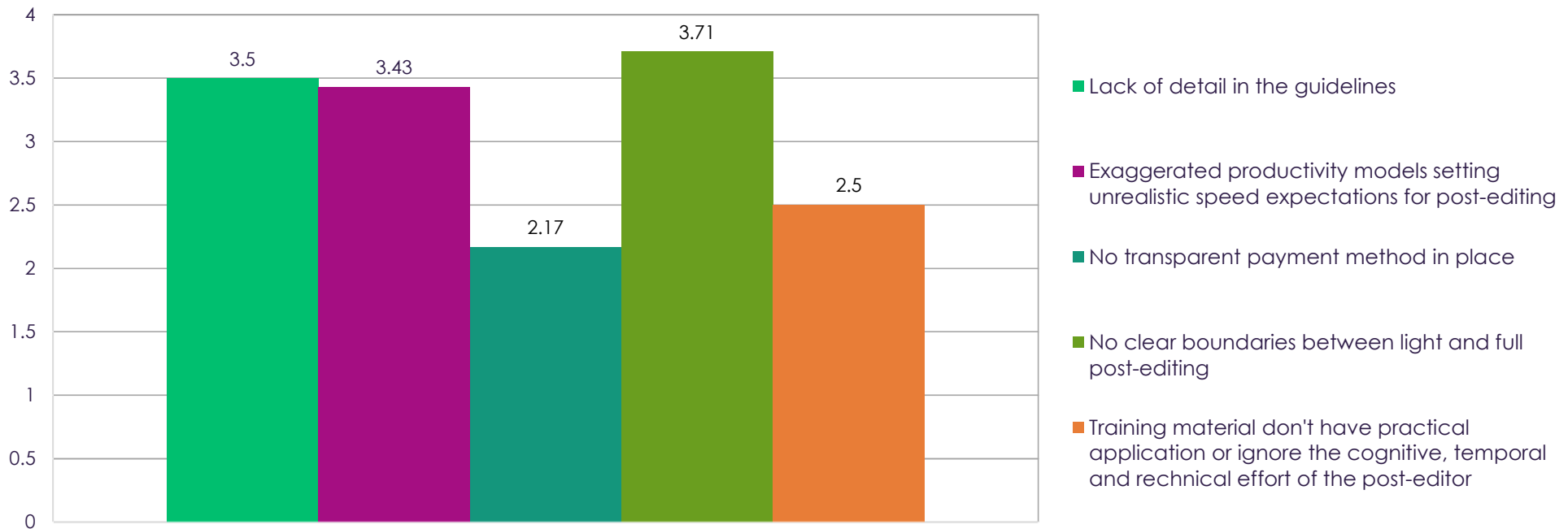


SURVEY RESULTS 19 - LSP



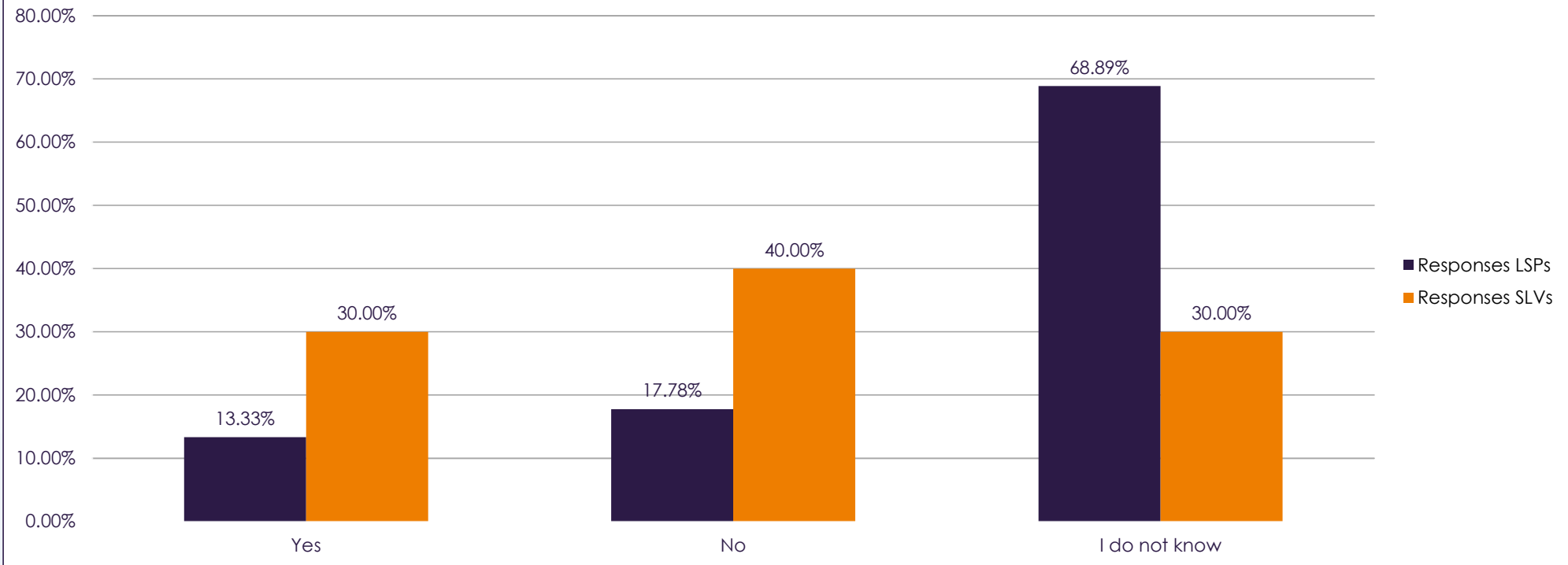
SURVEY RESULTS 19 - SLV

What are the main challenges encountered when receiving training from an LSP/ organization on a scale from 1 to 5? (with 1 being the most important challenge)



SURVEY RESULTS 20

Universities have begun to include PE training in the final years of their degree programs. Based on your experience, is the syllabus offered by Universities adapted to industry needs so that students are well-prepared to face the professional world?



HOW TO BUILD THE MTPE TRAINING PROTOCOL?

THE NEW ROLES

Pre-Editor

- Proficient knowledge of the source and contrastive knowledge of source and target
- Word processing
- Text Linguistics Knowledge
- Pre-editing and Controlled Language Skills

Post-Editor

- **Proficient knowledge of the source and contrastive knowledge of source and target**
- **Advanced word processing**
- **Fully key proficiency**
- **Efficiency in cursor positioning**
- **Effective use of search and replace functions**
- **Positive attitude towards MT**
- **Confidence in abilities and technical expertise**
- Ability to use macros and coded dictionaries
- Advanced terminology management skills
- Programming skills (for automatically correcting errors).
- Text Linguistics Knowledge.

Annotator

- Proficient knowledge of the source and contrastive knowledge of source and target
- Word processing
- Text Linguistics Knowledge
- Knowledge of the type errors of different MT systems
- Revision/Assessment skills



HOW TO BUILD THE MTPE TRAINING PROTOCOL?

THE NEW TASKS

Pre-Editing

- Avoid the use of more than 3 nouns
- Avoid many adjectives
- Use determiners
- Avoid spelling mistakes and make sure punctuation is correct
- Use of the active voice
- Use that, in order to and which after verbs that admit omissions
- Use always the same term for the same product, avoid synonyms
- Use general dictionary terms
- Use acronyms and abbreviations not ambiguous

Post-Editing

- Fix punctuation and capitalization
- Change sentence and phrase structures
- Edit grammatical agreements, e.g. singular/plural, masculine/feminine
- Add/delete punctuation symbols
- Change formatting
- Remove/add words
- Retranslate whole words or expressions
- Retain as much output as possible

Annotating

- Identify, describe, explain and evaluate MT errors
- Use properly the different categories of errors
- Use properly the different grades of severity of errors



HOW TO BUILD A TRAINING PROTOCOL? THE NEW APPROACH: LSPS, VENDORS & EDUCATION INSTITUTIONS

Vendor

- Understand the Specific Quality of MT
- Look at samples of representative output (100 segments+)
- Calculate Your Specific Productivity Words / Hour
- Understand if MT Output can be Improved

LSP

- Communicate business opportunities
- Leave the service decision-making to vendors
- Provide Training to all LSP Departments
- Explain the compensation strategy to Vendors
- Be aware of both Automatic & Human Assessment Metrics
- Share examples of MT for each account/project
- Establish a Threshold Limit for Compensation based on a productivity calculation on actual output from MT
- Determine MT Competence of Agency
- Err on the side of overcompensation than under
- Retrain the engine frequently so edits get easier

Education Institutions

- Consider a separate discipline for Post-Editing at a post-graduate or graduate level
- Promote the new roles
- Cooperate with LSPs to recruit volunteer candidates for surveys/tests to promote research
- Cover theoretical and practical aspects of post-editing: Theory and history of MT and PE, Practical use of MT and PE, Controlled language and pre-editing for MT, Post-editing without source text, Post-editing process research, Post-editing quality levels and guidelines, MT quality evaluation and PE effort, PE Competencies

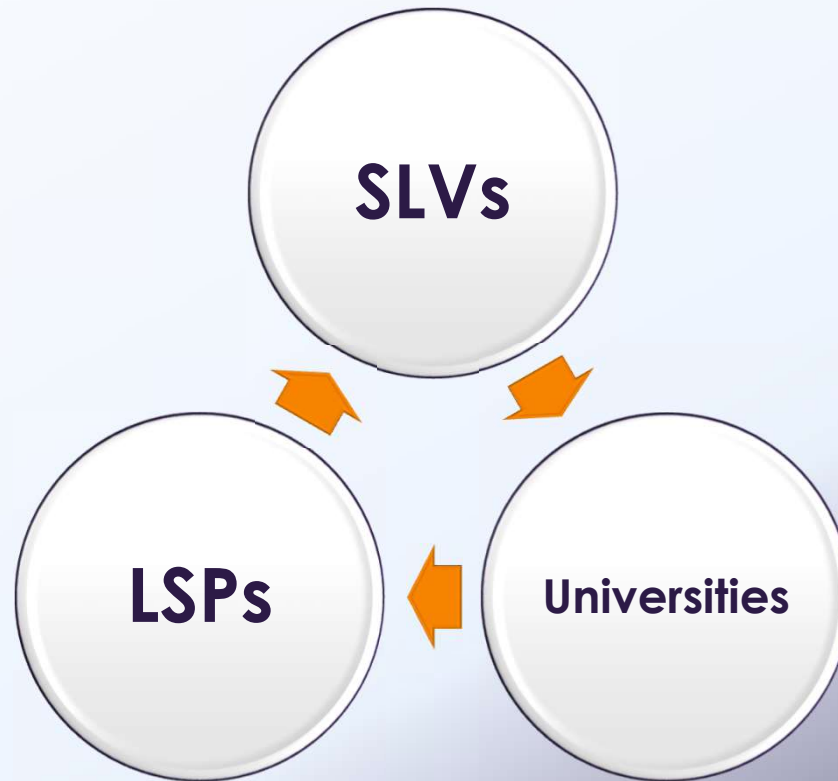


HOW TO BUILD A TRAINING PROTOCOL? EXISTING POST-EDITING TRAINING RESOURCES

- ▶ Industry Events
- ▶ SDL Online Post-Editing Course
- ▶ TAUS Guidelines and Courses
- ▶ Translation University Courses around the world



HOW TO BUILD A TRAINING PROTOCOL?



HOW TO BUILD A TRAINING PROTOCOL?

IDEAS

- Post-Editing Training Protocol with the participation of SLVs, LSPs and Universities
- Industry events focusing on more practical aspects and workshops to build the links between SLVs, LSPs and Universities
- Real post-editing projects offered by the LSPs to the Universities
- Different types of training exercises and tests provided by LSPs to SLVs



<https://nettt-conference.com/>
5-7th July 2021

The aim of the conference is to bring together academics in linguistics, translation studies, machine translation and natural language processing, as well as developers, practitioners, language service providers (LSPs) and vendors who work on or are interested in various aspects of technology for translation. The conference will be a distinctive and interdisciplinary event for discussing the latest developments and practices in translation technology.



AN INITIATIVE FOR A COMMON POST-EDITING TRAINING PROTOCOL FOR SLVs, LSPs & Universities

- ▶ A Common Post-Editing Training Protocol to address the challenges we currently face and promote our cooperation

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Feel free to send me your questions and feedback to
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**THANK YOU VERY MUCH
FOR YOUR ATTENDANCE**

