

Contents

Preface	iii
Acknowledgments	v
1 Let's get started...	1
2 Post-editing – what is it?	7
3 MT history – how has machine translation developed?	15
3.1 Historical development of MT	15
3.2 MT architectures	22
3.2.1 Rule-based machine translation (RBMT)	22
3.2.2 Statistical machine translation (SMT)	24
3.2.3 Neural machine translation (NMT)	25
4 Post-editing guidelines – how to post-edit?	29
4.1 Considerations on PE guidelines	29
4.1.1 Light PE	30
4.1.2 Full PE	31
4.1.3 Monolingual PE	32
4.2 ISO 18587 – the post editing standard	33
5 MT and text types – which influence do they have?	39
6 Post-editing and tools – how do they interact?	43
6.1 Introduction to translation memory systems	43
6.2 Machine translation in translation memory systems	45
6.3 New approaches	46
7 Post-editing risks and data security – which pitfalls can arise?	51
7.1 Post-editing risks assessment	51
7.2 Post-editing and data security	54

Contents

8 Workflows for post-editing projects – which decisions have to be taken?	59
8.1 Text types, risk considerations, and data security	60
8.2 MT quality	62
8.3 Turnaround time, life span of translations, and available resources	65
8.4 Decision tree for PE	66
9 Post-editing profiles – which competences are needed?	69
9.1 PE competences	69
9.2 Job profiles	74
9.2.1 PE competences for post-editors	74
9.2.2 PE competences for MT engineers	75
9.2.3 PE competences for PE consultants	76
9.3 PE training and education	77
10 Food for thought and wrap-up	81
References	87
Index	95
Name Index	95
Language Index	95
Subject Index	95