5

Contents

Forewore	d	11
Preface		13
1. Chapt Litera	ter: Introduction	15 17
2. Chapt	ter: Revision of the Standardised Approach for Credit Risk (SA-CR)	19
2.1	Introduction	19
2.2	General aspects	23
2.3	Determination of the exposure value	25
	Exposures to institutions	26
	Exposures to corporates	29
	Specialised lending exposures	30
	Subordinated debt and equity exposures	32
	Retail exposures	33
2.9	Exposures secured by mortgages on immovable property	34
	2.9.1 General requirements	35
	2.9.2 Calculation of the exposure-to-value (ETV)	36
	2.9.3 Exposures secured by mortgages on residential immovable	
	property	37
	2.9.4 Risk positions secured by mortgages on commercial immovable	
	property	40
	2.9.5 Receivables related to land acquisition, development and	
	construction (ADC)	41
	2.9.6 Changes compared to the current CRR regulations	42
	Defaulted receivables	43
	Other assets	43
	Additional risk weights for risk positions with currency mismatches	43
2.13	Use of external ratings	44
	2.13.1 General aspects	44
2.14	Credit risk mitigation techniques	46
	2.14.1 The financial collateral simple method	46
	2.14.2 The financial collateral comprehensive method	47
	2.14.3 Eligibility of repurchase agreements and similar transactions	48
0.1-	2.14.4 Consideration of guarantees and credit derivatives	49
	Summary	50
Litera	ature	51

 \oplus

6

 \oplus

Contents

Æ

3. Chapt	ter: The future of the IRB Approach	53
3.1	Introduction to the fundamentals of the IRB approach in accordance	
	with CRR	53
	3.1.1 Introduction to the IRB risk weight formula	54
	3.1.2 The adoption of the IRB approach	60
	3.1.3 Calculation of RWA and EL	60
	3.1.4 Minimum requirements for the entry and ongoing use of the	
	IRBA	66
	3.1.5 Approval process: home/host coordination	73
	3.1.6 Decision on the application	73
3.2	The implementation of the Basel Committee's initiative to improve the	
	IRB approach in the EU	74
	3.2.1 Introduction	74
	3.2.2 Scope of the internal models	76
	3.2.3 Partial use of the IRB approach	80
	3.2.4 Risk parameter floors as an instrument RWA variability reduction	82
	3.2.5 Parameter estimation procedure	84
	3.2.6 Credit risk mitigation	87
	3.2.7 Changes in the modelling specifications	88
	3.2.8 Expected impact on banks	90
	3.2.9 Conclusions	93
Litera	ature	94
	ter: Supervisory treatment of market risks	95
	Introduction	95
	General and overarching adjustments	96
	Revised trading book boundary	97
4.4	Adjustments to the requirements for reclassifications	
	(Article 104a CRR 3)	99
4.5	Adjustments to the requirements for internal risk transfers	
	(Article 106 CRR 3)	100
	Revised treatment of investments in funds in the trading book	101
4.7	Adjustments to the Alternative Standardised Approach for market risk	103
	4.7.1 Adaptation to the qualitative requirements of the A-SA	104
	4.7.2 Technical adjustments to the Alternative Standardised Approach	104
4.0	for market risk (A-SA)	104
	Simplified standardised approach for market risk (S-SA)	107
4.9	Alternative Internal Model Approach for market risk (A-IMA)	107
	4.9.1 Permission and own funds requirements	108
	4.9.2 General requirements4.9.3 Internal model for default risks	108
4 10	4.9.3 Internal model for default risks Conclusion	109
Litera		110 110
LICIC		110

 \oplus

 \oplus

Contents		
5. Chap	ter: The CVA risk capital charge framework	113
5.1	Introduction	113
5.2	Hierarchy of approaches	114
5.3	CVA exemptions and securities financing transactions	116
5.4	Standardised approach for CVA	117
	5.4.1 Regulatory CVA model	117
	5.4.2 Calculation of own funds requirements	118
5.5	Basic approach for CVA	122
	5.5.1 Determination of the regulatory capital requirements on the	
	basis of the basic CVA	122
	5.5.2 Determination of the reduced version of the BA-CVA in detail	122
	5.5.3 Determination of the full version of the BA-CVA in detail	124
	Conclusion and expected impact	126
Liter	ature	126
6. Chap	ter: Operational risks	129
6.1	Background	129
6.2	Methods for determining OpRisk according to Basel II	130
	6.2.1 Basic indicator approach and standardised approach	131
	6.2.2 Advanced measurement approaches	132
	6.2.3 Criticism of existing approaches	133
6.3	Overview: From Basel II to CRR 3	133
6.4	Standardised approach to operational risk (BCBS 424)	135
	6.4.1 Functioning of the revised standardised approach	135
	6.4.2 Calculation of annual OpRisk-related losses	140
	6.4.3 Management of operational risks	142
	6.4.4 Disclosure	143
6.5	Outlook	144
	6.5.1 Capital requirements for OpRisk	144
	6.5.2 Further consideration	144
	Summary and conclusion	145
Liter	ature	147
7. Chap	ter: The output floor	149
7.1	Introduction	149
7.2	Reasons for the introduction of the output floor	151
	7.2.1 Outdated or no Basel I calculation systems	151
	7.2.2 National deviations in the implementation of Basel I and the	
	Basel I capital floor	152
	7.2.3 The scope of application of the Basel I floor	152
	7.2.4 Development of new standard approaches	152
7.3	The CRR 3 output floor	155
	7.3.1 Scope of CRR 3 output floors	155
	7.3.2 Calculation of the CRR 3 output floor	155

 \oplus

 \oplus

7

8

 \oplus

С	ontents

Æ

	7.3.3 Transitional arrangements for the output floor pursuant to CRR 3	158
	7.3.4 Selection of the right standardised approach	159
	7.3.5 Deviations from Basel IV capital floor	159
7.4	Objectives and effects of the output floor	160
	7.4.1 Impact of the output floor on standard approaches and their	
	implementation	160
	7.4.2 Optimization of the standardised approaches	161
	7.4.3 Influence of the output floor on valuation models	164
	7.4.4 Interaction between the floor and the scope of the IRB approach	167
7.5	Conclusion	168
Litera	ature	169
8. Chapt	ter: Disclosure	171
-	Introduction	171
8.2	Proportionality principle	172
	Risk management objectives and policy	174
	Scope of disclosure	174
	Own funds	175
8.6	Capital requirements and risk-weighted exposure amounts	176
	Counterparty credit risk	177
8.8	Countercyclical capital buffer	178
8.9	Indicators of global systemic importance	178
8.10	Credit risk	178
	8.10.1 Credit risk mitigation	180
	8.10.2 Credit risk in the standardised approach	180
8.11	Asset encumbrance	181
8.12	Market risk	181
8.13	CVA risk	181
8.14	Operational risk	182
	Disclosure of key parameters ("key metrics")	183
	Interest rate risk of the banking book (IRRBB)	183
	Securitisations	184
	Environmental, social and governance risks – ESG risks	184
	Remuneration policy	187
	Leverage ratio	188
	Liquidity ratios	188
	Conclusion and expected impact	189
Litera	iture	189
9. Chapt	ter: MREL and TLAC as part of the resolution regime	191
9.1	Introduction	191
9.2	Key requirements for resolution capability	193
	9.2.1 Minimum requirements of the EBA	193
	9.2.2 Minimum requirements of the SRB	193

 \oplus

Œ

O a m t a m t	-
Content	s

9.3	TLAC	197
	9.3.1 TLAC implementation	197
	9.3.2 TLAC calibration	198
	9.3.3 TLAC-eligible liabilities	198
	9.3.4 Resolution units and internal TLAC	198
	9.3.5 TLAC holdings	202
	9.3.6 TLAC reporting requirements	202
	9.3.7 TLAC disclosure	203
9.4	MREL	203
	1	203
	9.4.2 MREL calibration	204
	8	205
		208
	8	210
		210
		213
9.5		214
Litera	ture	216
10. Chap	ter: ESG: Regulatory overview for dealing with sustainability risks	219
10.1	Sustainability risks in the financial sector	219
10.2	Consideration of sustainability aspects in SREP	219
	10.2.1 Regulatory background	219
	10.2.2 Overview of the expectations of European banking supervision	222
	10.2.3 Consideration of ESG in the Supervisory Review and	
	Evaluation Process (SREP)	225
10.3	ESG ratings - methodology and comparison	226
	, 8	226
	8	229
		232
10.4		238
	10.4.1 A possible adjustment of the minimum capital requirements	
	8	238
		240
	10.4.3 "Green Supporting Factor" and "Brown Penalty Factor"	
	······································	241
	10.4.4 Sustainability Factor (SF) and Sustainability Weight (SW)	
	7 11	243
T •.		245
Liter	lture	247
11. Chap	ter: Cryptoassets	249
11.1	Definition and types of cryptoassets	249
11.2	Development of a prudential framework	250

 \oplus

Œ

		Contents
11.3	Classification procedure for cryptoassets	251
11.4	Regulatory requirements in relation to Group 1 cryptoassets	253
	11.4.1 Credit risk	253
	11.4.2 Market price risk	256
	11.4.3 Add-on factor for infrastructure risk	257
	11.4.4 Credit valuation adjustment (CVA)	257
	11.4.5 Determination of counterparty default risk	258
11.5	Regulatory requirements in relation to Group 2a cryptoassets	258
	11.5.1 Minimum capital requirements for credit and market risk	259
	11.5.2 Credit valuation adjustment	260
	11.5.3 Determination of counterparty default risk	260
11.6	Regulatory requirements in relation to Group 2b cryptoassets	261
	11.6.1 Minimum capital requirements for credit and market risk	261
	11.6.2 Credit valuation adjustment	261
	11.6.3 Determination of counterparty default risk	261
11.7	Final BCBS standard	262
11.8	Conclusion	263
Litera	ature	263
12. Chap	ter: Further requirements of CRD 6	265
12.1	Introduction	265
12.2	Supervisory powers	265
	12.2.1 Requirements for the independence of competent authorities	265
	12.2.2 Extension of supervisory powers in the case of acquisitions,	
	disposals, mergers and divisions	266
	12.2.3 Professional qualification and personal reliability	
	(Fit & Proper)	267
12.3	Branches from third countries	269
	12.3.1 Approval	270
	12.3.2 Minimum regulatory requirements	270
	12.3.3 Reporting requirements	272
	12.3.4 Supervision	272
	12.3.5 Conclusion	273
Litera	ature	273

 \oplus

 \oplus