

OWN ESTIMATES OF VOLATILITY ADJUSTMENTS UNDER THE FINANCIAL COMPREHENSIVE METHOD: CRR ARTICLE 225

Guidance on completion of template

The following template must be completed, together with the CRR permission application form, by a firm applying for Article 225 permission. The second column should be used to indicate whether the minimum standard is met. All standards must be met before permission will be granted. The third column requires a brief description of how the minimum standard is met.

Application Details	
	Signature
Attestation by a Significant Influence Function (SIF) of compliance with	
the relevant CRR requirements.	

Factors demonstrating CRR standard is met		
CRR Standard	Meets Standard? (Yes/No)	Firm Analysis
		Please demonstrate using examples where appropriate how the minimum standards are met. This should include links to additional documentation (e.g. details of methodology; spreadsheet of comparative volatility estimates) where necessary.
Section 1: Categorisation of securities		,
For debt securities that have a credit assessment from an ECAI equivalent to investment grade or better, is a volatility estimate for each category of security is calculated? Give details. For debt securities that have a credit assessment from an ECAI equivalent to below investment grade, and for other eligible collateral, are the volatility adjustments for each individual item calculated? Give		
details. Is volatility of the collateral or foreign exchange mismatch estimated without taking into account any correlations between the unsecured exposure, collateral or exchange rates?		

How are relevant categories of	
securities determined? Does it	
take into account the type of	
issuer of the security, the	
external credit assessment of	
the securities, their residual	
maturity, and their modified	
duration? Give details.	
Are Volatility estimates	
representative of the securities	
included in each category?	
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Section 2: Calculation of	
volatility adjustments (article	
225(2))	
The calculation is based on a	
99th percentile, one-tailed	
confidence interval	
The calculation is based on the	
following liquidation periods	
(and provide detail on which	
categories of securities the	
volatility adjustments are	
calculated for using these	
periods):	
(i) 20 business days	
for secured lending	
transactions;	
(ii) 5 business days for	
, ,	
repurchase	
transactions,	
insofar as	
transactions involve	
the transfer of	
commodities or	
guaranteed rights	
relating to title to	
commodities and	
securities lending or	
borrowing	
transactions	
(iii) 10 business days	
for other capital	
market driven	
transactions;	
Where volatility adjustment	
numbers are calculated in	
accordance with shorter or	
longer liquidation periods but	
scaled up or down to the	
minimum liquidation periods set	
out in Article 225(2)(b), using	
the square root of time formula	
set out in Article 225(2)(c).	

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Provide detail on which		
categories of securities the		
volatility adjustments are		
calculated for in this manner.		
The liquidity of lower quality		
assets is taken into account.		
The liquidation period is		
adjusted upwards in cases		
where there is doubt concerning		
the liquidity of the collateral.		
Historical data that may		
understate potential volatility is		
identified and is dealt with by		
means of a stress scenario.		
The length of the historical		
observation period institutions		
use for calculating volatility		
adjustments is at least one		
year.		
Where a weighting scheme or		
other methods for the historical		
observation period is used, the		
length of the effective		
observation period is at least		
one year.		
The data sets and calculated		
volatility adjustments are		
updated at least once every		
three months.		
Data sets are also reassessed		
whenever market prices are		
subject to material changes.		
Indicate whether intend to use		
an internal model for which an		
IMA Permission has already		
been granted by the PRA under		
article 363 of the CRR for the		
calculation of own estimates of		
volatility adjustments (if not, further information as set out in		
(a) – (c) below should be		
provided).		
(a) Provide documentation		
of methodologies used		
to calculate own		
estimates of volatility,		
and confirm that this		
meets the requirements		
set out in this Section 2.		
(b) Demonstrate that the		
unit in charge of the		
design and		
implementation of the		
own estimates of		
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volatility adjustments is		
independent from		
business trading units		
(c) Give details of ongoing		
program of validation		
and back-testing which		
the firm uses to		
reassure itself with the		
appropriateness of own		
estimates of volatility		
and continued		
compliance with the		
standards required by		
Article 225		
Section 3: Estimation of		
volatility adjustments (Article		
225(3))		
Volatility estimates are used in		
the day-to-day risk		
management process including		
in relation to internal exposure		
limits.		
If the liquidation period used by		
an institution in its day-to-day		
risk management process is		
longer than that set out in article		
225(2)(b) for the type of		
transaction in question, volatility		
adjustments are scaled up in		
accordance with the square root		
of time formula set out in article		
225(2)(c).		
There are procedures for		
monitoring and ensuring		
compliance with documented		
set of policies and controls for		
the operation of the system for		
the estimation of volatility		
adjustments and for the		
integration of such estimations		
into its risk management		
process.		
An independent review of the		
system for the estimation of		
volatility adjustments is carried		
out regularly within the		
institution's own internal		
auditing process.		
A review of the overall system		
for the estimation of volatility		
adjustments and for the		
integration of those adjustments		
into the institution's risk		
management process takes		
anagement process takes	l	I

place at least once a year.	
The subject of that overall	
system review includes at least	
the following:	
(i) the integration of	
estimated volatility	
adjustments into daily	
risk management;	
(ii) the validation of any	
significant change in	
the process for the	
estimation of volatility	
adjustments;	
(iii) the verification of the	
consistency, timeliness	
and reliability of data	
sources used to run the	
system for the	
estimation of volatility	
adjustments, including	
the independence of	
such data sources;	
(iv) the accuracy and	
appropriateness of the	
volatility assumptions	
Section 4: Further evidence	
of compliance with art 225	
Give details of the ongoing	
program of validation which the	
firm uses to reassure itself with	
the appropriateness of own estimates of volatility and	
continued compliance with the	
standards required by article	
225.	
Please provide a comparison	
between own estimates of	
volatility (as-of the previous	
period for regulatory reporting of	
own funds requirements) and	
supervisory volatility	
adjustments set out in article	
224 for all types of financial	
collateral used.	
Confirm that such a comparison	
is carried out at least annually,	
as of 31 st March.	
Please provide the following as	
evidence of the impact (as-of	
the previous period for	
regulatory reporting of own	
funds requirements) on own	
funds requirement of using own	
estimates of volatility	

-	ed to supervisory / adjustments set out in	
	three most recent	
	end dates, please	
-	the following.	
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(a)	Total Pillar 1 own funds requirements calculated using (i) supervisory volatility adjustments; and (ii) own-estimates volatility adjustments;	
	and	
(b)	Own funds requirements for Pillar 1 Counterparty default risk calculated using (i) supervisory volatility adjustments; and (ii)	
	own-estimates volatility	
	adjustments.	
(c)	Own funds requirements for Pillar 1 CCP default risk calculated using (i) supervisory volatility adjustments; and (ii) own-estimates volatility adjustments.	
(d)	Own funds requirements for Pillar 1 CVA risk calculated using (i) supervisory volatility adjustments; and (ii) own-estimates	
	volatility adjustments.	
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