Prudential sourcebook for MiFID Investment Firms

Chapter 5

Concentration risk



5.1 Application and purpose

		Application: Who?
5.1.1	R	This chapter applies to:
		(1) a MIFIDPRU investment firm; and
		(2) a <i>UK parent entity</i> that is required by ■ MIFIDPRU 2.5.7R to comply with ■ MIFIDPRU 5 on the basis of its <i>consolidated situation</i> .
5.1.2	R	Where this chapter applies on the basis of the consolidated situation of the UK parent entity, any reference to a "firm" or "MIFIDPRU investment firm" in this chapter is a reference to the hypothetical single MIFIDPRU investment firm created under the consolidated situation.
5.1.3	G	■ MIFIDPRU 2.5.45G and ■ 2.5.46G contain additional <i>guidance</i> on how a <i>UK</i> parent entity should apply the requirements in this chapter on a consolidated basis.
5.1.4	G	■ MIFIDPRU 5.2 to ■ 5.10 do not apply to a <i>commodity and emission allowance</i> dealer in the circumstances set out in ■ MIFIDPRU 5.11.
		Application: What?
5.1.5	R	■ MIFIDPRU 5.2 applies to all of a <i>firm's</i> activities that may give rise to concentration risk.
5.1.6	G	■ MIFIDPRU 5.2 is therefore relevant to both a <i>MIFIDPRU investment firm</i> that deals on own account and one that does not (e.g. an <i>SNI MIFIDPRU investment firm</i>).
5.1.7	R	■ MIFIDPRU 5.3 to ■ 5.10 apply to a <i>firm</i> when <i>dealing on own account</i> in relation to transactions that are recorded in the <i>trading book</i> .
5.1.8	G	■ MIFIDPRU 5.3 to ■ 5.10 apply whether a <i>firm</i> is <i>dealing on own account</i> for itself or on behalf of a <i>client</i> .
5.1.9	G	A MIFIDPRU investment firm that has permission to operate an organised trading facility may rely on that permission to:

- (1) engage in *matched principal trading* in certain types of *financial instruments* with *client* consent, in accordance with MAR 5A.3.5R(1); and
- (2) deal on own account in illiquid sovereign debt instruments in accordance with MAR 5A.3.5R(2).

Purpose

5.1.10 G

This chapter contains:

- (1) Rules and guidance on how a MIFIDPRU investment firm must monitor and control concentration risk (■ MIFIDPRU 5.2).
- (2) Rules and guidance on the concentration risk requirements that apply to the trading book exposures of a MIFIDPRU investment firm that is dealing on own account (■ MIFIDPRU 5.3 to MIFIDPRU 5.10).
 MIFIDPRU 5.3 sets out an overview of these requirements.

.....

(3) Rules and guidance on when a commodity and emission allowance dealer is exempt from the requirements of this chapter (■ MIFIDPRU 5.11).

•••••

Interpretation

5.1.11 G

In this chapter, references to *client* include any counterparty of the *firm*.

5.1.12 R

Subject to ■ MIFIDPRU 5.1.13R to ■ MIFIDPRU 5.1.16R, a *group of connected clients* means:

- (1) two or more *persons* who, unless it is shown otherwise, constitute a single risk because one of them, directly or indirectly, has *control* over the other or others; or
- (2) two or more *persons* between whom there is no relationship of *control* as described in (1) but who are to be regarded as constituting a single risk because they are so interconnected that, if one of them were to experience financial problems, in particular funding or repayment difficulties, the other or all of the others would also be likely to encounter funding or repayment difficulties.
- 5.1.13 R

Where a central government has direct *control* over, or is directly interconnected with, more than one *person*, they do not all have to be treated as a single *group of connected clients*. Instead, the existence of a *group of connected clients* may be assessed separately at the level of each *person* directly *controlled* by or directly interconnected with the central government, which must include all of the natural and legal *persons* which are *controlled* by or interconnected with that *person*, including the central government.

5.1.14 R

Regional governments and local authorities, whether in the *United Kingdom* or a *third country*, may be treated in the same way as central governments under MIFIDPRU 5.1.13R if there is no difference in the risk they pose compared to central governments.

5.1.15 G

- (1) There may be no difference in the risk posed by a regional government or local authority if it has specific revenue-raising powers, or if there are specific institutional arrangements which reduce the risk of default.
- (2) The PRA maintains a list of all regional governments and local authorities within the *United Kingdom* which it treats as exposures to the central government of the *United Kingdom*, in accordance with article 115 of the UK CRR. A firm may have regard to this list when applying the test in ■ MIFIDPRU 5.1.14R to regional governments and local authorities in the United Kingdom.

5.1.16

Two or more *persons* do not constitute a single *group of connected clients* solely because of their direct exposure to the same central counterparty for clearing purposes.

Exposures to trustees

5.1.17

For the purposes of this chapter, if a firm has an exposure to a person ('A') when A is acting on its own behalf, and also an exposure to A when A acts in the capacity of trustee, custodian or general partner of an investment trust, unit trust, venture capital or other investment fund, pension fund or a similar fund (a "fund"), the firm may treat the latter exposure as if it was to the fund as a separate client, unless such treatment would be misleading.

5.1.18

When considering whether such treatment would be misleading, a firm should consider factors such as:

- (1) the degree of independence of control of the fund, including the relation of the fund's board and senior management to the firm or to other funds or to both;
- (2) the terms on which the counterparty, when acting as trustee, is able to satisfy its obligation to the firm out of the fund of which it is trustee:
- (3) whether the beneficial owners of the fund are connected to the firm, or related to other funds managed within the firm's group, or both; and
- (4) for a counterparty that is connected to the *firm* itself, whether the exposure arises from a transaction entered into on an arm's length basis.

5.1.19 G

In deciding whether a transaction is at arm's length, the following factors should be taken into account:

- (1) the extent to which the *person* to whom the *firm* has an exposure ('A') can influence the *firm*'s operations through, for example, the exercise of voting rights;
- (2) the management role of A where A is also a director of the firm; and
- (3) whether the exposure would be subject to the *firm's* usual monitoring and recovery procedures if repayment difficulties emerged.



5.2 **Monitoring obligation**

- 5.2.1 A firm must monitor and control its concentration risk using sound administrative and accounting procedures and robust internal control mechanisms.
- G 5.2.2 ■ MIFIDPRU 5.2.1R requires a firm to monitor and control all sources of concentration risk. This is not limited to trading book exposures, but also includes any concentration in assets not recorded in a trading book (for example, trade debts) and off-balance sheet items. It also includes any concentration risk that may arise from the following:
 - (1) the location of client money;
 - (2) the location of custody assets;
 - (3) a firm's own cash deposits; and
 - (4) earnings.



5.3 Overview of concentration risk requirements for dealing on own account

5.3.1 G

- MIFIDPRU 5.4 to MIFIDPRU 5.10 contain the concentration risk requirements that apply to the trading book exposures of a MIFIDPRU investment firm that is dealing on own account:
 - (1) MIFIDPRU 5.4 explains how a *firm* should calculate the value of its exposure to each *client* or *group of connected clients* (the *exposure value* or *EV*).
 - (2) MIFIDPRU 5.5.1R explains how a firm should calculate the concentration risk soft limit for its exposure to a client or group of connected clients.
 - (3) MIFIDPRU 5.5.3R explains how a firm should calculate the value by which its exposure to each client or group of connected clients exceeds the concentration risk soft limit (the exposure value excess or EVE). The EVE is relevant to the calculation of the K-CON requirement.
 - (4) MIFIDPRU 5.6 contains the obligation to calculate the K-CON requirement and to notify the FCA if the value of a firm's exposure to a client or group of connected clients exceeds the concentration risk soft limit.
 - (5) MIFIDPRU 5.7 explains how to calculate the K-CON requirement.
 - (6) MIFIDPRU 5.8 contains *rules* designed to prevent *firms* from avoiding the *K-CON requirement*.
 - (7) MIFIDPRU 5.9 contains the 'hard' concentration risk limits, and associated provisions.
 - (8) MIFIDPRU 5.10 excludes certain exposures from the concentration risk requirements in MIFIDPRU 5.4 to 5.9.



5.4 Calculation of exposure value (EV)

- 5.4.1 For the purposes of ■ MIFIDPRU 5.5 to ■ MIFIDPRU 5.10, a *firm* must calculate an exposure value (EV) for each client or group of connected clients by adding together the following items:
 - (1) the positive excess of the firm's long positions over its short positions in all the trading book financial instruments issued by the client in question, using the approach specified for K-NPR in ■ MIFIDPRU 4.12.2R to calculate the net position for each instrument; and
 - (2) the exposure value of contracts and transactions referred to in ■ MIFIDPRU 4.14.3R with the *client* in guestion, calculated using the approach specified for K-TCD in ■ MIFIDPRU 4.14.8R.
- 5.4.2 For the purposes of ■ MIFIDPRU 5.4.1R(1), where a firm calculates a K-CMG requirement in relation to a portfolio, it must calculate its net position for the exposures in that portfolio using the approach specified for K-NPR in ■ MIFIDPRU 4.12.2R.
- 5.4.3 R The EV with regard to a group of connected clients must be calculated by adding together the exposures to the individual clients within the group, which must be treated as a single exposure.
- 5.4.4 When calculating EVs, a firm must take all reasonable steps to identify underlying assets in relevant transactions and the counterparty of the underlying exposures.



5.5 The concentration risk soft limit and exposure value excess

The concentration risk soft limit

- 5.5.1 R
- (1) The concentration risk soft limit for EVs to an individual client or group of connected clients is 25% of a firm's own funds, subject to (2) and (3).
- (2) Where an individual client is a MIFIDPRU-eligible institution, the concentration risk soft limit for that client is the higher of:
 - (a) 25% of the firm's own funds; or
 - (b) £150 million or 100% of the firm's own funds, whichever is the lower.

Where a group of connected clients includes one or more MIFIDPRUeligible institutions, the concentration risk soft limit for the group is the higher of:

- (a) (a)25% of the firm's own funds; or
- (b) £150 million or 100% of the *firm's own funds*, whichever is the lower, provided that for the sum of *exposure values* with regard to all connected *clients* that are not *MIFIDPRU-eligible institutions*, the *concentration risk soft limit* remains at 25% of the *firm's own funds*.
- 5.5.2 G

The Handbook definition of MIFIDPRU-eligible institution includes private or public undertakings, including the branches of such undertakings, provided that those undertakings, if they were established in the UK, would be UK credit institutions or MIFIDPRU investment firms, and provided that those undertakings have been authorised in a third country that applies prudential supervisory and regulatory requirements comparable to those applied in the UK.

The exposure value excess (EVE)

5.5.3 R

- (1) A firm that exceeds the concentration risk soft limit for a client or group of connected clients must calculate the exposure value excess (EVE).
- (2) A *firm* must calculate the *EVE* for an individual *client* or *group* of *connected clients* using the following formula:

$$EVE = EV - L$$

where:

L = the concentration risk soft limit specified in ■ MIFIDPRU 5.5.1R.



5.6 Obligations for a firm that exceeds the concentration risk soft limit

- For as long as a *firm* exceeds the *concentration risk soft limit* for one or more *clients* or *groups of connected clients*, it must calculate the *K-CON requirement*.
- When a firm exceeds the concentration risk soft limit for a client or group of connected clients, it must notify the FCA without delay of the amount of the EVE, and the name of the individual client or group of connected clients.
- A firm must make the notification referred to in MIFIDPRU 5.6.2R by completing Part A of the form in MIFIDPRU 5 Annex 1R and submitting it using the online notification and application system.



5.7 **Calculating K-CON**

- 5.7.1 The K-CON requirement of a MIFIDPRU investment firm is equal to the sum of the CON own funds requirement for each client or group of connected clients for which the EV exceeds the concentration risk soft limit.
- 5.7.2 R The CON own funds requirement for each client or group of connected clients in ■ MIFIDPRU 5.7.1R must be calculated by:
 - (1) determining the own funds requirement for the excess (OFRE) in accordance with ■ MIFIDPRU 5.7.3R; and
 - (2) applying the relevant multiplication factor or factors in accordance with ■ MIFIDPRU 5.7.4R.
- 5.7.3 R (1) The OFRE must be calculated using the following formula:

$$OFRE = \frac{OFR}{EV} \times EVE$$

- (2) The OFR for an individual client is the sum of:
- (i) the TCD own funds requirement for exposures to that client; and
- (ii) the K-NPR requirement for the exposures to that client, subject to (b).
- (2) Where exposures arise from the positive excess of a firm's long positions over its short positions in all the trading book financial instruments issued by the client in question, the net position of each instrument calculated using the approach specified for K-NPR in ■ MIFIDPRU 4.12.2R shall only include specific-risk requirements.
- (2) A firm that calculates a K-CMG requirement for a portfolio must calculate the OFR using the approach specified for K-NPR in ■ MIFIDPRU 4.12.2R, subject to (b).
- (2) The OFR for a group of connected clients must be calculated by adding together the exposures to individual clients within the group, and then determining a single own funds requirement for exposures to the group as if the group were a single undertaking.

5.7.4 R

- (1) Where the excess has persisted for 10 business days or less, the CON own funds requirement is the OFRE multiplied by 200%.
- (2) Where the excess has persisted for more than 10 business days:
 - (a) the *EVE* must be apportioned according to the tranches in each row of Column 1 of Table 1;
 - (b) the proportion of the *EVE* in each tranche must be calculated as a percentage of the overall *EVE*;
 - (c) the *OFRE* must be pro-rated according to the proportion of *EVE* falling within each tranche;
 - (d) each portion of the *OFRE* must be multiplied by the relevant Factor in Column 2 of Table 1; and
 - (e) the CON own funds requirement is the sum of the amounts calculated in accordance with (d).

(3) T	able 1
Column 1:	Column 2: Factors
EVE as a percentage of own funds	
For the amount up to and including 40%	200%
For the amount over 40% up to and including 60%	300%
For the amount over 60% up to and including 80%	400%
For the amount over 80% up to and including 100%	500%
For the amount over 100% up to and including 250%	600%
For the amount over 250%	900%

5.7.5 G

- (1) K-CON is an additional *K-factor* own funds requirement for *concentration risk* in the *trading book*.
- (2) A firm must calculate a CON own funds requirement for each client or group of connected clients for which the exposure value exceeds the concentration risk soft limit. The CON own funds requirement for each client or group of connected clients is then added together determine the K-CON requirement.
- (3) Determining the CON own funds requirement for each client or group of connected clients involves a two-step calculation:
 - (a) The first step involves an exposure-based calculation, known as the *OFRE* (the own funds requirement for the excess).
 - (b) The second step involves applying a multiplying factor to the *OFRE* (or applying different multiplying factors to tranches of the *OFRE*) based on the length of time for which the excess has persisted and by how much (as a percentage of own funds) the *exposure value* exceeds the *concentration risk soft limit*.

- (4) The reference to how long an excess has persisted relates to how long a firm has had an exposure to a client or group of connected clients that exceeds the concentration risk soft limit, irrespective of whether the constituent parts that make up that total exposure change over the duration of that total exposure.
- (5) The 10-business day period referred to in MIFIDPRU 5.7.4R runs from the start of the business day on which the excess occurred.
- 5.7.6 The following example shows how to calculate the CON own funds requirement for an excess to a client that has persisted for 10 business days or less:
 - (1) A firm has:
 - (a) own funds of 1000;
 - (b) a concentration risk soft limit of 250 (25% of 1000);
 - (c) an EV of 262; and
 - (d) an EVE of 12 (262 250 = 12).
 - (2) The exposure is all due to debt securities that have a specific risk own funds requirement of 8% (according to Table 1 in article 336 of UK CRR) for the purposes of K-NPR. There is zero K-TCD to this client.

In this example, the $OFR = 262 \times 8\% = 20.96$

(3) To calculate the OFRE:

 $OFRE = OFR/EV*EVE = 20.96/262 \times 12 = 0.96$

(4) As the excess has persisted for 10 business days or less:

CON own funds requirement = $0.96 \times 200\% = 1.92$

- 5.7.7 G The following example shows how to calculate the CON own funds requirement for an excess that has persisted for more than 10 business days:
 - (1) A firm has:
 - (a) own funds of 1000;
 - (b) a concentration risk soft limit of 250 (25% of 1000);
 - (c) an EV of 780; and
 - (d) an EVE of 530 (780 250 = 530).
 - (2) The exposure is all due to debt securities that have a specific risk own funds requirement of 8% (according to Table 1 in article 336 of UK CRR) for the purposes of K-NPR. There is zero K-TCD to this client.

In this example, the $OFR = 780 \times 8\% = 62.4$

(3) To calculate the OFRE:

 $OFRE = OFR/EV*EVE = 62.4/780 \times 530 = 42.4$

(4) As the excess has persisted for more than 10 business days, the CON own funds requirement is calculated by apportioning the OFRE in

accordance with the relevant *EVE* tranche in Table 2, multiplying each part of the *OFRE* by the applicable factor, and then adding the resulting amounts together:

Application of Table 2					
K-CON factor tranche as per Table 1	EVE split by tranche	OFRE allocated across K-CON tranche by EVE split	CON own funds requirement (OFRE × factor in Table 1)		
Up to 40%	400	400/530 × 42.4 = 32	32 × 200% = 64		
40%- 60%	130	130/530 × 42.4 = 10.4	10.4 × 300% = 31.2		
Total:	530	42.4	95.2		

(5) The CON own funds requirement is the total amount in the last column, 95.2.



5.8 **Procedures to prevent investment** firms from avoiding the K-CON own funds requirement

- 5.8.1 A firm must not deliberately avoid the K-CON requirement by:
 - (1) undertaking artificial transactions to close out an exposure and create a new exposure; or
 - (2) temporarily transferring an exposure to another undertaking, whether within the same group or not.
- 5.8.2 A firm must maintain systems which ensure that any closing out or transfer that is prohibited by ■MIFIDPRU 5.8.1R is immediately reported to the FCA in accordance with ■ MIFIDPRU 1.1.10R.

MIFIDPRU 5/16



5.9 The 'hard' limits on concentration risk

- 5.9.1 R
- (1) Whilst an exposure exceeding the concentration risk soft limit has persisted for 10 business days or less, a firm's EV for the individual client or group of connected clients must not exceed 500% of the firm's own funds.
- (2) Whilst a *firm* has one or more exposures exceeding the *concentration* risk soft limit that have persisted for more than 10 business days, the aggregate EVEs for all such exposures must not exceed 600% of the firm's own funds.
- 5.9.2 G
- (1) An exposure exceeding the *concentration risk soft limit* persists for as long as the overall exposure exceeds the *concentration risk soft limit*, irrespective of whether the constituent parts that make up that total exposure change over the duration of that total exposure.
- (2) For the purpose of MIFIDPRU 5.9.1R(2), the 600% limit applies to the aggregate of all individual *EVEs* for excesses that have persisted for more than 10 *business days*, irrespective of whether the individual concentrated exposures are connected to one another.
- (3) The 10 business day period referred to in MIFIDPRU 5.9.1R runs from the start of the business day on which the excess occurred.
- - (1) the amounts of the exposure or exposures which give rise to the breach;
 - (2) the name or names of the clients concerned; and
 - (3) any steps which the *firm* or any other *person* has taken or intends to take to rectify the breach and prevent any future potential occurrence.
- A firm must make the notification referred to in MIFIDPRU 5.9.3R using Part B of the form in MIFIDPRU 5 Annex 1R, and must submit it using the online notification and application system.



5.10 **Exclusions**

5.10.1

The requirements in ■ MIFIDPRU 5.4 to ■ 5.9 do not apply to the following exposures:

- (1) exposures which are entirely deducted from a MIFIDPRU investment firm's own funds;
- (2) exposures incurred in the ordinary course of the settlement of payment services, foreign currency transactions, securities transactions and the provision of money transmission;
- (3) exposures constituting claims against:
 - (a) central governments, central banks, public sector entities, international organisations or multilateral development banks and exposures guaranteed by or attributable to such persons, where those exposures would receive a 0% risk weight under articles 114 to 118 of the UK CRR;
 - (b) regional governments and local authorities of the UK or a third country which pose no difference in risk compared to a central government covered by (a); and
 - (c) central counterparties and default fund contributions to central counterparties;
- (4) exposures incurred by a firm to its parent undertaking, to other subsidiaries or connected undertakings of that parent undertaking or to its own subsidiaries or connected undertakings, insofar as those undertakings are supervised on a consolidated basis in accordance with ■ MIFIDPRU 2.5 or with *UK CRR*, are supervised for compliance with the group capital test in accordance with ■ MIFIDPRU 2.6, or are supervised in accordance with comparable standards in force in a third country, and provided that the following conditions are met:
 - (a) there is no current or foreseen material practical or legal impediment to the prompt transfer of capital or repayment of liabilities: and
 - (b) the risk evaluation, measurement and control procedures of the parent undertaking include the firm and any relevant subsidiary or connected undertaking.

MIFIDPRU 5/18



5.11 Exemption for commodity and emission allowance dealers

- 5.11.1 R A commodity and emission allowance dealer is not required to comply with MIFIDPRU 5.2 to 5.10 where all of the following conditions are met:
 - (1) the other counterparty is a non-financial counterparty;
 - (2) both counterparties are subject to appropriate centralised risk evaluation, measurement and control procedures;
 - (3) the transaction can be assessed as reducing risks directly relating to the commercial activity or treasury financing activity of the nonfinancial counterparty or of that group; and
 - (4) the firm complies with MIFIDPRU 5.11.2R.
- 5.11.2 R
- (1) Before relying on the exemption in \blacksquare MIFIDPRU 5.11.1R, a *firm* must notify the *FCA*.
- (2) A *firm* must notify the *FCA* annually thereafter in order to continue to rely on the exemption in MIFIDPRU 5.11.1R.
- (3) The notification must explain how the *firm* expects to meet or continue to meet the conditions in MIFIDPRU 5.11.1R.
- (4) If there is a material change to the information provided in (1) or (2), a *firm* must notify the *FCA* without delay.
- (5) The notifications in (1), (2) and (4) must be made using the form in MIFIDPRU 5 Annex 2R, and must be submitted using the *online* notification and application system.

Notification under MIFIDPRU 5.6.3R and 5.9.3R that limits for concentration risk have been exceeded

[Editor's note: The forms can be found at this address: https://www.handbook.fca.org.uk/form/ MIFIDPRU 5 Annex 1R(A) Notification under MIFIDPRU 5.6.3R that the concentration risk soft limit has been exceeded.pdf]

https://www.handbook.fca.org.uk/form/MIFIDPRU 5 Annex 1R(B) Notification under MIFIDPRU 5.9.3R of the concentration risk hard limit breach.pdf

Notifications under MIFIDPRU 5.11.2R in respect of the exemption from K-CON requirement for commodity and emission allowance dealers

[Editor's note: The forms can be found at this address: https://www.handbook.fca.org.uk/form/ MIFIDPRU 5 Annex 2R Notifications under MIFIDPRU 5.11.2R in respect of the exemption from K-CON requirement.pdf]