

SIFMA ASSET MANAGEMENT GROUP

CCP Evaluation Framework

BACKGROUND

The AMG Counterparty Risk Forum is made up of a diverse set of asset managers who discuss counterparty-risk related topics and collaborate on initiatives of common interest. A primary focus of the Forum has been to better understand the counterparty risks associated with central clearing - including the risks with facing central counterparty (CCP) clearinghouses and how these risks are managed.

As we began exploring this topic, we learned that many Forum members were building or enhancing their CCP risk management practices as their centrally cleared volumes have grown and their fiduciary standards have risen. However, other Forum members had the desire, but lacked the resources and/or expertise to pursue similar endeavors. We also found that CCP-related data, analytics, and disclosures lacked in availability and quality – presenting challenges to building a robust CCP evaluation process that is equivalent to what many maintain for bank counterparties.

The Forum agreed that meaningful opportunities exist to improve the status quo and as a result, established a working group to achieve 3 primary goals:

- 1. Facilitate member engagement and educational opportunities on central clearing risks;
- 2. Develop asset manager best practices for central clearing risk management; and
- 3. Increase and facilitate member participation in CCP, industry and regulator discussions to advance information disclosure practices and improve market standards.

For asset managers who have material exposure in centrally cleared derivatives, the Forum agreed that these risks should be considered in a comprehensive counterparty risk management framework. Therefore, we are sharing our initial version of a CCP evaluation criterion that can be used by AMG members as a tool in their efforts. As we continue to pursue the aforementioned goals, we expect our recommended best practices and this document will evolve.

ESTABLISHING BEST PRACTICES

Over the course of a year, the Forum's CCP Counterparty Risk Working Group travelled the country to meet with CCPs, conducted research and analysis on CCP disclosures, and contributed their own risk management expertise to develop meaningful CCP evaluation criteria and recommendations for improved CCP information disclosure standards.

Through our efforts, we identified the following focus areas and topics to be most relevant for asset manager CCP evaluations:

Organization Profile	Governance and Oversight
Business lines and structureMarket presenceCorporate financial resourcesCountry risk	Business leadershipBoard and committeesCompliance and auditRegulatory
Investment Risk	0 ☆Z ☑☑□ Counterparty Credit Risk
Policy overviewRoles/responsibilitiesVehicles, attribution, liquidityInvestment loss allocation	 Membership criteria and approval Governance and decision-making Monitoring and risk mitigation tools Membership attribution, account structures
رِينِ Operational resilience	Liquidity and collateral
 Operational risk management Third-party vendors InfoSec and Cyber Risk Business Recovery Plan 	 Policy overview, market stress response tools Roles/responsibilities Prefunded default resources Financial resources for non-default losses
Financial Resources	Recovery, Resolution
 Margin Methodology Model oversight and back-testing Default waterfall Assessment powers, replenishment rights 	 Process, plans, rulebook Regulatory, resolution authority Member, end-user rights Portability, loss allocation

The following resources are most helpful to learn about these concepts and to acquire CCP-specific information:

- · Principles in Financial Market Infrastructures (PFMIs) qualitative and quantitative disclosures
- CCP whitepapers and risk management overview materials
- CCP industry engagements, including webinars and conference calls
- Industry body (SIFMA, FIA, CCP12) websites and disclosures

The appendix contains a more detailed collection of CCP evaluation criteria – topics, data points, and questions to consider – along with explanations as to why they are important. This matrix is a point-in-time and not all-inclusive, but we believe can be used as a foundation for prudent CCP evaluations.

We also recommend that asset managers partner with their inhouse experts - lawyers, cyber-security, vendor risk, trading and clearing operations - to delve into these topics and identify which risks are most relevant to the assets you manage.

We hope that this document is helpful in encouraging and aiding asset managers to become more aware of central clearing risks and begin to incorporate aspects within their counterparty risk management frameworks. We believe that as asset managers become more educated and engaged in these topics, we can collectively help improve market integrity and the protections for end-client assets.

Appendix

CCP Evaluation Criteria: Detail

This matrix is a point-in-time and not all-inclusive, but we believe can be used as a foundation for prudent CCP evaluations.

Focus Area	Sub focus Area	Evaluation Criteria	Why is the focus/sub-focus area important to CCP CP risk evaluation.
	Organization	CCP Legal entity name	
		CCP Legal entity identifier (LEI)	
		Organizational chart (parent to the clearing service level)	Identifying the CCP legal entity, and its parent and affiliates, is useful for general monitoring efforts and to gain an understanding
		Organizational chart (key affiliates)	of associated business risks, dependencies, and benefits. Understanding the CCPs markets of domicile and of operation helps
		Country(s) of domicile and operation	monitor for macro risks and also determines the regulatory regimes it is subject to.
		Ownership structure	
Business and Corporate Profile		Market Share	Assessing fundamental business activity volumes and experience, coupled with how the firm has evolved over time, provide a
	Market presence	Open interest of contracts they clear	gauge for their market presence and expertise.
		History and evolution	Bange for their market presence and expertiser
		Cradit ratings (CCD parent)	Fundamental credit assessment of CCP organization and CCP entity to determine its financial viability and ability to cover clearing
	Corporate financial resources	Credit ratings (CCP, parent) Fundamental credit analysis (CCP if available, parent)	
		rundamental credit analysis (CCP ii available, parent)	associated losses (e.g., non-default losses).
		Credit rating, operating environment of the countries/markets in which it	Understanding of the business and regulatory environment the CCP operates will help gauge whether there are any unique
	Country risk	operates.	challenges or risks faced by the CCP.
Focus Area	Sub focus Area	Evaluation Criteria	Why is the focus/sub-focus area important to CCP CP risk evaluation.
	Business leadership	Management (key people)	Assessing the experience and background of CCP (and parent) employees in key positions (e.g., C-suite) provides some insights on
	business leadership	Wanagement (key people)	the quality of business leadership and decision-makers.
	B	Make-up (internal/external, member overlap with other committees)	Understanding of heard and compliance at most one and at a long table at the complete of the CCD in the complete of the comple
	Board and committee	Roles and responsibilities, decision-making authority	Understanding of board and committee structures and their role within the operation of the CCP is important to assess any related
	structures	Interaction with business-lines, Board of Directors and other oversight	governance and business management risks.
		committees	
Governance and		Internal compliance (role and responsibility)	CCP should have an internal compliance function to provide independent oversight and checks and balances to business operation
Oversight	Compliance and audit	Audit policies/procedures including SOC1	Generation of SOC1 (or equivalent) reports prepared by an external auditor for the CCP or its organization is a best practice for any
		radic policies/procedures including 5001	deficitation of 3001 (or equivalent, reports prepared by an external addition for the cer of its organization is a sest practice for any
			SIFMU status places an entity under enhanced regulatory oversight by the Federal Reserve Board, SEC, and CFTC, which brings a
	Regulatory	1 - ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	sense of security to market participants. For a CCP to be considered a QCCP, the CCP must make available or calculate required
			data for the purposes of calculating the capital requirements for default fund exposures
		Primary regulators	Regulatory compliance/infractions monitoring is an important gauge of the integrity of the CCPs business operation, decision-
		Regulatory history/infraction	making, and controls/oversight.
Focus Area	Sub focus Area	Evaluation Criteria	Why is the focus/sub-focus area important to CCP CP risk evaluation.
			Baseline understanding of the CCP's investment policy and practices approach. Proper description would include items such as:
		Briefly describe the investment policy/process implemented at the CCP	- roles and responsibilities;
	Policy overview		- applicable regulation;
	Policy over view		- investible universe (e.g., IM, GF, cash)
			- types of investments (instruments,risk characteristics);
			- risk management (e.g., stress testing, oversight, controls)
		Investment risk policy and practices are subject to regulatory requirements	
		(Yes, list regulator and rules reference / No)	
		CCP has an investment policy (Yes / No)	Baseline understanding of what the CCP's regulatory requirements are and the level of disclosure/transparency, rules on policy
	Investment policy availability	CCP investment policy is publicly disclosed (Yes/No)	details.
		CCP investment policy description is publicly disclosed (Yes/No)	ucturis.
		CCP investment policy elements are included in the clearinghouse rulebook	
		(Yes/No)	
	Roles/responsibilities	List the department/committee/individual roles at the CCP that is ulitmately	
		responsible for the investment policy	
		List the department/committee/individual roles at the CCP that makes day to	
		day investment decisions	Baseline understanding of roles and responsibilities related to investment policy - ensure there's board/committee level oversight.
		List the department/committee/individual roles at the CCP that performs day-	
		to-day investments oversight	
		to day investments oversight	
			1



	Sub focus Area	Evaluation Criteria	Why is the focus/sub-focus area important to CCP CP risk evaluation.
Investment Risk		List the assets (e.g., CCP own capital, guarantee fund, initial margin, other)	
		that are subject to the investment policy	Understanding the size and scope of their investment activities to determine what's at risk if something were to occur and whether
		Quantify the amount of assets subject to the investment policy, in US dollar	client assets (e.g., IM) is exposed.
		terms and as a percentage of prefunded resources	
		List the types of investment vehicles allowable under the investment policy, including any limits.	
		Quantify the amount of assets invested in each allowable investment vehicle	Understanding the risk profile of their investment strategy.
		(US dollars)	
	Investment losses	Does the CCP pass on any investment (or custodial) related losses to FCMs?	
		(Yes / No) If yes, is the CCP's liability cappped and if so, in what amount? (Yes, US dollar	
		amount / No)	
		If yes, is the ECM's liability cannot and if so, in what amount (Ves. US dollar	Understanding of who is responsible for any losses, how they will be covered, and whether there's a potential for them to be
		amount / No)	passed on to end-clients (indirectly) via FCMs.
		What financial resources (including insurance policies) does the CCP have	
		available to cover investment-related losses. Does the CCP reserve capital to	
		cover potential investment losses?	
	l invelolite.	How quickly can the CCPs investments be converted to cash (# of days)?	Understanding of baseline liquidity metrics to gauge whether they are situated to quickly respond to capital needs in the event of
	Liquidity	How often is the liquidity of the investments analyzed / tested (# of days)?	volatility or default.
		now often is the liquidity of the life stillents analyzed / tested (# of days)!	
		Driefly describe the process to calcut and approve such discribed in	
	Custodians	Briefly describe the process to select and approve custodian banks.	
		List the custodian bank(s) utilized as part of the CCP's investment process.	
Focus Area	Sub focus Area	Evaluation Criteria	Why is the focus/sub-focus area important to CCP CP risk evaluation.
	Counterparty evaluation	Counterparty evaluation process	The risk to a CCP is that one or more of its clearing members defaults with respect to their obligations to the CCP. A CCP is only as strong/safe as the quality of its membership. Accordingly, CCPs manage the counterparty risk associated with their clearing members via well-resourced credit risk teams, conservative membership criteria, initial and on-going credit worthiness and risk
			mitigating capabilities.
	Ongoing surveillance & monitoring	Member positions	A CCP needs to monitor intraday and overnight exposures against applicable limits. This is an important input in calculating margin
		internuer positions	requirements and tracking breaches or abnormal trding activity.
			CCPs need to review membership requirements and the creditworthiness of their members on a regular basis and take necessary
		Member Creditworthiness	action if a member fails to meet those requirements – for instance, through increasing margin, limiting positions, and suspending
			or terminating membership. Additionally, CCPs must set minimum requirements (particularly capital) at a sufficiently conservative
			level - this acts as a first line of defence against member defaults/breaches.
			A CCP needs to have a transparent set of membership requirements. These membership requirements need to be designed to
			protect the CCP and clearing members from the risk other members pose to them. CCPs have a responsibility to monitor
		Membership Requirements	compliance with their membership requirements on an ongoing basis. Should a member stop complying with the membership
Counterparty			requirements, the CCP needs to take steps to ensure it resumes compliance or else take action to protect the CCP and other
Credit Risk	Membership base		clearing participants.
			Mutualization of risk in a CCP works best if done across many members. If membership of a CCP is too concentrated, liquidation
		Membership Composition & Concentration	via an auction is less likely to yield a good price. This is the case particularly if other clearing members have positions in the same
			direction as the defaulter. Concentration among a handful of large members can also pose problems with porting. If a large FCM
			defaults, there might be limited capacity to absorb healthy positions by the remaining members.
			Baseline understanding of roles and responsibilities related to counterparty credit risk policy - ensure there's appropriate
	C	County was to Coult Birl Oncourse the	board/committee level oversight. Understand what involvement does the board/committee have in regards to CCRM. Also, it is
	Governance	Counterparty Credit Risk Organazation	important that the credit risk function is sufficiently autonomous to provide an independent risk assessment and assigning credit
			ratings.
			CCPs need to review membership requirements and the creditworthiness of their members on a regular basis and take necessary
			action if a member fails to meet those requirements – for instance, through increasing margin, limiting positions, and suspending
	Risk Mitigation	Risk Mitigating Actions	or terminating membership. Credit teams must publish regular credit notes/credit ratings and hold due diligence calls including on-
			site meetings. Members should also submit regular financial disclosure as an ongoing obligation. All of these will help the CCP
			identify early warning signals of credit concerns.



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rocus Area	Jub locus Alea		An FMI should identify the plausible sources of operational risk, both internal and external, and mitigate their impact through the
		Operational Risk Policy	use of appropriate systems, policies, procedures, and controls.
		Operational Risk Governance	An FMI should identify the plausible sources of operational risk, both internal and external, and mitigate their impact through the use of appropriate systems, policies, procedures, and controls.
		Operational Capacity	Systems should be designed to ensure a high degree of security and operational reliability and should have adequate, scalable capacity.
	Operational Risk	External Sources of Operational Risk, 4th Party Risk	An FMI should identify, monitor, and manage the risks that key participants, other FMIs, and service and utility providers might pose to its operations.
		# of Clearing Failures over the past 12 months, duration of failures	Transparency regarding operational stability regarding a CCP's key function in addition to its ability to restore operations upon failure
		Fraud Management	
		Change Management	
		Recovery process for systems in the event of an unavoidable disaster?	CCPs with a SIFMU designation are required to abide by Regulation SCI, which is designed to reduce the occurrence of systems
	L	Existence of documented procedures in place for system recovery	issues, improve resiliency when systems problems do occur, and enhance the Commission's oversight and enforcement of
	Technology system recovery	Frequency of system recovery testing	securities market technology infrastructure. Regulation SCI is for trading, clearance and settlement, order routing, market data,
		Systems recovery turnaround times	market regulation, and market surveillance.
Operational		Systems resortery curriculated times	market regulation, and market surveinance.
	Third-party Vendors	3rd party vendor risk management documentation	It increments to the to CCD extends and manning in all elevations on the possible or and all in times
	Tilliu-party vendors	Existence of Red and Blue Teams	It imperative that CCP systems are running in all situations so transactions are placed in time.
		Robustness of Cyber Governance Program in terms of budget, staffing,	
		,	
		relevant experience	Cyber risk is a top threat in the industry and can lead to financial loss or business disruption. Companies are not overly transparen
	InfoSec and Cyber Risk	3rd party dependencies & interconnections	regarding their risk management approach, but some level of disclosure/due diligence is needed to gauge the relative risks.
		Cyber threat escalation protocols	regulating their risk management approach, but some level of disclosure, and amgenies is needed to gauge the relative risks.
		Assessment of subar sequrity capabilities of yanders/ECMs in the CCD naturals	
		Assessment of cyber security capabilities of vendors/FCMs in the CCP network	
		Cyber insurance existence	
	Business Recovery Plan	Does the plan include backup of all computer files, offsite data storage, back-	
		up files stored/locked, off-site operations facility, etc.	A business continuity plan is essential for any organization. Recommend that evaluation of BCP preparedness is done in consultation with your firm's 3rd party/Vendor Risk teams. However, understanding how critical CCP functions are considered
		Is this recovery plan tested with participants? And if so, with what types of	within the BCP is important to understand what to expect in a crisis scenario, and how best to prepare from a CP risk perspec
		entities?	
		entities? How does notification take place ?	
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Liquidity and	Sub focus Area	Evaluation Criteria Assets eligible as initial margin, and the respective haircuts applied	Why is the focus/sub-focus area important to CCP CP risk evaluation.
collateral	Prefunded resources - liquidity	Assets engine as mittal margin, and the respective numerous applied	
		Assets Eligible for pre-funded participant contributions to the default resources, and the respective haircuts applied (if different from 5.1)	Understanding what assets are accepted by the CCP, their liquidity characteristics, how conservative of any approach the CCP takes, and how they are stress-tested (haircuts, etc) to help assess the liquidity of their prefunded resources.
		Results of testing haircuts	
		Total Initial Margin Required	
	Assets assessment	Total IM Held - break out what instruments are held, pre and post haircut, and potentially by house vs. client assets (especially for further analysis)	
		Size and composition of qualifying liquid assets sources	Understanding and quantifying the size and scope of their financial resources to determine what's at risk if something were to
		Size and composition of supplementarty liquid assets	occur and whether client assets (e.g., IM) is exposed.
		Assessment of whether liquid assets availability or sufficient - based on modeled/stress test results and largest realized 1 day liquidity demand	
	Financial resources for NDLs -	Imaintained in the CCP's liquidity strategy	To assess the financial resources available to cover non-default losses in the event of a business disruption, error, etc CFTC Reg 39.11 (a) requires a CCP to maintain resources to cover 1 year of operation costs. so this will help assess how the CCP complies with this rule (to the extent they are subject to it).
	liquidity characteristics	Number of month of operating costs are covered by unencoumbered liquid	Builds upon the preceding assessment but specific to CFTC and Reg 39.11 (e) which requires the same except 6 mos of operating costs in unencumbered liquid assets.
		Rulebook rules, and scenarios under which, add-ons to IM are allowed.	
	Market stress response tools	Rulebook rules, and scenarios under which, add-ons to the guarantee fund are allowed.	Assess the CCP's tools and ability to respond to an intraday event or market stress, to ensure they continue to maintain sufficient resources during a stressed market/crisis.
		Rulebook rules, and scenarios under which, intraday margin calls are allowed.	resources during a stressed markey crisis.
		Number of times initial margin is called per day.	
Focus Area	Sub focus Area	Evaluation Criteria Whether there Is a strong foundation for control and change management to	Why is the focus/sub-focus area important to CCP CP risk evaluation.
	Model Oversight	ensure that unauthorized or unintended modifications are not made to these models.	Small changes in models can result in large issues with the accuracy of the model. Hence, sufficient controls over model changes is important to ensure that "accidental" changes do not occur. This also might include regulatory approval.
		Whether the CCP provides sufficient transparency/information to replicate the modeling process.	Transparency is important to ensure trust and confidence in the market participants.
		Model review frequency	Due to changes in the market or economy, a model can be out of date and therefore less effective. Regular review is important to ensure the model accounts for all market changes, but too much review will result in a model that is overfit and picks up noise as
		Description of the model review process (backtesting? stress testing? input review?)	pertient information. Yearly model validation is typically sufficient for most product types. The model should be performing backtesting and validated by a third party (independent or external) who was not involved in the model construction or change
IM Model Risk		Responsible party to review model efficacy, including the use of 3rd party reviews.	process to ensure there is no comfirmation bias.
	Model Quality	Whether and what model bias is being addressed	The modelling framework needs to incorporate a set of risk factors that is flexible but sufficiently comprehensive to capture, under a wide range of extreme but plausible market conditions, both the material risks that currently impact cleared portfolios and risks that could plausibly emerge in the future. This includes address biases within the model
		Whether the model based on individual instrument type or OTC vs ETD.	ISDA recommends that CCP risk management requirements should not be solely dependent on whether a product is an OTC derivative or ETD, but should be based on the risk that each product exhibits and the complexity of the default management process (DMP)
Focus Area	Sub focus Area		Why is the focus/sub-focus area important to CCP CP risk evaluation.
	Margin Methodology	Confidence Interval, Close-out horizon, look-back period, Concentration charges	
		Haircut values and assumptions	
		Total Initial Margin Required (Total)	First line of defense in the event of a default; simply to help gauge the size of the CCP and its default fund/clearing service
		Total Initial Margin Held (Total)	First line of defense in the event of a default; simply to help gauge the size of the CCP and its default fund/clearing service. CCPs will levy additional margins to cover concentration, wrong way risk, illiquid positions, and CM credit risk. CMs may also contribute additional margin (residual interest) to cover potential shortfalls in client accounts.
		Excess Initial Margin (Total)*	A higher amount of excess margin could be indicative of more conservative margin methodologies
		Excess Initial Margin Multiple (Total)*	Allows for comparability of Total excess initial margin amounts across CCPs
	-		



	Sub focus Area	Evaluation Criteria	Why is the focus/sub-focus area important to CCP CP risk evaluation.
	Jub locus Alea	Loss Absorption Cover 1 / Cover 2	understanding of stress loss coverage target in terms of number of top members
		FDF vs SITG	understanding of who is at risk by relative amounts
		SITG Placement	CCP & Member interest alignment
		Sizing Approach (stress test, etc)	Ensure coverage of losses if IM is exhausted
		Sizing Frequency	More frequent ensures changes in CCP risk profile are covered
		Nature of Stress Tests	To ensure proper number and types stress tests are utilized (Scenario, reverse, historical, etc)
		Frequency of Stress test	To monitor suffiency on an ongoing basis & faciliate intra-period calls
		Validation of stress framework	To monitor sumericy on an originity basis a radinate mara period cans
		Reverse Stress Tests Conducted (Yes/No)	
		Stress Period of Risk	Longer periods are more conservative in the event of auction / liquidation delays
		Coverage of peak largest aggregate stress loss for top 1 Member	Shows coverage ratio of stress losses for top member default
Funded Financial		Coverage of peak largest aggregate stress loss for top 2 Members	Shows coverage ratio of stress losses for top 2 members defaulting
Resources		Coverage of average largest aggregate stress loss for top 1 Member	Shows coverage ratio of stress losses for top member default
		Coverage of average largest aggregate stress loss for top 2 Members	Shows coverage ratio of stress losses for top 2 members defaulting
		coverage of average largest aggregate stress loss for top 2 internacion	Shows coverage ratio of stress losses for top 2 members detailing
	Funded Resources (Post Margin)	Any nuances / segmentation / uncommon splits / cross service sharing?	Can impact coverage ratios & assumptions
		Membership concentration and how is this managed	Oversized members can conflict with defaulter pays model
		Other Info	
	Funded Default Fund (FDF),		
	Skin in the Game (SITG),		Should ideally be viewed in conjunction with initial margin. Viewed over time, a surge in default fund contributions could signal an
	Other	Default Fund Participant Contributions (Prefunded)	increased level of risk in the positions (i.e., larger position swings). If IM and default fund both increase, than it's likely there's just
	Other		increased activity at the CCP/clearing service.
		FDF % of Total IM Held	See above comment on FDF contributions. Allows for comparability across CCPs.
		Estimated largest aggregate stress loss in excess of initial margin that would be caused by the default of any single participant (avg)	To help gauge the strength of default waterfall resources in more of a BAU environment
		Estimated largest aggregate stress loss in excess of initial margin that would be caused by the default of any two participants and their affiliates (avg)	To help gauge the strength of default waterfall resources in more of a BAU environment
		Estimated largest aggregate stress loss in excess of initial margin that would be caused by the default of any single participant (peak)	To help gauge the strength of default waterfall resources in more of a stress environment
		Estimated largest aggregate stress loss in excess of initial margin that would be caused by the default of any two participants and their affiliates (peak)	To help gauge the strength of default waterfall resources in more of a stress environment
financial	Assessment Powers, Replenishment Rights, Other	Default Fund Participant Contributions (Committed)	Should ideally be viewed in conjunction with initial margin. Viewed over time, a surge in default fund contributions could signal an increased level of risk in the positions (i.e., larger position swings). If IM and default fund both increase, than it's likely there's just increased activity at the CCP/clearing service. Includes assessment powers.
		Requirements for membership	
		Credit Quality of Members	
	Membership Profile	% of Initial Margin Posted by the Largest 5 CMs	Shows the concentration of the total pool of initial margin among the top 5 CMs
		% of Initital Margin Posted by the Largest 10 CMs	Shows the concentration of the total pool of initial margin among the top 10 CMs
Preventing Default		Top 5, Top 10 Concentration Differential*	Provides somewhat of a proxy for how concentrated the total pool of initial margin is
		% of Default Fund Contributions by Largest 5 CMS	Shows the concentration of the total pool of default fund among the top 5 CMs
		% of Default Fund Contributions by Largest 10 CMS	Shows the concentration of the total pool of default fund among the top 10 CMs
		Top 5, Top 10 Concentration Differential*	Provides somwhat of a proxy for how concentrated the total pool of default fund resources is
	Monitoring Practices	Credit risk management team independent from sales/business development?	
	Product suitability of clearing	Review of products cleared by the CCP and their perceived suitability for	
		clearing and ability to be risk managed.	



Focus Area	Sub focus Area	Evaluation Criteria	Why is the focus/sub-focus area important to CCP CP risk evaluation.
	Default Management Process	Description of the process for managing a default of a clearing member(s) or CCP	
Crisis Preparedness - Managing a	Tools to Manage a Member Default	Overview of the tools available in the CCP rulebook to manage a default	
Default	Account Structures & Portability Potential	Overview of the account structures available at the CCP, and within the regulatory regime, including the ability to port positions to a new FCM	
	Resolution plan including any prepositioning capital instruments	l	Understanding these concepts help assess the risks and to develop oversight and crisis management playbooks in the extreme event of clearing member or CCP default.
Resolution - CCP windup	Resolution Authority	Who is the resolution authority and is their mandate backed by law?	
	Post recovery or resolution loss	If the CCP is successfully resolved and continuing do members/end users have a right to recoup losses (default fund, partial tear up, VMGH) before the new going concern may declare a return to profitability	

