EY IFRS 9 Impairment Banking Survey

August 2017



Building a better working world

IFRS 9 Financial Instruments: impairment countdown to takeoff

As 1 January 2018 quickly approaches, banks are working extremely hard to get ready for a whole new world of loan provisioning in an IFRS 9 world.

The volume of enhancements to a financial institution's organizational engagement, data, systems, quantitative models and governance had been generally underestimated and banks have been busy catching up on the project plans. It is now clear that the management judgment, complexity and volatility in reporting will require more intensive oversight and increased stakeholder scrutiny.

With less than five months to go, banks are entering the final build and parallel run phases of their implementation projects. While good progress has been made, a number of challenges remain, such as data, controls and systems. This has impacted the implementation and testing of key processes and therefore, parallel runs have started later than originally planned.

It is clear that the impact on operational processes and financial reporting will not be limited to the transition period and the adoption date of 1 January 2018. Impacts and adaptions will need to be made during 2018 and potentially even 2019.

Yolaine Kermarrec Partner

In 2017, EY performed a third IFRS 9 impairment survey of 29 major banking institutions. The survey was undertaken to assess financial institutions' state of readiness in the implementation of the IFRS 9 program with a particular focus on impairment. This paper outlines the survey results, including the expected impact of IFRS 9, key operating model and policy decisions, and the assessment of business impacts. All results are presented on an anonymous basis.

For further insights on IFRS 9, including how your institution compares to the results in the survey, please contact our survey team in the appendix or your local EY contact.

We hope you find this information helpful as you continue your IFRS 9 impairment journey.

ANDRÉ GONIALO COMOLA DO; SAONOS

Andre Correia Dos Santos Executive Director

IFRS 9 Impairment Survey at a glance



Participants profile

We surveyed 29 top-tier banks worldwide, of which:

- ► Fifteen have a balance sheet in excess of €600b; 10 have a balance sheet between €200b and €600b, while the remaining four have a balance sheet of less than €200b.
- Eleven are global systemically important banks (G-SIBs).
- ► Twelve are under the scope of Sarbanes-Oxley Act (SOX).
- Seventeen use an Advanced Internal-Rating Based approach (A-IRB) for all of their portfolios.



Contents

1	Impact assessment	5-14
2	IFRS 9 project status	15-17
3	Operating model	18-27
4	Stage allocation	28-36
5	Multiple-scenario approach	37-39
6	Measurement of expected credit loss	40-44
7	Disclosures	45
8	Appendix	46-48
9	Glossary	49
10	EY survey contacts	50-51

1. Impact assessment – impairment provisions

Expected percentage increase in total impairment provisions on transition to IFRS 9



1. Impact assessment – impairment provisions

Expected percentage increase in total impairment provisions on transition to IFRS 9 (continued)



1. Impact assessment – pro-cyclicality Impairment provision and pro-cyclicality



1. Impact assessment – capital CET1 ratio and preferred day one treatment



¹ "Publications," Bank for International Settlements website, www.bis.org/bcbs/publ/d401.pdf, accessed 21 August 2017.

² "Publications," European Council website, http://data.consilium.europa.eu/doc/document/ST-9480-2017-INIT/en/pdf, accessed 21 August 2017.

EY IFRS 9 Impairment Banking Survey

1. Impact assessment – disclosures Disclosure of the potential impact of applying IFRS 9 impairment



*Year end reporting for Canadian banks

1. Impact assessment – stage allocation Exposure analysis on transition to IFRS 9



*The definition of SME is based on the regulatory definition of small medium enterprises, whose criteria may differ by country. For the purposes of the survey, it is included within wholesale.

1. Impact assessment – stage allocation Exposure analysis on transition to IFRS 9 (continued)



1. Impact assessment – stage allocation Exposure analysis on transition to IFRS 9 (continued)



1. Impact assessment – stage allocation Duration analysis on transition to IFRS 9



*For the purpose of this question, we define average portfolio duration as the average life in which the bank would incur a loss.

1. Impact assessment – stage allocation Basel 12-month Probability of Default (PD) analysis for stage 2 exposures on transition to IFRS 9



2. IFRS 9 project status Progress on 2017 planned parallel runs

Commentary

Delays with originally planned parallel runs

- For the purposes of this survey, we have defined a parallel run as the testing of the end-to-end impairment process that includes a live calculation of IFRS 9 estimated ECL in parallel with the IAS 39 impairment calculation.
- ▶ Most banks originally planned to commence parallel runs starting in the first quarter of 2017.
- A limited number of banks were able to commence parallel runs during the first half of 2017. The majority of banks shifted their planned parallel runs to the second half of 2017, with numerous banks planning their parallel runs as late as the fourth quarter of 2017. One bank will start their parallel run in July for wholesale and in October for retail exposures.
- > This was largely driven by delays in model build, finalization of technical interpretations and a general challenge with regard to the availability of data.
- ► A limited number of banks will not perform parallel runs.
- Some banks will perform monthly parallel runs in arrears to the calendar months and will only complete parallel runs with a reduced scope, i.e., the IFRS 9 ECL number will be calculated but will not incorporate journals or disclosures. However, these numbers might be used for submissions to the regulators by two of the respondents. One bank stated that they are undertaking a dry run of its end-to-end technical solution rather than a parallel run on live systems.

The frequency of parallel runs

- Seventeen banks that are planning parallel runs for 2017 intend to perform monthly reporting runs in order to effectively test back-to-back execution of the monthly operating cycles, with a significant trend for UK banks that are planning monthly parallel runs. One bank noted that the frequency may be reduced depending on the need for remediation efforts.
- Eight banks intend to do quarterly parallel runs and four less frequently. Of these 12 banks, four are Canadian; while the rest are European, including four located in France and one in the UK.

Incorporation of classification and measurement in parallel runs

- Nineteen banks will incorporate the classification and measurement (C&M) elements of IFRS 9 in their parallel runs. Most of these banks intend to apply the requirements using a phased approach starting with smaller portfolios and growing in scope to incorporate the entire group.
- Broadly, most banks do not anticipate that the incorporation of C&M will have a significant impact on parallel runs and some will run manual processes or rely on one-to-one mapping between IAS 39 and IFRS 9 measurement categories. In certain instances, we believe this approach may underestimate the impact of C&M requirements, which drives the exposures subject to impairment.
- Banks which do not intend to include C&M in their parallel runs plan to run simulations or dry runs instead. The number of runs that will be performed will be subject to further assessments by the banks.

2. IFRS 9 project status Progress on 2017 planned parallel runs (continued)



* Data collected from the Australian banks have been excluded in the geographical breakdown to keep confidentiality because of the low number of participants. Furthermore, early adopters and the count of unanswered have been removed from the cumulative count.

2. IFRS 9 project status Point of transition and incremental business as usual (BAU) budget



Commentary

Large range of IFRS 9 budgets up to the point of transition

- Responses illustrate the range of funding requirements across all banks.
- The expected spend is influenced by the size of the institution. A wide range of spend is expected for larger banks, while, in proportion, the budget is more significant for mid-tier banks.
- ► Geography also influences the expected budget, as most Canadian banks expect to spend less than €40m, with French and UK banks spending more than that. Other geographies show a wide range of results.
- Most of the total spend (60% or more) relates to IT infrastructure and modeling. Project management office (PMO), governance and controls are also key items.

Half of the participants have not assessed the IFRS 9 BAU budget yet

- Regardless of the size, most banks are yet to assess the full incremental BAU cost resulting from IFRS 9 post implementation.
- From the limited data collected, the incremental BAU budget appears more influenced by the size of the bank than the expected total IFRS 9 project budget.

3. Operating model Development of target operating model

Commentary

Development of target operating model for IFRS 9

- IFRS 9 represents a large-scale transformational change for financial institutions. Successful implementations will involve fundamental changes across finance, risk, treasury and front-line business activity.
- A key success factor continues to be business readiness and many implementation programs have established dedicated work streams to assess and plan for changes across the following components:
 - ▶ People: This includes the definition of roles and responsibilities, and upskilling through training.
 - ▶ Processes: New end-to-end processes need to be designed and documented, including interdependencies across functions.
 - Internal controls: This includes changes to internal control design. For Securities and Exchange Commission (SEC) registrants, there is significant work to demonstrate SOX compliance. Risk data will now be used for financial reporting purposes and, therefore, controls are subject to increased scrutiny from external auditors and regulators.
 - Data: This includes sourcing and integration of new data requirements, reconciliation of finance and risk data. Some institutions are using IFRS 9 as a business case to support the creation of "golden source" data warehouses in conjunction with regulatory change drivers.
 - Governance: This includes the need for senior management to oversee and govern IFRS 9 is resulting in changes to committee structures across the "three lines of defence". Frequent interactions with the board of directors, audit committees and other senior forums are important during implementation and BAU with clear decision-making criteria and protocols.
 - IT systems: This includes large-scale IT infrastructure changes, including the integration of new credit models into calculation engines. Complex calculations need to be performed leveraging large volumes of new data. Many banks are implementing shorter-term tactical changes for transition with longer-term investments in strategic solutions.
 - Reporting: In addition to the new external reporting requirements, institutions have redesigned internal KPI's and management information (MI) to support decision-making and assess performance.
- The survey has focused on elements of the ECL calculation and staging, such as modeling platforms, frequency of calculation, sourcing of underlying data, KPI's and broader governance considerations.

Use of KPIs in the significant increase in credit risk assessment remains relatively undecided

- Most of the responses received indicate that KPIs which will be used for the significant increase in credit risk assessment are still largely undecided.
- Those that did provide KPIs ranged from the sole use of 30 days past due (DPD) to other quantitative factors, such as cure rates between stages and coverage ratios for each stage. One of the more common qualitative factors was monitoring the volatility between stages when a new classification is triggered by watchlists and forbearance measure.

3. Operating model Modeling platform to be used in ECL calculator



3. Operating model Frequency of the BAU IFRS 9 impairment process

Data							
ECL calculation and staging assessment							
Frequency	ECL calculation	Staging assessment	ECL calculation with full governance	Re- assessment of significance thresholds			
Monthly	22	22	5	-			
Quarterly	7	7	22	2			
Semiannually	-	-	-	-			
Annually	-	-	1	18			
Other	-	-	-	9			
Unanswered	-	-	1	-			

Economic scenarios and significance thresholds

Frequency	Refresh of base case economic scenario	Refresh of alternative economic scenarios	Refresh of probability weights	
Monthly	2	-	-	
Quarterly	20	16	16	
Semiannually	5	5	5	
Annually	1	3	3	
Other	1	5	5	

Retail and wholesale ratings, PDs and LGDs

Frequency	Update of retail ratings and PDs	Update of wholesale ratings and PDs	Update of retail LGDs	Update of wholesale LGDs
Monthly	15	9	12	6
Quarterly	7	7	8	6
Semiannually	1	1	2	2
Annually	3	11	6	11
Other	3	1	1	3
Unanswered	-	-	-	1
	-			

Commentary

ECL calculations performed monthly, but full governance process quarterly

- Responses show strong consistency across all banks in the frequency of main processes.
- Twenty-two banks indicated that the ECL calculation and staging assessment will be performed on a monthly basis. However, the ECL calculation subject to full governance (e.g., approval through respective three lines of defence) will largely be performed on a quarterly basis. This is consistent with the existing frequency of impairment review meetings under IAS 39.

Economic scenarios refresh quarterly

A refresh of the base case and alternative economic scenarios as well as the associated probability weights will be performed on a quarterly basis. More frequent refreshes may result in unnecessary delay for little added benefit.

Staging thresholds revisited annually

- More than half of the participants indicated that they will look to reassess the appropriateness of the staging thresholds on an annual basis.
- ► Some respondents indicated that this will be subject to robust governance, sensitivity analysis and will be portfolio specific.

Frequency of parameter refreshes largely driven by the existing credit rating and credit review process

- Retail ratings, PDs and loss given defaults (LGDs) are mostly updated on monthly basis.
- Wholesale parameters will largely be updated on an annual basis, in line with the credit review cycle, with ad hoc re-rating as new information of the borrower's financial situation comes to light.
- A number of banks reported that, in addition to this, IFRS 9 PDs and LGDs will be updated on a monthly or quarterly basis to incorporate information available and required under IFRS 9 (such as macroeconomic scenario scalers).

3. Operating model IFRS 9 incremental data to be sourced externally



3. Operating model Cutoff dates



3. Operating model Responsibility



Commentary

Responsibility for various components split between finance, risk, operations and economist functions

- Risk is the primary function responsible for data quality; although this will depend on the nature and source of the particular data attribute required for ECL calculation purposes. Hence, finance, economists and operations are also responsible.
- Reconciliation of exposures tends to sit with finance, which ensures that the source to report system data is complete and accurate.
- Model approval is clearly owned within risk as is independent model validation. We expect these to be segregated teams within risk functions.

Multiple economic scenarios

- The base case (most likely) economic scenario is generally the responsibility of economist functions, and in some instances, is a joint responsibility with risk.
- Ownership of alternative scenarios and probability weights follows a similar trend to that observed for the base case scenario, although risk takes more responsibility at the stage of assigning probability weights.

3. Operating model Responsibility (continued)



Commentary

Responsibility for IFRS 9

- Overlays are controlled by risk or finance depending on the nature of the adjustment, e.g., overlays for model underperformance, data quality or idiosyncratic factors that are not captured in the model. Most banks adopt a joint model for responsibility.
- ► ECL calculators are generally owned in the risk function.
- Two-thirds of banks allocate the responsibility of final stage allocation to the risk function.
- ► There is a mixed responsibility model for final impairment numbers with most respondents indicating a joint model. Approaches on governance around these areas appear to still be evolving. The purpose of the question was to consider the governance process for determining the final impairment number rather than the overall responsibility in relation to published financial statements.
- Clear ultimate responsibility and accountability will be required at senior level. Senior management regime in the UK, "three lines of defense" principles in Europe and SOX concepts will be important for banks to give due consideration to while allocating ownership.

3. Operating model Governance for back testing



3. Operating model Back testing



3. Operating model The impact of IFRS 9 on business strategies and control frameworks



4. Stage allocation Overall observations

Commentary

- As already emerged in the previous survey, all banks consider using a combination of quantitative and qualitative drivers structured as primary and secondary drivers, plus backstops. The primary driver is the earliest indicator and is generally based on a relative measure, while the others cover more obvious (absolute) signs of deterioration, such as forbearance or delinquency.
- Most banks intend to use IFRS 9 lifetime PDs and rating deterioration as the primary drivers for staging. This is generally assisted by watchlists and forbearance measures as a secondary indicator for wholesale and retail, respectively.
- ▶ The use of 30 DPD as a backstop for classification into stage 2 is prominent compared with other measures across all types of exposures.
- Several banks will use a combination of different backstops in addition to the 30 DPD presumption, forbearance being one of them when not used as a secondary indicator.
- Use of variation of 12-month PD: Banks will have to demonstrate that they are not missing any significant increase in risk of a default beyond 12 months. This may require further adjustments on the basis of macroeconomic forecasts. However, these indicators are still considered very relevant as they are well understood and have been used and tested for some time.
- Use of variation of lifetime PD: The obvious challenge on transition is to have data available at the origination date for existing portfolios (including forward-looking information). Some banks mentioned that they would have to use proxies on transition (Basel scores, through the cycle (TTC) PDs, latest information available or lending policy cutoffs).
- Use of variation of ratings: Ratings are considered more forward looking by nature as they involve more expert judgment on the basis of a wider range of information, including more prospective information (borrower's financials, sectorial information, etc.) and look beyond a 12-month horizon. Depending on their calibration, they may also require demonstrating that the associated PDs reflect current circumstances and reasonable forecasts.
- Transitional vs. strategic approach: The challenges faced at transition are obviously less significant for banks using Basel scores or PD, although some issues may still arise depending on when the IRB models were built. It remains to be seen whether, in the longer term, the development and increasing use of lifetime PD curve (including forward-looking elements) may result in more convergence toward the use of this more sophisticated quantitative measure.

4. Stage allocation Indicators of significant deterioration in credit risk - retail



Commentary

- Most banks will utilize lifetime PDs as primary indicators with fewer banks intending to use 12-month and Basel PDs as the primary indicator.
- Many banks will utilise forbearance as the secondary indicator, with many other utilizing behavioral scoring processes. No banks indicated forbearance as a primary indicator.
- Most banks will not use 30 DPD as a primary indicator, effectively showing that institutions have heard the regulators' messages about delinquency being a lagging indicator.
- Watchlists continue to only be secondary indicators for both secured and unsecured retail exposures, broadly in line with the observations from 12 months ago. Retail watchlists are more mechanical than for corporate exposures and tend to largely overlap with forbearance and delinquency as well as fixed levels of scores or PDs.
- Similar to secured retail exposures, most banks will use lifetime PDs as the primary indicator with a few banks intending to use 12-month and Basel PDs.
- Forbearance and 30 days past will again be used as backstops for transfers to stage 2. Days past due are considered as a particularly relevant indicator for credit cards by most banks.
- "Specific client monitoring" was generally stated as a secondary indicator within the "other" category.
- Two banks noted forbearance as a primary indicator, which was not the case during the previous survey.

4. Stage allocation Indicators of significant deterioration in credit risk – wholesale



4. Stage allocation Indicators of significant deterioration in credit risk – wholesale (continued)



4. Stage allocation Indicators of significant deterioration in credit risk – debt securities



Commentary

Debt securities exposures

- A number of banks remain undecided on which primary indicators, secondary indicators and backstops they will use.
- A number of banks will use the LCR simplification as their primary indicator of deterioration in credit risk for debt securities. Other banks will utilise lifetime PDs (as opposed to 12-month or Basel PDs) as the primary indicator followed by other risk metrics like scores and ratings.
- Watchlists will generally be used as a secondary indicator. Two banks are considering adding an exposure to their watchlists as a primary indicator of deterioration in credit risk.
- ► A minority of the banks will use ratings and scores as a primary indicator.

4. Stage allocation Simplified stage allocation approaches for specific types of instruments



4. Stage allocation Definition of significant thresholds



4. Stage allocation Forbearance, alignment to Basel definitions of default and derecognition

Commentary

Distinction between performing and nonperforming forbearance

- Fifty percent of banks will allocate nonperforming forborne exposures in stage 3 and performing forborne exposures in stage 2 using one-year and two-year probation periods, respectively. This is to align to the European Banking Authority (EBA) definition of nonperforming status.
- Some banks will slightly depart from the regulatory view and will use forbearance as a trigger to classify into stage 2 in the first year from the change in status and then apply the regular staging criteria thereafter.
- There is diversity between retail and wholesale, with retail having longer probation periods (generally no longer than two years). In some instances, probation periods for stage 2 assets depend on the stage the instruments was classified when not forborne.
- Seven banks noted that they will not consider a link between forbearance and staging as forbearance is already embedded in the ratings or not considered as a distinct indicator.

Alignment of regulatory definitions and rebuttable presumptions

- ► Almost all banks intend to align their IFRS 9 definition of default with the regulatory definition, with only a few exceptions relating to DPD.
- For those banks using a 180 DPD trigger under Basel, full alignment implies rebutting the 90 DPD presumption. These banks also mentioned that their regulatory definition of default is evolving toward a more systematic use of the 90 DPD trigger decreasing the need to rebut the IFRS 9 presumption.
- Certain banks are still considering whether they will rebut the 90 DPD presumption and will only conclude when the parallel run information becomes available.
- The few banks that will rebut the 90 DPD presumption will limit this to very specific portfolios (credit cards in Canada, mortgages in the UK, public sector, sovereigns, institutions or under exceptional circumstances for others).

Different approaches to consider potential derecognition

- Banks apply various approaches to consider possible derecognition when a credit-related modification was made to an exposure. Most banks apply both qualitative and quantitative assessments to identify substantial modifications that will result in derecognition.
- Certain banks apply to assets the 10% quantitative present value test applicable to the derecognition of financial liabilities as per IAS 39. These banks intend to apply the same approach under IFRS 9.
- The definition of a small threshold may cause more derecognition events and, therefore, new assets being recognized as stage 1 or originated credit impaired. The net effect would result in a reduction of ECL.
- Generally, banks consider derecognition to be rare as a result of credit-related modifications and most banks (with the exception of four banks) will not change their derecognition approaches when first applying IFRS 9.
- Banks will consider forbearance in the derecognition assessment, but most banks, with the exception of one, noted that forbearance will rarely result in derecognition. One European bank stated: "When a renegotiation results in the derecognition of a product and the recognition of a new product the new product is considered as purchased or originated credit-impaired (POCI)."
4. Stage allocation The impact of forbearance and alignment to Basel definitions of default



*Other cases of misalignment refer to one bank stating different probation periods for IFRS 9 and regulatory purposes and another bank, which will align fully with the Basel definition of default, but will have stage 1 derecognized forborne assets.

5. Multiple-scenario approach MES on stage allocation and ECL measurement



Commentary

Many banks will use different forward-looking approaches for stage 3

- Integrating forward-looking information in stage 3 means that the LGD will be sensitive to macroeconomic variables as a PD equal to 100% will be used in the ECL calculation.
- Alternative approaches are:
 - Applying only a forward looking overlay
 - Individually assessing how the forward-looking scenarios impact the individual cash flow recoveries on material exposures



^{*}One bank will use discrete scenarios for retail and modeled for wholesale.

5. Multiple-scenario approach Alternative scenarios



5. Multiple-scenario approach Macroeconomic variables



6. Measurement of expected credit loss Credit card portfolio

Commentary

Some divergence in approaches to the "starting point" of credit cards for purposes of significant deterioration

- > Thirty percent of banks will use the initial date when the facility was granted, i.e., when the first credit card was issued.
- A number of banks will use the date when the facility was last increased or when the latest credit review was performed.
- > Certain banks will reassess the date if a more recent credit review is performed and current pricing on the exposure reflects the review outcome.
- ▶ Banks who acquired portfolios of cards will use the date of recognition on their balance sheet.
- Few banks intend to adopt simplified approaches for origination date on the basis of proportionality by adopting absolute measures. This will mostly relate to scenarios where credit card portfolios are not considered to be significant. In addition, two banks will adopt the maximum credit risk approach suggested in the IFRS 9 Implementation Guidance (Example 6), resulting in no need to assess credit risk at origination.

Credit cards average lifetime in stage 2

- ▶ While some banks have decided not to answer, the most common response was that stage 2 retail cards' average lifetime is between 12 and 24 months.
- ▶ Banks that noted an average lifetime of less than 12 months are European.
- Canadian and UK-based banks generally noted a wide range with a number of banks in the lifetime bracket beyond 24 months up to 8 years.
- ▶ The following are examples of approaches to be applied for illustrative purposes:
 - "Based on historic data average lifetime remaining"
 - "Determined following an average time to default approach"
 - "Behavioural life"
 - "Use empirical data: analyze stage 2 stocks to identify the point where the majority of defaults come in"
 - "Estimates derived from internal historical data"
 - "Behavioural approach considering the time to default or time to closing of account paid in full"

6. Measurement of expected credit loss Credit card portfolio (continued)



6. Measurement of expected credit loss ECL measurement approach for specific types of instruments



6. Measurement of expected credit loss ECL measurement approach for specific types of instruments (continued)



Commentary

ECL measurement approaches

- ▶ Banks are adopting mixed approaches for these instruments.
- ► With the exception of approaches for debt securities and sovereign exposures, no significant trend can be identified.
- Most banks will adopt simplified approaches for trade receivables.
- ► Approaches for intercompany exposures include:
 - Assuming explicit parent guarantee for all external borrowers under the standardized approach. Therefore banks would apply the same for intercompany exposures and cascade the rating up to the parent.
 - ▶ If a loan is fully guaranteed by the parent or another group entity, which has an external rating, it should be possible to use a look-through approach and the rating, i.e., PD of the guarantor. As such, there could be instances where ECL is zero because of zero LGD. However, the stage allocation could be affected.
 - Other banks cap the ratings of subsidiaries at the rating of the parent.
- ► A simplified option for sovereign bonds consists of deriving PDs from external ratings or credit default swap (CDS) spreads. The concept of LGD for debt securities is still applicable, but since these are low-default assets, there is usually no data available. In the absence of data, it could be possible to apply regulator stipulated LGD figures or Moody's Sovereign Recovery Rates.

6. Measurement of expected credit loss Contractual rate as a proxy for effective interest rate (EIR)



7. Disclosures Disclosure of gross carrying amount reconciliation



Appendix

The appendix includes the topics below that may not necessarily be directly related to impairment, but are still considered to be key considerations of IFRS 9.

- Valuation of own credit on fair value through profit or loss (FVTPL) liabilities
- ► IFRS 9 hedge accounting

Appendix Valuation of own credit on FVTPL liabilities



* Data collected from the Australian banks have been excluded in the geographical breakdown to keep confidentiality because of the low number of participants.

Appendix IFRS 9 hedge accounting



Glossary

A-IRB	Advanced Internal Rating-Based approach	KPI
BAU	Business as usual	LCR
BCBS	Basel Committee on Banking Supervision	LGD
CET1	Common equity tier 1	LTV
C&M	Classification and measurement	MES
CCF	Credit conversion factor	МІ
DPD	Days past due	PD
EAD	Exposure at default	PiT
EBA	European Banking Authority	PMO
ECL	Expected credit loss	POCI
EDTF	Enhanced Disclosure Task Force	SAS
EIR	Effective interest rate	SEC
FVTPL	Fair value through profit or loss	SME
FVOCI	Fair value through other comprehensive income	SPPI
G-SIB	Global systematically important banks	SOX
IASB	International Accounting Standards Board	том
IRB	Internal Rating-Based approach	3LOD

Key performance indicator
Low credit risk
Loss given default
Loan-to-value
Multiple economic scenarios
Management Information
Probability of default
Point-in-time
Project management office
Purchased or credit impaired
Statistical Analysis System (software suite)
Securities Exchange Commission
Small and medium enterprises
Solely payment of principal and interest
Sarbanes-Oxley Act
Target operating model
Three lines of defense

EY survey contacts



Yolaine Kermarrec ykermarrec1@uk.ey.com Mobile: +44 7982 622 206



Andre Correia dos Santos asantos@uk.ey.com Mobile: +44 7825 763 639



Tara Kengla tkengla@uk.ey.com Mobile: +44 7768 630 062



Anthony Clifford aclifford@uk.ey.com Mobile: +44 7767 706 499



Laure Guegan laure.guegan@fr.ey.com Mobile: +33 6 23 82 24 21



George Prieksaitis george.w.prieksaitis@ca.ey.com Mobile: +1 647 401 2038



Francois Rossouw frossouw@uk.ey.com Mobile: +44 7392 105 971



Gerhard Henning ghenning@uk.ey.com Mobile: +44 13 1240 2511



Cédric Naud cedric.naud@fr.ey.com Mobile: +33 6 72 07 43 75



Martina Tessari mtessari@uk.ey.com Mobile: +44 7468 745 589



Thibaut Barillot tbarillot@fr.ey.com Mobile: +33 1 46 93 83 54



Rhea Ghosal rghosal@uk.ey.com Mobile: +44 7387 129 517

EY regional contacts

Australia

Frank Palmer frank.palmer@au.ey.com

John O'Sullivan john.o'sullivan@au.ey.com

Germany

Jana Währisch jana.waehrisch@de.ey.com

Bernhard Hein bernhard.hein@de.ey.com

Switzerland

Natalia Dembek-Slusarczynska natalia.dembek-slusarczynska @ch.ey.com

Olivier Kaufmann olivier.kaufmann@ch.ey.com

Africa

Riana Wiesner riana.wiesner@za.ey.com

Jamiu Olakisan jamiu.olakisan@ng.ey.com

Belgium

Emmanuel Villaire emmanuel.villaire@be.ey.com

Frank De Jonghe frank.de.jonghe@be.ey.com

Ireland

Martina Keane martina.keane@ie.ey.com

Cormac Murphy cormac.murphy@ie.ey.com

UK

Shaun Carazzo scarazzo@uk.ey.com

Mark D London mlondon@uk.ey.com

Hong Kong

Sky So sky.so@hk.ey.com

Japan

Kazuto Kita kazuto.kita@jp.ey.com

Canada

Caroline Phisel caroline.phisel@ca.ey.com

Shawn Sampson shawn.sampson@ca.ey.com

Italy

Francesca Amatimaggio francesca.amatimaggio@it.ey.com

Emilio Maffi emilio.maffi@it.ey.com

US

John E Gallagher john.gallagher1@ey.com

Anshu Agarwal anshu.agarwal@ey.com

Netherlands

Zeynep Deldag zeynep.deldag@nl.ey.com

Portugal

Angela Barros angela.barros@pt.ey.com

France

Francois Holzman francois.holzman@fr.ey.com

Aurelie Toquet aurelie.toquet@fr.ey.com

Nordics

Pasquale Di Nicola pasquale.di.nicola@se.ey.com

Daniel Forsström daniel.forsström@se.ey.com

Middle East and North Africa

Sarah Sanders sarah.sanders@bh.ey.com

Muhammad Qasier muhammad.qaiser@ae.ey.com

Spain

Randolf Niedermeyer randolf.niedermeyer@es.ey.com

EY IFRS 9 Impairment Banking Survey

EY | Assurance | Tax | Transactions | Advisory

About EY

EY is a global leader in assurance, tax, transaction and advisory services. The insights and quality services we deliver help build trust and confidence in the capital markets and in economies the world over. We develop outstanding leaders who team to deliver on our promises to all of our stakeholders. In so doing, we play a critical role in building a better working world for our people, for our clients and for our communities.

EY refers to the global organization, and may refer to one or more, of the member firms of Ernst & Young Global Limited, each of which is a separate legal entity. Ernst & Young Global Limited, a UK company limited by guarantee, does not provide services to clients. For more information about our organization, please visit ey.com.

© 2017 EYGM Limited. All Rights Reserved.

EYG no. 04799-174Gbl

ED None

This material has been prepared for general informational purposes only and is not intended to be relied upon as accounting, tax or other professional advice. Please refer to your advisors for specific advice.

ey.com