

FALL WORKSHOP - PORTUGAL

10 NOVEMBER 2020





AGENDA

- WELCOME AND INTRODUCTION
- EVIDENCE OF COVID-19 IN OUR DATA
- **RECENT EU REGULATORY DEVELOPMENTS**
- **PORTUGUESE LEGAL CONSIDERATIONS**
- TRANSITIONAL PERIOD REPORTING
- **REPOSITORY SOLUTIONS**
- EDW EXTENDED REPORTING TEMPLATES
- Q&A



ON TODAY'S CALL



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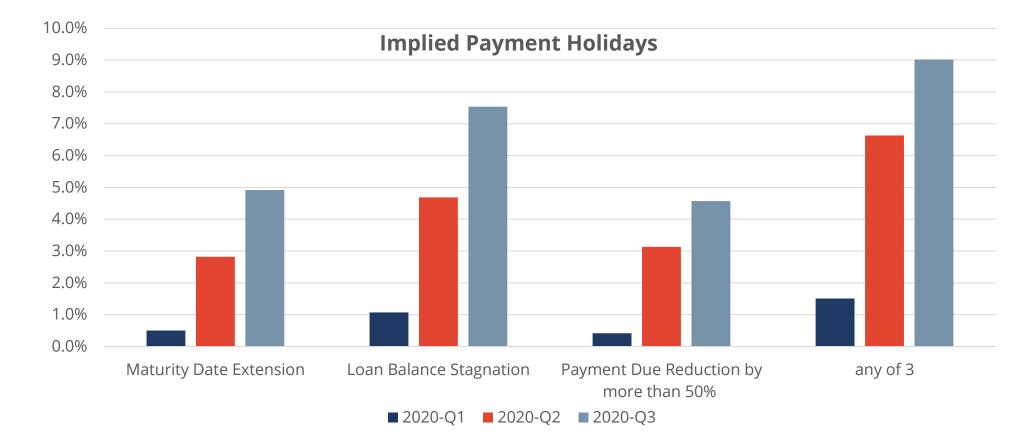


EVIDENCE OF COVID-19 IN OUR DATA MARINE MAITRE



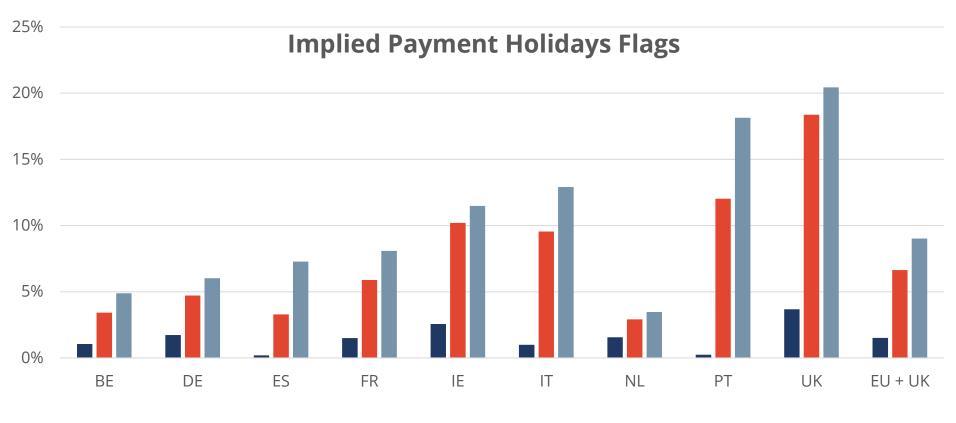
RMBS

Implied Payment Holidays in EU plus UK





RMBS Country level



■ 2020-Q1 ■ 2020-Q2 ■ 2020-Q3

COVID-19 RESEARCH REPORT

Updated regularly with the latest info

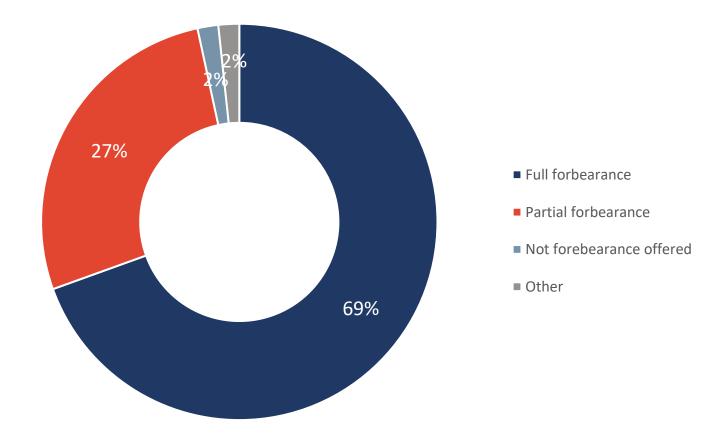






COVID-19 IN OUR DATA – CUSTOMER DISCUSSION Type of forbearance

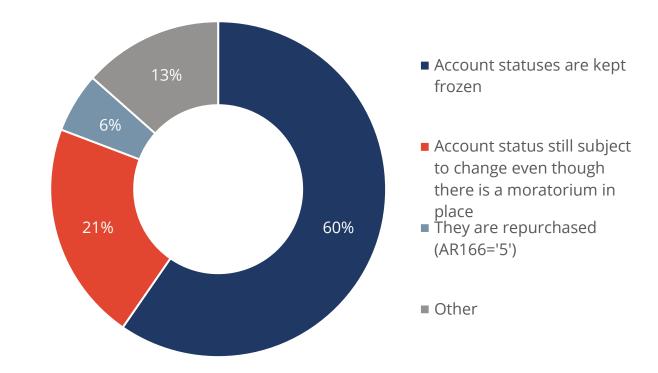
Measures taken by the banks to provide a relief to clients whose payment ability is affected by COVID-19 include:





COVID-19 IN OUR DATA – CUSTOMER DISCUSSION Account Status

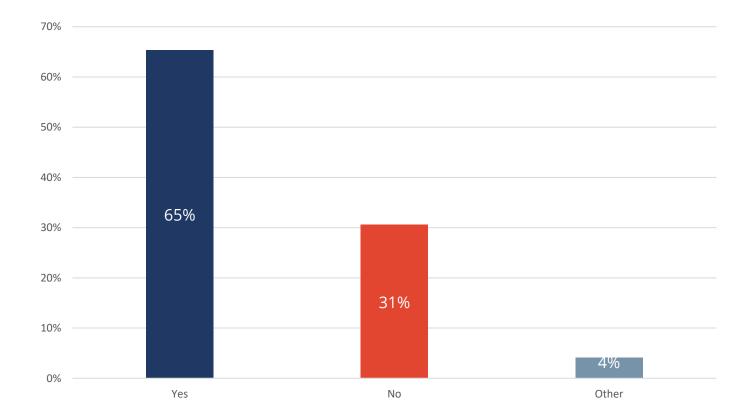
How do you report the account status for loans that benefit from a payment moratorium?





COVID-19 IN OUR DATA – CUSTOMER DISCUSSION Payment Due

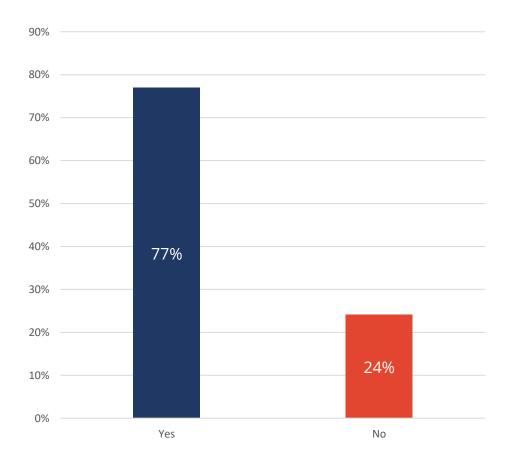
Does the reported Payment Due reflect the moratorium as requested by ECB?





COVID-19 IN OUR DATA – CUSTOMER DISCUSSION Maturity Date

Have you changed the maturity date of loans that fall under a payment moratorium?

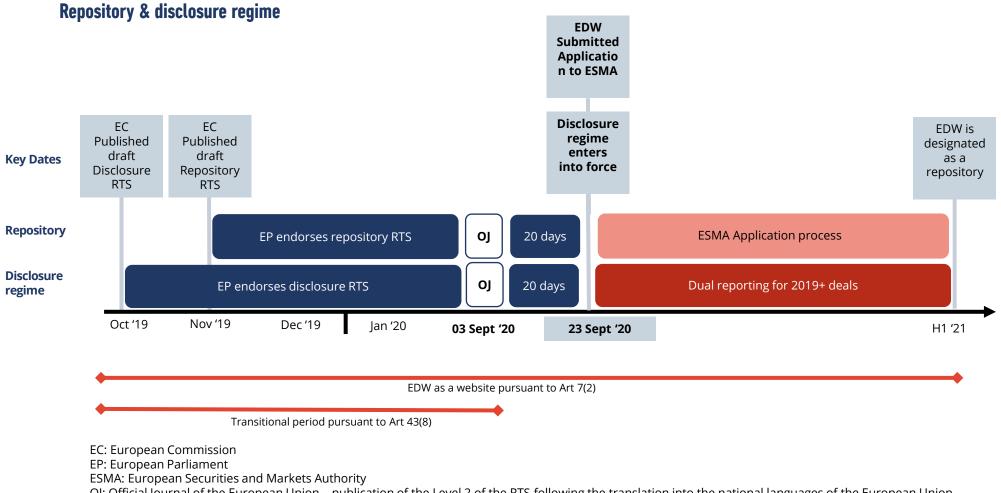




RECENT EU REGULATORY DEVELOPMENTS Marco Angheben



REGULATORY TIMELINE IN 2019–2021



OJ: Official Journal of the European Union – publication of the Level 2 of the RTS following the translation into the national languages of the European Union RTS: Regulatory Technical Standards

PUBLICATION OF THE PENDING RTS/ITS IN THE OFFICIAL JOURNAL OF THE EU

- On 3 September 2020, the pending Regulatory and Implementing Technical Standards (RTS/ITS) of the Securitisation Regulation (EU) 2017/2402 were published in the Official Journal (OJ)
- These include:
 - RTS/ITS on disclosure requirements
 - RTS/ITS on the Securitisation Repository (SR) registration
 - RTS on SR operations standards
 - RTS/ITS on STS Notifications
- The date of entry into force for the published RTS/ITS under the Securitisation Regulation is 23 September 2020

Official Journal of the European Union	L 289
English edition Legislation	Volume 63 3 September 2020
Contents II Non-legislative acts REGULATIONS * Commission Delegated Regulation (EU) 2020/1224 of 16 C Regulation (EU) 2017/2402 of the European Parliament and on regulatory technical standardas specifying the information and the made available by the originator, sponsor and SSPE (*)	f the Council with regard to details of a securitisation to be
 Commission Implementing Regulation (EU) 2020/1225 of 29 implementing technical standards with regard to the format at making available the information and details of a securitization b SSPE () Commission Delegated Regulation (EU) 2020/1226 of 12 No Regulation (EU) 2017/2402 of the European Parliament and of regulatory technical standards specifying the information to be pr STS notification requirements () 	nd standardized templates for by the originator, sponsor and
 Commission Implementing Regulation (EU) 2020/1227 of 12 1 implementing technical standards with regard to templates for th accordance with the STS notification requirements (¹). Commission Implementing Regulation (EU) 2020/1228 of 29 1 implementing technical standards with regard to the format of ap securitisation repository or for extension of a registration of a Regulation (EU) 2017/2402 of the European Parliament and of the 	te provision of information in 315 November 2019 laying down oplications for registration as a trade repository pursuant to
* Commission Delegated Regulation (EU) 2020/1229 of 29 No Regulation (EU) 2017/2402 of the European Parliament and on regulatory technical standards on securitisation repository of collection, aggregation, comparison, access and verificat consistency (¹)	f the Council with regard to perational standards for data tion of completeness and



ENTRY INTO FORCE OF THE SECURITISATION REGULATION REQUIREMENTS

- ESMA has confirmed that the date of entry into force for the published RTS/ITS under the Securitisation Regulation is 23 September 2020
- In the meantime, EDW already serves the securitisation market as a website compliant with the requirements set out in Article 7 (2) of the Securitisation Regulation (EU) 2017/2402.

ESMA CONFIRMS SECURITISATION REGULATION REQUIREMENTS ENTRY INTO FORCE ON 23 SEPTEMBER 2020

04 September 2020

SECURITISATION

The European Securities and Markets Authority (ESMA), the EU's securities markets regulator, confirms that the different elements of the new regime under the Securitisation Regulation will come into force on 23 September 2020.

This follows the publication of seven technical standards implementing the Securitisation Regulation in the Official Journal of the European Union. The publication of the technical standards triggers

- Opening of applications for entities to register as Securitisation Repository (SR); and
- Entry into force of new disclosure templates

Opening of applications for entities to register as SR

https://www.esma.europa.eu/press-news/esma-news/esma-confirms-securitisation-regulation-requirements-entry-force-23-september

EUROPEAN DATAWAREHOUSE SUBMITS APPLICATION TO ESMA TO BE REGISTERED AS A SECURITISATION REPOSITORY

EUROPEAN DATAWAREHOUSE PRESS RELEASE European Datawarehouse Submits Application to ESMA to be

Registered as a Securitisation Repository

FRANKFURT, GERMANY – 23 September 2020 – European DataWarehouse (EDW) today announced it has submitted its application to become a

Securitisation Repository register and Markets Authority (ESMA).

The extensive application describ aspects of the company and its m

In January 2018, European DataW Securitisation Repository under E platform for the Securitisation Re the platform was initially launche to reflect the latest template char

Prof. José Manuel González-Párar stated: "EDW was founded in 201 securitisation market and restore track record as the securitisation that EDW will submit a successfu securitisation repository by ESMA

Steve Gandy, Managing Director a added: "As a founding shareholds committed to promoting best pramarket. Hence our continued sup tirelessly towards the goal of gree market, and we are confident tha repository services which are a bsuccessful application". ESMA RECEIVES SECURITISATION REPOSITORY REGISTRATION APPLICATION

23 September 2020

SECURITISATION

The European Securities and Markets Authority (ESMA), the EU's securities markets regulator, has received its first application for registration as a securitisation repository (SR) under the Securitisation Regulation.

ESMA, under the Securitisation Regulation, has direct responsibilities regarding the registration and supervision of SRs, who centrally collect and maintain the records of securitisation transactions in the EU.

The reporting obligation for reporting entities will begin with the registration of the first SR. ESMA will announce publicly when the first SR(s) are registered.

If you are interested in applying for a registration, please refer to this guidance, and for further information on the registration process, please contact SR-registration@esma.europa.eu.

"European DataWarehouse (EDW) today (23 September 2020) announced it has submitted its application to become a Securitisation Repository registered and supervised by the European Securities and Markets Authority (ESMA).

The extensive application describes in detail the sound operational and technical aspects of the company and its market-leading reporting solutions."



PORTUGUESE LEGAL CONSIDERATIONS

MARCO ANGHEBEN, EUROPEAN DATAWAREHOUSE SEBASTIÃO NOGUEIRA, VIEIRA DE ALMEIDA



TRANSITIONAL PERIOD REPORTING MARINE MAITRE

MEETING THE WEBSITE REQUIREMENTS SET OUT IN ARTICLE 7(2) OF THE (EU) 2017/2402

EUROPEAN DATAWAREHOUSE:

- 1. Includes a well-functioning data quality control system
- 2. Is subject to appropriate governance standards and to maintenance and operation of an adequate organisational structure that ensures the continuity and orderly functioning of the website
- 3. Is subject to appropriate systems, controls and procedures that identify all relevant sources of operational risk
- 4. Includes systems that ensure the protection and integrity of the information received and the prompt recording of the information
- 5. Makes it possible to keep record of the information for at least five years after the maturity date of the securitisation



ECB PRESS RELEASE OF 22 MARCH 2019

On 22 March 2019, the European Central Bank announced that the **"transparency requirements of the EU Securitisation Regulation will be incorporated into the Eurosystem collateral framework"**

As part of this, the ECB has decided the following:

- The eligibility requirements for loan-level data reporting in the Eurosystem collateral framework will be adjusted to reflect EU Securitisation Regulation's disclosure requirements
- The eligibility criteria for asset-backed securities will change at a future date, subject to the following two conditions being met:

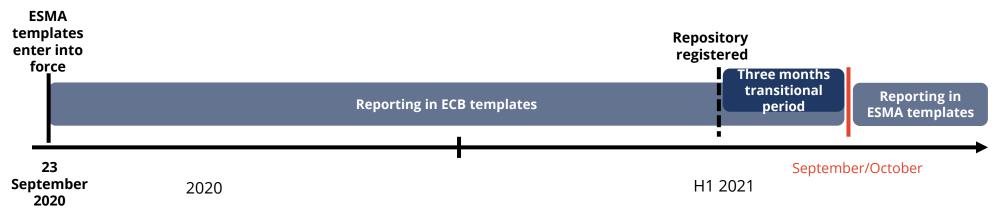
1. The ESMA templates adopted by the European Commission must have entered into force

- 2. At least one securitisation repository must have been registered by ESMA
- The phasing-in of the new loan-level data requirements will be gradual

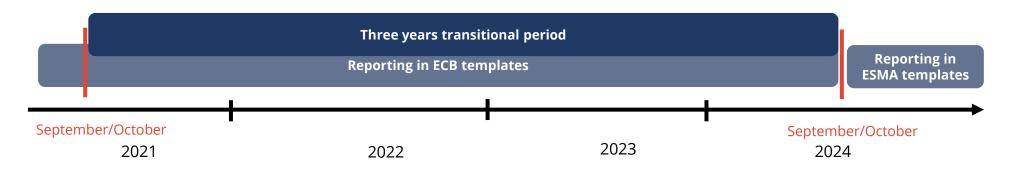
https://www.ecb.europa.eu/press/pr/date/2019/html/ecb.pr190322~1fdcdd3c43.en.html

TENTATIVE TIMELINE* OF THE EUROSYSTEM PHASING-IN OF THE NEW LOAN-LEVEL DATA REQUIREMENTS

Eurosystem transparency regime for 2019+ deals



Eurosystem transparency regime for < 2019 deals



* This timeline is based on ED calculations with the information publicly available as of September 2020 and it is potentially subject to change



REPOSITORY SOLUTIONS BRUNO PEREIRA

DISCLOSURE REQUIREMENTS – DOCUMENTS TO REPORT

Everything you need to know about the Reporting Requirements of the EU Securitisation Regulation

Disclosure Requirements - Documents to Report

Before Pricing

Documentation

Item Code	Document					
[3]	Final offering document; prospectus; closing transaction documents, excluding legal opinions					
[4]	Asset sale agreement; assignment; novation or transfer agreement; any relevant declaration of trust					
[5]	Derivatives and guarantees agreements; any relevant documents on collateralisation arrangements where the exposures being securitised remain exposures of the originator					
[6]	Servicing; back-up servicing; administration and cash management agreements					
[7]	Trust deed; security deed; agency agreement; account bank agreement; guaranteed investment contract; incorporated terms or master trust framework or master definitions agreement or such legal documentation with equivalent legal value					
[8]	Inter-creditor agreements; derivatives documentation; subordinated loan agreements; start- up loan agreements and liquidity facility agreements					
[9]	Any other underlying documentation that is essential for the understanding of the transaction					
[10]	STS Notification					
O Quarter	🚯 Quarterly (Non-ABCP); Monthly (ABCP) XML Data Templates					
[1]	Underlying exposures or underlying receivables or credit claims					
[2]	Investor report	Common XML file to report [2] and [11]/[12] in a				
[11] or [12]	Inside Information or Significant Event	single XML file XML				



SUBMIT AND MANAGE DOCUMENTS - INDIVIDUAL DOCUMENT UPLOAD

Ê

🖍 Edit 🔋 Delete	
B Template ESMA Template Documents	B Template
O Documents Uploaded	

Upload New Document(s)		Document Information Required				
Upload Type						
Document Link		Pool Cut-off Date:				
Document Type						
Investor Reports		Proceed Cance				
Document File						
Investor Report_2019-09-15.pdf		Upload New Document(s)				
Signature File		15049: Invalid File Name.				
Click or drop signature file here						
Is Provisional?						
Yes No						
Is Private? (1)						
Yes No						
Reset	Upload					

To upload an individual document:

- 1. Please click "Documents" and select the Document Type
- 2. Individual document upload also supports URL upload.

Please note:

Signature File is not mandatory for Document Upload

• The types of Underlying Exposures, Investor Reports, Inside Information and Significant Events request also the Pool Cut-off Date in the file name with the below format, otherwise an error will be displayed indicating "Invalid File Name".

FileName_YYYY-MM-DD

YYYY-MM-DD refers to the pool cut-off date (PCD). For example the file name of the investor report could be

Investor Report_2019-10-15.pdf

The PCD is supposed to be in line with the PCD in the LLD file



SUBMIT AND MANAGE DOCUMENTS - MULTIPLE DOCUMENT UPLOAD

nformation Data & Documents	ECB Template ESMA Template Documen
ere you can upload and/or delete submitted documents for this Entity.	O Documents Uploa
Jpload New Document(s)	
pload Type	🔑 1_LeaseLoan_2019-12-01.pdf
Document Link	2_Investor Report_2019-12-01.pdf
locument Type	3_AccountDetail.pdf
Multiple	🕗 4_Detail4 - Copy.pdf
Document File	5_Detail5.pdf
Click or drop file here	🕗 6_Detail6.pdf
ignature File	7_Detail7.pdf
Click or drop signature file here	👃 8_Detail8.pdf
	9_Detail9_00.pdf
Provisional?	11_Inside Information_2019-12-01.pdf
Yes No	12_Significant Event_2019-12-01.pdf
s Private? (1) Yes No	529900IUR3CZBV87LI37N201921.zip
Reset Upload	

To upload multiple documents,

1. Click "Documents" and select "**Multiple**" as the "Document Type" to upload.

<u>Please note</u>:

- To upload multiple documents, the filename needs to include the item codes. The zip file name could be "SecuritisationID.zip" or "EDCode.zip"
- The types of Underlying Exposures, Investor Reports, Significant Events and Inside Information require also the Pool Cut-off Date in the file name with the format: ItemCode_FileName_YYYY-MM-DD ItemCode_FileName

For example, 2_Investor Report_2019-10-15 3_Prospectus 11_Inside Information_2019-10-15 12_ Significant Event_2019-10-15



CSV TO XML CONVERTER Bruno Pereira

NOVEMBER 2020

XML CONVERTER UPDATES

 EDITOR
 Dashboard
 Deals
 Tickets
 Findings
 CSV to XML converter

EDW offers an online portal (<u>https://csv2xml.eurodw.eu</u>) to convert ESMA Templates from EDW defined CSV to ESMA XML Format

Following the publication of the latest XML schema (v 1.2.0) by ESMA on 19 August 2020, EDW has released an updated version of the XML Converter

Main improvements include the following enhancements:

- Generation and validation of XMLs based on the latest XML schemas (v 1.2.0)
- Optional collaterals (performing exposures) for Corporate and Esoteric templates
- Optional collaterals (non-performing exposures) for Credit Cards, Consumer, Corporate and Esoteric templates

JROPEAN Awarehouse	LOG OUT
CSV to XML Converter	
Valid Zip File Name: <securitisationidentifier>_<cutoffdate>.zip (e.g. 9857106A0EDK0899AM17N192215_2018-05-31.zip) Sorting of Loan IDs: Loans and collaterals must be sorted in the same order using the "New Underlying Exposure Identifier" field Choose File No file chosen Convert Download Sample CSV Files</cutoffdate></securitisationidentifier>	ż
Frequently Asked Questions File Naming and Formatting Instructions	
 All CSV files must be named exactly as in the sample files All CSV files must contain exact row headers as in the sample files The CSV files must be zipped with the file name format SecuritisationIdentifier_CutOffDate.zip The CSV files must be comma-separated. No other separators like Tab or Pipe is accepted If the field itself has multiple values, the values need to be separated by comma and enclosed using double quotes The loans and collateral CSV files must be sorted in the same order using the "New Underlying Exposure Identifier" field 	
Field Formats	
How to populate SEAS6 / SESS6 (Material Amendment to Transaction Documents)?	
How to populate the Counterparty section?	



CONVERT

CSV to XML Converter		
 Valid Zip File Name: <securitisationidentifier>_<cutoffdate>.zip (e.g. 9857106A0EDK9B99AM1</cutoffdate></securitisationidentifier> Sorting of Loan IDs: Loans and collaterals must be sorted in the same order using the "New United States and Collaterals must be sorted in the same order using the "New United States and Collaterals must be sorted in the same order using the "New United States and Collaterals must be sorted in the same order using the "New United States and Collaterals must be sorted in the same order using the "New United States and Collaterals must be sorted in the same order using the "New United States and Collaterals must be sorted in the same order using the "New United States and Collaterals must be sorted in the same order using the "New United States and Collaterals must be sorted in the same order using the "New United States and Collaterals must be sorted in the same order using the "New United States and Collaterals must be sorted in the same order using the "New United States and Collaterals must be sorted in the same order using the "New United States and Collaterals must be sorted in the same order using the "New United States and Collaterals must be sorted in the same order using the "New United States and Collaterals must be sorted in the same order using the "New United States and Collaterals must be sorted in the same order using the "New United States and Collaterals must be sorted in the same order using the "New United States and Collaterals must be sorted in the same order using the "New United States and Collaterals must be sorted in the same order using the "New United States and Collaterals must be sorted in the same order using the same order using the "New United States and Collaterals must be sorted in the same order using the "New United States and Collaterals must be same order using the "New United States and Collaterals must be sorted in the same order using the "New United States and Collaterals must be same order using the "New United States and Collaterals must be same order us		
Choose File No file chosen Convert	Download Sample CSV Files	*
Frequently Asked Questions		
File Naming and Formatting Instructions		
 All CSV files must be named exactly as in the sample files All CSV files must contain exact row headers as in the sample files The CSV files must be zipped with the file name format: SecuritisationIdentifie The CSV files must be comma-separated. No other separators like Tab or Pipe If the field itself has multiple values, the values need to be separated by comm The loans and collateral CSV files must be sorted in the same order using the 	is accepted na and enclosed using double quotes	
Field Formats	Name	Date modified
How to populate SEAS6 / SESS6 (Material Amendment to Transaction Documents	 1_AUT_Loan.csv 2_Cashflow.csv 2. Securitisation.csv 	2020-01-20 11:32 2020-01-15 09:32 2020-01-15 10:50
How to populate the Counterparty section?	 2_Secondsation.csv 2_TestsEventsTriggers.csv 12_Account.csv 12_Bond.csv 	2020-01-15 10:50 2020-01-15 09:32 2020-01-15 09:33 2020-01-20 11:35
	 12_bolicsv 12_CLOManager.csv 12_CLOSecuritisation.csv 12_COllateral.csv 	2020-01-15 09:33 2020-01-15 09:33 2020-01-15 09:33
	 12_CounterParty.csv 12_Other.csv 12_Securitisation.csv 	2020-01-15 09:33 2020-01-15 09:33 2020-01-15 10:45
NOVEMBER 2020	12_SyntheticCoverage.csv 529900IUR3CZBV87LI37N201921_2019-12-31.zip	2020-01-15 09:33 2020-01-20 11:35

- 1. Click "Download Sample CSV Files" and fill in the data in the CSV files.
- 2. Select and compress the csv files to a zip file.
- Rename the zip file to: Securitisation Identifier_CutOffDate.zip For example: 529900IUR3CZBV87LI37N201921_2019-12-31.zip
- 4. Browse the zip file and click "Convert"

Please note:

• Further instructions are provided in the section "Frequently Asked Questions".



CONVERT

ZIP / CSV input validation succeeded		
Conversion succeeded		
XML output validation succeeded (as per ESMA's latest XSD	schema published on 20 December 2019)	
Conversion Result		
PASSED_529900IUR3CZBV87LI37N201921_2019-12-31_20200	121165536791.zip 📥	
	Name]
« Convert another file	1_AUT_2019-12-31.xml	
	2_12_2019-12-31.xml	
	529900IUR3CZBV87LI37N201921_2019-12-31.zip	
ZIP / CSV input validation succeeded		
Conversion succeeded		
XML output validation failed (as per ESMA's latest XSD schema published on 24) December 2019). Please check the log for details.	
Conversion Result		
]	
FAILED_529900IUR3CZBV87LI37N202002_2018-05-01_20200120130732695.zip	7	
How to correct your errors?	Name]
Please check your error log for the incorrect values.	1_LES_2018-05-01.xml	
You can refer to ESMA's explanatory Excel Files on details of how these fields need to be reported.	2_12_2018-05-01.xml	
For further assistance, please email your error log to our ESMA template experts at csv2xml@eurodw.o	098_SchemaError.log	
IOVEMBER 2020	529900IUR3CZBV87LI37N202002_2018-05-01.zip	1

- 5. The conversion result will be displayed.
- Click the link displayed as conversion result to access the XML files or error log files generated.
- 7. The XML files are generated and prepared to be uploaded. See section 3.11 for the next steps.

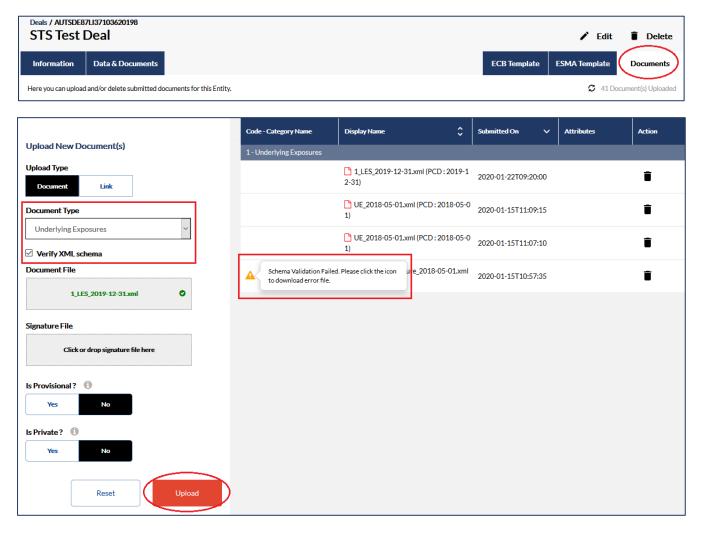
(end of process)

<u>Please note:</u>

- In case the conversion of the CSV files fails the XML validation, the schema error can be downloaded.
- The XML files will be generated with the correct naming, for example: 1_AUT_2019-12-31.xml



UPLOAD XML AS DOCUMENT & VERIFY XML SCHEMA



- To upload XML as document and verify ESMA XML Schema, click "Documents".
- 2. Select the relevant "Document Type", for example Underlying Exposures or Investor Report. To validate the XML Schema tick the checkbox "Verify XML Schema".
- 3. Browse or drop the XML file to be verified, click "Upload".
- 4. The files uploaded will be displayed under the Document Section.

<u>Please note:</u>

 If Schema Validation fails, a warning message will be displayed.



UPLOAD XML AS DOCUMENT & VERIFY XML SCHEMA

Deals / AUTSDE8						1	Edit
Information	Data & Documents			E	CB Template	ESMA Temp	late
+ Data Templa	ites						
- Documentat	tion						
					Results pe	r category: 10	25
Category	PCD	\$ Display Name	Submitted On	~	Attributes		Action
Underlying Exposure	es						
	2019-12-31	1_AUT_2019-12-31.xml	2020-01-20T15:58:03		-		€
Investor Reports							
	2019-12-31	2_12_2019-12-31.xml	2020-01-20T16:10:53		-		<u>+</u>
	2019-12-31	2_12_2019-12-31.xml	2020-01-20T16:10:24		-		Ŧ

5. The uploaded files are available for download in XML format by navigating to "Data & Documents"

(end of process)

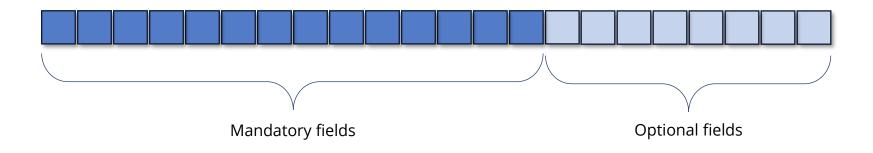


EDW EXTENDED REPORTING TEMPLATES Bruno Pereira



ECB TEMPLATES 2012 - TODAY

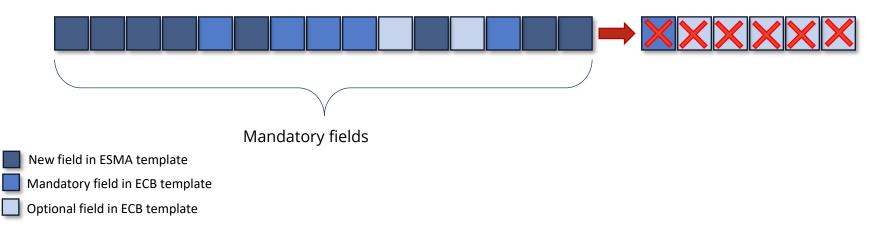
- Between December 2012 and September 2013 the European Central Bank (ECB) published a series
 of reporting templates that were intended to improve transparency, give investors access to loanlevel data, as well as ensure that rating agencies and other market participants have the information
 they need to update their credit and cash flow models.
- The reporting templates consist of various sets of fields. While all of the data fields requested are in principal relevant to Asset Backed Securities, the Eurosystem decided that only a subset of those fields should be mandatory. Still counterparties were encouraged to include information in optional data fields in the template.





ESMA TEMPLATES 2018 AND GOING FORWARD

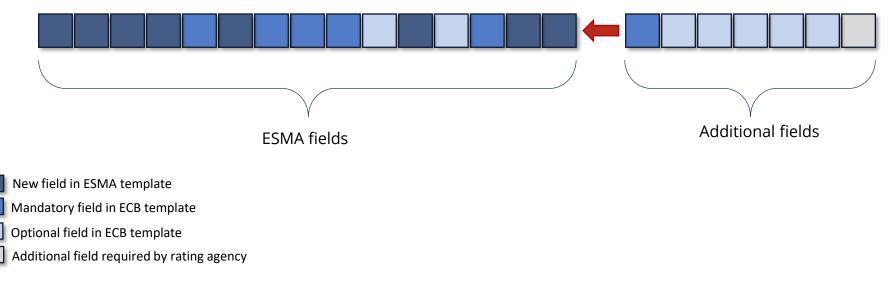
- In August 2018 the European Securities and Market Authority (ESMA) published the draft underlying exposure templates published in the first report by ESMA, and the subsequent versions published by ESMA, are based on the European Central Bank (ECB) Asset-Backed Securities (ABS) loan-level data templates and are taking into account other data reporting standards (Bank Integrated Reporting Dictionary) and the reporting under different regulations such as MiFID II and MiFIR.
- Compared to the ECB templates there are a series of key differences between the ESMA templates and the existing ECB templates.
- A key difference is the removal of fields. The ESMA templates include only mandatory fields. Some of the optional fields in the ECB templates were converted to mandatory fields and other optional fields have been removed from the ESMA templates.





EDW EXTENDED TEMPLATES

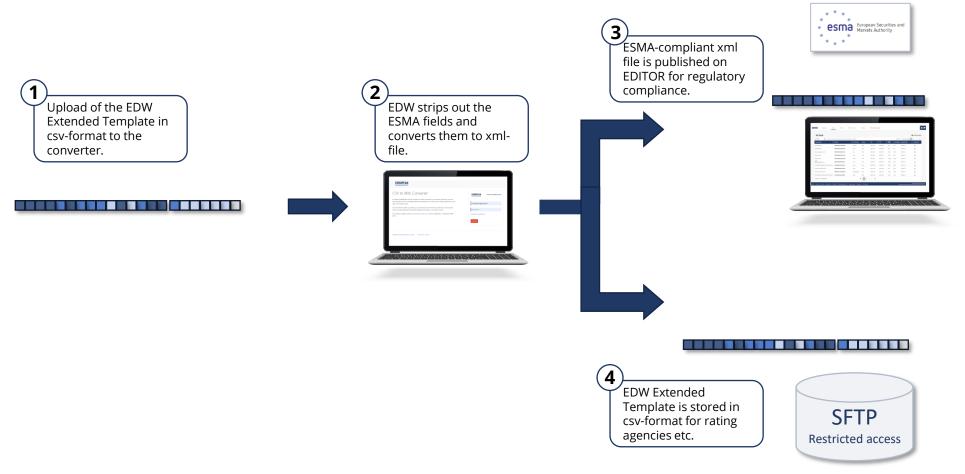
- The ESMA templates no longer comprise data fields containing valuable information that rating agencies and other market participants need to update their credit and cash flow models.
- European DataWarehouse (EDW) launched a project with the four leading rating agencies (Moody's, S&P, Fitch, DBRS) to extend the ESMA templates with the additional data fields containing the missing information.
- The result are the EDW Extended Templates comprising all data fields required to meet the regulatory disclosure requirements while at the same time providing all the information required by rating agencies and other market participants.





EDW EXTENDED TEMPLATES – DATA PROCESS

The upload process for the EDW Extended Templates is straightforward and simple.





KEY FEATURES & BENEFITS

KEY FEATURES

- EDW Extended Templates contain all mandatory data fields prescribed by ESMA + the additional fields relevant for rating agencies
- Data can be submitted in easy to use csv-format
- Automatic generation of ESMA compliance files in XML-format
- EDW Extended Templates are provided via SFTP with restricted access for selected parties only

KEY BENEFITS

- EDW Extended Templates have been designed by EDW and the four leading rating agencies
- No need to prepare a second loan tape for rating agencies
- Saves time and resources
- Free of charge





NOVEMBER 2020



THANK YOU//CONTACT US

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