



Model Validation

Model Validation Report

Model validation evidence across published CENARYX model packs.

STATUS

Amber

PACKS

6

Published model packs

TOTAL MODELS

10

Published model rows

GREEN

8

Ready evidence

AMBER

2

Limited evidence

RED

0

Critical gaps

DQ RULES

53

Applied or available DQ checks

Run Metadata

RUN ID

58ec4a2092d4419fae1fb843000101e6

SOURCE COMMIT

4b2f6e9f

BUILD VERSION

validation-phase-1

PUBLISHED PROFILE

default

REFERENCE DATE

2017-02-17

REPORT SCOPE

All published model validation packs

SELECTED VERSION

Latest for each pack

PACK COUNT

6

PUBLISHED FILES

12

EXECUTION MODES

inprocess-model-validation

ENVIRONMENTS

local

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Published Packs

Pack	Scope	Models	DQ Rules	Latest Run	Status
Pricing / DCF Discounted cashflow pricing model evidence for bond-style deterministic valuation.	Rates pricing models	1	1	2026-06-17 19:53	Amber
Sensitivity Models PV01 and shifted scenario sensitivity evidence.	Finite-difference sensitivity models	1	8	2026-06-17 19:53	Green
VaR / ES Models Historical simulation VaR and ES model evidence with scenario vectors and limitations.	Market risk distribution models	3	18	2026-06-17 19:53	Green
FRTB IMA FRTB IMA expected-shortfall model readiness, liquidity-horizon scope and regulatory approval evidence.	FRTB IMA models	2	14	2026-06-17 19:53	Green
FRTB SBA FRTB standardised/SBA model readiness, SBM metadata quality and charge evidence.	FRTB standardised/SBA models	1	11	2026-06-17 19:53	Amber
Volatility Models Equity and interest-rate volatility surface lookup, interpolation and diagnostics.	Volatility surface models	2	1	2026-06-17 19:53	Green

Pricing / DCF Portfolio

Common Model Validation Portfolio · 6 position(s)

Position	Instrument	Asset Class	Currency	Notional	Model	Datasets
MODEL-BOND-FIXED-001	BND/EUR/FIXED/5Y/MODEL	Rates	EUR	1,000,000	DCF-BOND-001	Cashflows, DiscountCurve, ValuationDate, DayCountConvention
MODEL-BOND-ZERO-001	BND/EUR/ZERO/5Y/MODEL	Rates	EUR	1,000,000	DCF-BOND-001	Cashflows, DiscountCurve, ValuationDate, DayCountConvention
MODEL-IRS-PAYER-001	IRS/EUR/PAYER/5Y/MODEL	Rates	EUR	1,000,000	DCF-BOND-001	Cashflows, DiscountCurve, ValuationDate, DayCountConvention
MODEL-EQOPT-CALL-ATM-001	EQU/OPT/SAP/CALL/ATM/MODEL	Equity	EUR	10,000	DCF-BOND-001	Cashflows, DiscountCurve, ValuationDate, DayCountConvention
MODEL-CAP-3Y-ATM-001	CAP/EUR/3Y/ATM/MODEL	Rates	EUR	1,000,000	DCF-BOND-001	Cashflows, DiscountCurve, ValuationDate, DayCountConvention
MODEL-FUT-EQU-SAP-SEP26-001	FUT/EQU/SAP/202609	Equity	EUR	100	DCF-BOND-001	Cashflows, DiscountCurve, ValuationDate, DayCountConvention

Pricing / DCF Applied DQ Checks

APPLIES

No

DQ profile availability

RULES

1

Published checks

PASSED

0

Ready checks

WARNINGS

0

Limited checks

FAILED

0

Critical checks

No DQ check publication is available for this model pack.

Rule	Name	Scope	Status	Limitation
DQ-NOT-APPLICABLE	Data quality rule pack placeholder	Rates pricing models	NotApplicable	No dedicated DQ rule pack is currently applicable to this model pack.

Pricing / DCF Tests

TESTS

1

Published tests

PASSED

1

Successful tests

WARNINGS

0

Limited tests

FAILED

0

Critical tests

EVIDENCE TABLES

0

Attached samples

Test	Instrument	Expected	Actual	Tolerance	Status
Cashflow PV reconciliation	BND/EUR/FIXED/5Y/MODEL	Sum(discounted cashflows) equals engine PV	sum=1047788.85765279, pv=1047788.85765279	abs diff <= 0.01	Green

Sensitivity Models Portfolio

Common Model Validation Portfolio · 6 position(s)

Position	Instrument	Asset Class	Currency	Notional	Model	Datasets
MODEL-BOND-FIXED-001	BND/EUR/FIXED/5Y/MODEL	Rates	EUR	1,000,000	SENSI-FD-PV01-001	ScenarioResultDto, RiskFactorConfig, ProductionPricingInputs, ShiftSize
MODEL-BOND-ZERO-001	BND/EUR/ZERO/5Y/MODEL	Rates	EUR	1,000,000	SENSI-FD-PV01-001	ScenarioResultDto, RiskFactorConfig, ProductionPricingInputs, ShiftSize
MODEL-IRS-PAYER-001	IRS/EUR/PAYER/5Y/MODEL	Rates	EUR	1,000,000	SENSI-FD-PV01-001	ScenarioResultDto, RiskFactorConfig, ProductionPricingInputs, ShiftSize
MODEL-EQOPT-CALL-ATM-001	EQU/OPT/SAP/CALL/ATM/MODEL	Equity	EUR	10,000	SENSI-FD-PV01-001	ScenarioResultDto, RiskFactorConfig, ProductionPricingInputs, ShiftSize
MODEL-CAP-3Y-ATM-001	CAP/EUR/3Y/ATM/MODEL	Rates	EUR	1,000,000	SENSI-FD-PV01-001	ScenarioResultDto, RiskFactorConfig, ProductionPricingInputs, ShiftSize
MODEL-FUT-EQU-SAP-SEP26-001	FUT/EQU/SAP/202609	Equity	EUR	100	SENSI-FD-PV01-001	ScenarioResultDto, RiskFactorConfig, ProductionPricingInputs, ShiftSize

Sensitivity Models Applied DQ Checks

<p>APPLIES</p> <p>Yes</p> <p>DQ profile availability</p>	<p>RULES</p> <p>8</p> <p>Published checks</p>	<p>PASSED</p> <p>8</p> <p>Ready checks</p>
<p>WARNINGS</p> <p>0</p> <p>Limited checks</p>	<p>FAILED</p> <p>0</p> <p>Critical checks</p>	

No DQ check publication is available for this model pack.

Rule	Name	Scope	Status	Limitation
Sensitivity.SensitivityResultCompleteness	SensitivityResultCompleteness	Prod Profile: Sensitivity Model	Green	Production DQ strategy executed: 6 passed, 0 failed, 0 skipped.
Sensitivity.SensitivityRiskVectorCoverage	SensitivityRiskVectorCoverage	Prod Profile: Sensitivity Model	Green	Production DQ strategy executed: 5 passed, 0 failed, 2 skipped.
Sensitivity.IrSensitivity	IrSensitivity	Prod Profile: Sensitivity Model	Green	Production DQ strategy executed: 4 passed, 0 failed, 2 skipped.
Sensitivity.EqSensitivity	EqSensitivity	Prod Profile: Sensitivity Model	Green	Production DQ strategy executed: 2 passed, 0 failed, 4 skipped.
Sensitivity.ExpiredPosition	ExpiredPosition	Prod Profile: Sensitivity Model	Green	Production DQ strategy executed: 6 passed, 0 failed, 0 skipped.
Sensitivity.RfValue	RfValue	Prod Profile: Sensitivity Model	Green	Production DQ strategy executed: 6 passed, 0 failed, 0 skipped.
Sensitivity.OptionalityVega	OptionalityVega	Prod Profile: Sensitivity Model	Green	Production DQ strategy executed: 1 passed, 0 failed, 5 skipped.
Sensitivity.SensitivityVolaPerAssetClass	SensitivityVolaPerAssetClass	Prod Profile: Sensitivity Model	Green	Production DQ strategy executed: 2 passed, 0 failed, 4 skipped.

Sensitivity Models Tests

TESTS

2

Published tests

PASSED

0

Successful tests

WARNINGS

2

Limited tests

FAILED

0

Critical tests

EVIDENCE TABLES

2

Attached samples

Test	Instrument	Expected	Actual	Tolerance	Status
Bond IR delta approximation	BND/EUR/FIXED/5Y/MODEL	IR full revaluation is close to delta-only approximation	max relative diff 1,044,174.09 %	max relative diff <= 25%	Amber
Equity future delta approximation	FUT/EQU/SAP/202609	EQ full revaluation is close to delta-only approximation	max relative diff 4,701.97 %	max relative diff <= 25%	Amber

VaR / ES Models Portfolio

Common Model Validation Portfolio · 6 position(s)

Position	Instrument	Asset Class	Currency	Notional	Model	Datasets
MODEL-BOND-FIXED-001	BND/EUR/FIXED/5Y/MODEL	Rates	EUR	1,000,000	HISTSIM-ES-001	ScenarioPnlVector, ConfidenceLevel, TailSelection, DecayFactor
MODEL-BOND-ZERO-001	BND/EUR/ZERO/5Y/MODEL	Rates	EUR	1,000,000	HISTSIM-AGEWEIGHTED-VAR-001	ScenarioPnlVector, ConfidenceLevel, TailSelection, DecayFactor
MODEL-IRS-PAYER-001	IRS/EUR/PAYER/5Y/MODEL	Rates	EUR	1,000,000	HISTSIM-VAR-001	ScenarioPnlVector, ConfidenceLevel, TailSelection, DecayFactor
MODEL-EQOPT-CALL-ATM-001	EQU/OPT/SAP/CALL/ATM/MODEL	Equity	EUR	10,000	HISTSIM-ES-001	ScenarioPnlVector, ConfidenceLevel, TailSelection, DecayFactor
MODEL-CAP-3Y-ATM-001	CAP/EUR/3Y/ATM/MODEL	Rates	EUR	1,000,000	HISTSIM-AGEWEIGHTED-VAR-001	ScenarioPnlVector, ConfidenceLevel, TailSelection, DecayFactor
MODEL-FUT-EQU-SAP-SEP26-001	FUT/EQU/SAP/202609	Equity	EUR	100	HISTSIM-VAR-001	ScenarioPnlVector, ConfidenceLevel, TailSelection, DecayFactor

VaR / ES Models Applied DQ Checks

APPLIES

Yes

DQ profile availability

RULES

18

Published checks

PASSED

10

Ready checks

WARNINGS

0

Limited checks

FAILED

0

Critical checks

No DQ check publication is available for this model pack.

Rule	Name	Scope	Status	Limitation
VaR95.VarResultCompleteness	VarResultCompleteness	Prod Profile: VaR95 Model	Green	Production DQ strategy executed: 3 passed, 0 failed, 0 skipped.
VaR95.VarRiskVectorCoverage	VarRiskVectorCoverage	Prod Profile: VaR95 Model	Green	Production DQ strategy executed: 3 passed, 0 failed, 0 skipped.
VaR95.ScenarioCount	ScenarioCount	Prod Profile: VaR95 Model	Green	Production DQ strategy executed: 3 passed, 0 failed, 0 skipped.
VaR95.EqVector	EqVector	Prod Profile: VaR95 Model	Green	Production DQ strategy executed: 1 passed, 0 failed, 2 skipped.
VaR95.IrVector	IrVector	Prod Profile: VaR95 Model	Green	Production DQ strategy executed: 2 passed, 0 failed, 1 skipped.
VaR95.CmVector	CmVector	Prod Profile: VaR95 Model	NotApplicable	Production DQ strategy executed: 0 passed, 0 failed, 3 skipped.
VaR95.CsVector	CsVector	Prod Profile: VaR95 Model	NotApplicable	Production DQ strategy executed: 0 passed, 0 failed, 3 skipped.
VaR95.FxVector	FxVector	Prod Profile: VaR95 Model	NotApplicable	Production DQ strategy executed: 0 passed, 0 failed, 3 skipped.
VaR95.LimitResult	LimitResult	Prod Profile: VaR95 Model	NotApplicable	Production DQ strategy executed: 0 passed, 0 failed, 1 skipped.
Hybrid95.VarResultCompleteness	VarResultCompleteness	Prod Profile: Hybrid95 Model	Green	Production DQ strategy executed: 3 passed, 0 failed, 0 skipped.
Hybrid95.VarRiskVectorCoverage	VarRiskVectorCoverage	Prod Profile: Hybrid95 Model	Green	Production DQ strategy executed: 3 passed, 0 failed, 0 skipped.
Hybrid95.ScenarioCount	ScenarioCount	Prod Profile: Hybrid95 Model	Green	Production DQ strategy executed: 3 passed, 0 failed, 0 skipped.
Hybrid95.EqVector	EqVector	Prod Profile: Hybrid95 Model	Green	Production DQ strategy executed: 1 passed, 0 failed, 2 skipped.
Hybrid95.IrVector	IrVector	Prod Profile: Hybrid95 Model	Green	Production DQ strategy executed: 2 passed, 0 failed, 1 skipped.
Hybrid95.CmVector	CmVector	Prod Profile: Hybrid95 Model	NotApplicable	Production DQ strategy executed: 0 passed, 0 failed, 3 skipped.
Hybrid95.CsVector	CsVector	Prod Profile: Hybrid95 Model	NotApplicable	Production DQ strategy executed: 0 passed, 0 failed, 3 skipped.
Hybrid95.FxVector	FxVector	Prod Profile: Hybrid95 Model	NotApplicable	Production DQ strategy executed: 0 passed, 0 failed, 3 skipped.
Hybrid95.LimitResult	LimitResult	Prod Profile: Hybrid95 Model	NotApplicable	Production DQ strategy executed: 0 passed, 0 failed, 1 skipped.

VaR / ES Models Tests

TESTS

1

Published tests

PASSED

1

Successful tests

WARNINGS

0

Limited tests

FAILED

0

Critical tests

EVIDENCE TABLES

0

Attached samples

Test	Instrument	Expected	Actual	Tolerance	Status
Scenario vector completeness	Common model validation portfolio	Every sample position produces the same scenario vector length	bond=12, swap=12, option=12, future=12	all counts equal 12	Green

FRTB IMA Portfolio

Common Model Validation Portfolio · 6 position(s)

Position	Instrument	Asset Class	Currency	Notional	Model	Datasets
MODEL-BOND-FIXED-001	BND/EUR/FIXED/5Y/MODEL	Rates	EUR	1,000,000	FRTB-IMA-LHES-095	ScenarioPnlVector, SimulationPass, LiquidityHorizon, ConfidenceLevel
MODEL-BOND-ZERO-001	BND/EUR/ZERO/5Y/MODEL	Rates	EUR	1,000,000	FRTB-IMA-LHES-099	ScenarioPnlVector, SimulationPass, LiquidityHorizon, ConfidenceLevel
MODEL-IRS-PAYER-001	IRS/EUR/PAYER/5Y/MODEL	Rates	EUR	1,000,000	FRTB-IMA-LHES-095	ScenarioPnlVector, SimulationPass, LiquidityHorizon, ConfidenceLevel
MODEL-EQOPT-CALL-ATM-001	EQU/OPT/SAP/CALL/ATM/MODEL	Equity	EUR	10,000	FRTB-IMA-LHES-099	ScenarioPnlVector, SimulationPass, LiquidityHorizon, ConfidenceLevel
MODEL-CAP-3Y-ATM-001	CAP/EUR/3Y/ATM/MODEL	Rates	EUR	1,000,000	FRTB-IMA-LHES-095	ScenarioPnlVector, SimulationPass, LiquidityHorizon, ConfidenceLevel
MODEL-FUT-EQU-SAP-SEP26-001	FUT/EQU/SAP/202609	Equity	EUR	100	FRTB-IMA-LHES-099	ScenarioPnlVector, SimulationPass, LiquidityHorizon, ConfidenceLevel

FRTB IMA Applied DQ Checks

<p>APPLIES</p> <p>Yes</p> <p>DQ profile availability</p>	<p>RULES</p> <p>14</p> <p>Published checks</p>	<p>PASSED</p> <p>8</p> <p>Ready checks</p>
<p>WARNINGS</p> <p>0</p> <p>Limited checks</p>	<p>FAILED</p> <p>0</p> <p>Critical checks</p>	

No DQ check publication is available for this model pack.

Rule	Name	Scope	Status	Limitation
LHES99.LhesResultCompleteness	LhesResultCompleteness	Prod Profile: LHES99 Model	Green	Production DQ strategy executed: 3 passed, 0 failed, 0 skipped.
LHES99.LhesScenarioCount	LhesScenarioCount	Prod Profile: LHES99 Model	Green	Production DQ strategy executed: 3 passed, 0 failed, 0 skipped.
LHES99.LhesEqVector	LhesEqVector	Prod Profile: LHES99 Model	Green	Production DQ strategy executed: 1 passed, 0 failed, 2 skipped.
LHES99.LhesIrVector	LhesIrVector	Prod Profile: LHES99 Model	Green	Production DQ strategy executed: 2 passed, 0 failed, 1 skipped.
LHES99.LhesCmVector	LhesCmVector	Prod Profile: LHES99 Model	NotApplicable	Production DQ strategy executed: 0 passed, 0 failed, 3 skipped.
LHES99.LhesCsVector	LhesCsVector	Prod Profile: LHES99 Model	NotApplicable	Production DQ strategy executed: 0 passed, 0 failed, 3 skipped.
LHES99.LhesFxVector	LhesFxVector	Prod Profile: LHES99 Model	NotApplicable	Production DQ strategy executed: 0 passed, 0 failed, 3 skipped.
LHES95.LhesResultCompleteness	LhesResultCompleteness	Prod Profile: LHES95 Model	Green	Production DQ strategy executed: 3 passed, 0 failed, 0 skipped.
LHES95.LhesScenarioCount	LhesScenarioCount	Prod Profile: LHES95 Model	Green	Production DQ strategy executed: 3 passed, 0 failed, 0 skipped.
LHES95.LhesEqVector	LhesEqVector	Prod Profile: LHES95 Model	Green	Production DQ strategy executed: 1 passed, 0 failed, 2 skipped.
LHES95.LhesIrVector	LhesIrVector	Prod Profile: LHES95 Model	Green	Production DQ strategy executed: 2 passed, 0 failed, 1 skipped.
LHES95.LhesCmVector	LhesCmVector	Prod Profile: LHES95 Model	NotApplicable	Production DQ strategy executed: 0 passed, 0 failed, 3 skipped.
LHES95.LhesCsVector	LhesCsVector	Prod Profile: LHES95 Model	NotApplicable	Production DQ strategy executed: 0 passed, 0 failed, 3 skipped.
LHES95.LhesFxVector	LhesFxVector	Prod Profile: LHES95 Model	NotApplicable	Production DQ strategy executed: 0 passed, 0 failed, 3 skipped.

FRTB IMA Tests

TESTS

2

Published tests

PASSED

2

Successful tests

WARNINGS

0

Limited tests

FAILED

0

Critical tests

EVIDENCE TABLES

0

Attached samples

Test	Instrument	Expected	Actual	Tolerance	Status
LHES95 scenario vector completeness	Common model validation portfolio	Each sample position produces matching production scenario rows	bond=50, swap=50, option=50	all counts equal 50	Green
LHES99 scenario vector completeness	Common model validation portfolio	Each sample position produces matching production scenario rows	bond=50, swap=50, option=50	all counts equal 50	Green

FRTB SBA Portfolio

Common Model Validation Portfolio · 6 position(s)

Position	Instrument	Asset Class	Currency	Notional	Model	Datasets
MODEL-BOND-FIXED-001	BND/EUR/FIXED/5Y/MODEL	Rates	EUR	1,000,000	FRTB-SBM-CURVATURE-001	ProductionSensitivityFacts, ProductionCurvatureFacts, RiskWeights, Buckets
MODEL-BOND-ZERO-001	BND/EUR/ZERO/5Y/MODEL	Rates	EUR	1,000,000	FRTB-SBM-CURVATURE-001	ProductionSensitivityFacts, ProductionCurvatureFacts, RiskWeights, Buckets
MODEL-IRS-PAYER-001	IRS/EUR/PAYER/5Y/MODEL	Rates	EUR	1,000,000	FRTB-SBM-CURVATURE-001	ProductionSensitivityFacts, ProductionCurvatureFacts, RiskWeights, Buckets
MODEL-EQOPT-CALL-ATM-001	EQU/OPT/SAP/CALL/ATM/MODEL	Equity	EUR	10,000	FRTB-SBM-CURVATURE-001	ProductionSensitivityFacts, ProductionCurvatureFacts, RiskWeights, Buckets
MODEL-CAP-3Y-ATM-001	CAP/EUR/3Y/ATM/MODEL	Rates	EUR	1,000,000	FRTB-SBM-CURVATURE-001	ProductionSensitivityFacts, ProductionCurvatureFacts, RiskWeights, Buckets
MODEL-FUT-EQU-SAP-SEP26-001	FUT/EQU/SAP/202609	Equity	EUR	100	FRTB-SBM-CURVATURE-001	ProductionSensitivityFacts, ProductionCurvatureFacts, RiskWeights, Buckets

FRTB SBA Applied DQ Checks

APPLIES

Yes

DQ profile availability

RULES

11

Published checks

PASSED

8

Ready checks

WARNINGS

0

Limited checks

FAILED

1

Critical checks

No DQ check publication is available for this model pack.

Rule	Name	Scope	Status	Limitation
FrtbSba.SbmRiskClassPresent	SbmRiskClassPresent	Prod Profile: FrtbSba Model	Green	Production DQ strategy executed: 1 passed, 0 failed, 0 skipped.
FrtbSba.SbmSensitivityMeasurePresent	SbmSensitivityMeasurePresent	Prod Profile: FrtbSba Model	Green	Production DQ strategy executed: 1 passed, 0 failed, 0 skipped.
FrtbSba.SbmRiskFactorPresent	SbmRiskFactorPresent	Prod Profile: FrtbSba Model	Green	Production DQ strategy executed: 1 passed, 0 failed, 0 skipped.
FrtbSba.SbmBucketPresent	SbmBucketPresent	Prod Profile: FrtbSba Model	Green	Production DQ strategy executed: 1 passed, 0 failed, 0 skipped.
FrtbSba.SbmSensitivityValueFinite	SbmSensitivityValueFinite	Prod Profile: FrtbSba Model	Red	Production DQ strategy executed: 0 passed, 1 failed, 0 skipped.
FrtbSba.SbmCurrencyPresent	SbmCurrencyPresent	Prod Profile: FrtbSba Model	Green	Production DQ strategy executed: 1 passed, 0 failed, 0 skipped.
FrtbSba.SbmTenorPresent	SbmTenorPresent	Prod Profile: FrtbSba Model	Green	Production DQ strategy executed: 1 passed, 0 failed, 0 skipped.
FrtbSba.SbmRiskWeightPresent	SbmRiskWeightPresent	Prod Profile: FrtbSba Model	Green	Production DQ strategy executed: 1 passed, 0 failed, 0 skipped.
FrtbSba.SbmCorrelationConfigPresent	SbmCorrelationConfigPresent	Prod Profile: FrtbSba Model	Green	Production DQ strategy executed: 1 passed, 0 failed, 0 skipped.
FrtbSba.SbmAggregationCompleteness	SbmAggregationCompleteness	Prod Profile: FrtbSba Model	NotApplicable	Production DQ strategy executed: 0 passed, 0 failed, 1 skipped.
FrtbSba.SbmBenchmarkEvidencePresent	SbmBenchmarkEvidencePresent	Prod Profile: FrtbSba Model	NotApplicable	Production DQ strategy executed: 0 passed, 0 failed, 1 skipped.

FRTB SBA Tests

TESTS

14

Published tests

PASSED

14

Successful tests

WARNINGS

0

Limited tests

FAILED

0

Critical tests

EVIDENCE TABLES

0

Attached samples

Test	Instrument	Expected	Actual	Tolerance	Status
Curvature shock pair	BND/EUR/ZERO/5Y/MODEL	c _{up} ,c _{dw} , sensi != 0	c _{up} =-52197, c _{dw} =56052, sensi=-4497860	abs(c _{up})+abs(c _{dw}) > 0	Green
Curvature shock pair	CAP/EUR/3Y/ATM/MODEL	c _{up} ,c _{dw} , sensi != 0	c _{up} =12034, c _{dw} =-11241, sensi=969329	abs(c _{up})+abs(c _{dw}) > 0	Green
Curvature shock pair	EQU/OPT/SAP/CALL/ATM/MODEL	c _{up} ,c _{dw} , sensi != 0	c _{up} =106047, c _{dw} =-63874, sensi=886116	abs(c _{up})+abs(c _{dw}) > 0	Green
Curvature shock pair	EQU/OPT/SAP/CALL/ATM/MODEL	c _{up} ,c _{dw} , sensi != 0	c _{up} =5916, c _{dw} =-5779, sensi=486602	abs(c _{up})+abs(c _{dw}) > 0	Green
Curvature shock pair	FUT/EQU/SAP/202609	c _{up} ,c _{dw} , sensi != 0	c _{up} =1, c _{dw} =-1, sensi=102	abs(c _{up})+abs(c _{dw}) > 0	Green
Curvature shock pair	FUT/EQU/SAP/202609	c _{up} ,c _{dw} , sensi != 0	c _{up} =26, c _{dw} =-26, sensi=85	abs(c _{up})+abs(c _{dw}) > 0	Green
Curvature shock pair	IRS/EUR/PAYER/5Y/MODEL	c _{up} ,c _{dw} , sensi != 0	c _{up} =54979, c _{dw} =-58976, sensi=4735050	abs(c _{up})+abs(c _{dw}) > 0	Green
Curve vs Wgt Sensi	BND/EUR/ZERO/5Y/MODEL	c _{up} - sensi * rw ~ 0	c _{up} =-52197, sensi=-4497860, rw=0.012, result=1871	abs(result) <= 5220	Green
Curve vs Wgt Sensi	CAP/EUR/3Y/ATM/MODEL	c _{up} - sensi * rw bounded	c _{up} =12034, sensi=969329, rw=0.012, result=381	abs(result) <= 12034	Green
Curve vs Wgt Sensi	EQU/OPT/SAP/CALL/ATM/MODEL	c _{up} - sensi * rw bounded	c _{up} =5916, sensi=486602, rw=0.012, result=67	abs(result) <= 5916	Green
Curve vs Wgt Sensi	FUT/EQU/SAP/202609	c _{up} - sensi * rw ~ 0	c _{up} =1, sensi=102, rw=0.012, result=-0	abs(result) <= 0	Green
Curve vs Wgt Sensi	IRS/EUR/PAYER/5Y/MODEL	c _{up} - sensi * rw ~ 0	c _{up} =54979, sensi=4735050, rw=0.012, result=-1941	abs(result) <= 5498	Green
SBA sensitivity bucket	CAP/EUR/3Y/ATM/MODEL	bucket sensi <> 0	sensi=128	abs(sensi) > 0	Green
SBA sensitivity bucket	EQU/OPT/SAP/CALL/ATM/MODEL	bucket sensi <> 0	sensi=39	abs(sensi) > 0	Green

Volatility Models Portfolio

Common Model Validation Portfolio · 6 position(s)

Position	Instrument	Asset Class	Currency	Notional	Model	Datasets
MODEL-BOND-FIXED-001	BND/EUR/FIXED/5Y/MODEL	Rates	EUR	1,000,000	VOL-EQUITY-SURFACE-001	Spot, Strike, Expiry, InputVolatility
MODEL-BOND-ZERO-001	BND/EUR/ZERO/5Y/MODEL	Rates	EUR	1,000,000	VOL-IR-SURFACE-001	Spot, Strike, Expiry, InputVolatility
MODEL-IRS-PAYER-001	IRS/EUR/PAYER/5Y/MODEL	Rates	EUR	1,000,000	VOL-EQUITY-SURFACE-001	Spot, Strike, Expiry, InputVolatility
MODEL-EQOPT-CALL-ATM-001	EQU/OPT/SAP/CALL/ATM/MODEL	Equity	EUR	10,000	VOL-EQUITY-SURFACE-001	Spot, Strike, Expiry, InputVolatility
MODEL-CAP-3Y-ATM-001	CAP/EUR/3Y/ATM/MODEL	Rates	EUR	1,000,000	VOL-EQUITY-SURFACE-001	Spot, Strike, Expiry, InputVolatility
MODEL-FUT-EQU-SAP-SEP26-001	FUT/EQU/SAP/202609	Equity	EUR	100	VOL-EQUITY-SURFACE-001	Spot, Strike, Expiry, InputVolatility

Volatility Models Applied DQ Checks

APPLIES

No

DQ profile availability

RULES

1

Published checks

PASSED

0

Ready checks

WARNINGS

0

Limited checks

FAILED

0

Critical checks

No DQ check publication is available for this model pack.

Rule	Name	Scope	Status	Limitation
DQ-NOT-APPLICABLE	Data quality rule pack placeholder	Volatility surface models	NotApplicable	No dedicated DQ rule pack is currently applicable to this model pack.

Volatility Models Tests

TESTS

2

Published tests

PASSED

2

Successful tests

WARNINGS

0

Limited tests

FAILED

0

Critical tests

EVIDENCE TABLES

0

Attached samples

Test	Instrument	Expected	Actual	Tolerance	Status
Cap/floor volatility roundtrip	CAP/EUR/3Y/ATM/MODEL	Repriced premium matches original premium after implied-vol bootstrap	diff=0, iv=0.25	abs diff <= 0.01	Green
Equity option volatility roundtrip	EQU/OPT/SAP/CALL/ATM/MODEL	Repriced premium matches original premium after implied-vol bootstrap	diff=0, iv=0.2	abs diff <= 0.01	Green

Version History

Pack	Generated	Run ID	Mode	Environment	Commit	Version
Pricing / DCF	2026-06-07 06:26	a5c747a5f42a4b7da56bdea441ed2a49	inprocess-model-validation	local	d683ff1	validation-phase-1
Sensitivity Models	2026-06-07 06:26	a5c747a5f42a4b7da56bdea441ed2a49	inprocess-model-validation	local	d683ff1	validation-phase-1
VaR / ES Models	2026-06-07 06:26	a5c747a5f42a4b7da56bdea441ed2a49	inprocess-model-validation	local	d683ff1	validation-phase-1
FRTB IMA	2026-06-06 21:28	b6acdb996b734b6a8dc202158cc11d42	inprocess-model-validation	local	83169d3	validation-phase-1
Volatility Models	2026-06-07 06:26	a5c747a5f42a4b7da56bdea441ed2a49	inprocess-model-validation	local	d683ff1	validation-phase-1