

Credit Suisse Holdings (USA), Inc. 2019 Annual Dodd-Frank Act Stress Test Results

Supervisory Severely Adverse Scenario



June 21, 2019

CREDIT SUISSE 

Overview

As part of the Dodd-Frank Wall Street Reform and Consumer Protection Act (Dodd-Frank Act), the Board of Governors of the Federal Reserve System (Board) is required to conduct a supervisory stress test of bank holding companies (BHCs) with \$100 billion or greater in total consolidated assets. Credit Suisse has designated Credit Suisse Holdings (USA), Inc. (CSH USA) as its U.S. Intermediate Holding Company (IHC), and the IHC is subject to U.S. capital and liquidity requirements, capital planning and stress testing, risk management and other enhanced prudential standards on a consolidated basis.

On April 5, 2019, CSH USA delivered its Dodd-Frank Act Stress Test submission using a set of macroeconomic scenarios (supervisory baseline, supervisory adverse and supervisory severely adverse) developed by the Board.

- The planning horizon for the scenarios was a nine quarter forecast, utilizing a jump off point of December 31, 2018.
- The 2019 Dodd-Frank Act Stress Test submission marked the first year that CSH USA was subject to the Global Market Shock (GMS).

The results on pages 4-7 incorporate the following capital action assumptions:

- Actual capital actions for the first quarter of 2019
- Payment of common stock dividends equal to the quarterly average dollar amount of recurring common stock dividends that were paid in the second quarter of 2018 through and including the first quarter of 2019
- Payments on any other instrument that is eligible for inclusion in the numerator of a regulatory capital ratio equal to the stated dividend, interest, or principal due on such instrument

Credit Suisse Group AG (Credit Suisse) is a leading global financial services company that operates across a variety of geographical markets, including Europe, Middle East and Africa, the Americas and Asia Pacific. CSH USA, an indirect wholly owned subsidiary of Credit Suisse Group AG, is an integrated investment bank serving institutional, corporate, and government clients. CSH USA's products and services include securities underwriting, sales and trading, financial advisory services, derivatives and risk management products, asset management and investment research.

The DFAST projected results disclosed herein reflect a hypothetical economic scenario, as prescribed by the Board under the Supervisory Severely Adverse scenario.

Results



Company-Run Severely Adverse Scenario – CSH USA Results

- **CSH USA maintains capital levels and ratios above its post-stress capital goal and regulatory minima in the Company-Run Severely Adverse Scenario**, for all quarters across the planning horizon and all risk-based and leverage-based ratios
- Capital depletion primarily driven by pre-provision net revenue (PPNR) losses and the Global Market Shock

Regulatory Ratio	Actual Q4 2018	Projected Stressed Capital Ratios ¹		Regulatory Minimum
		Ending	Minimum	
Common Equity Tier 1 Capital Ratio	25.8%	16.0%	16.0%	4.5%
Tier 1 Risk-Based Capital Ratio	26.5%	16.8%	16.8%	6%
Total Risk-Based Capital Ratio	26.6%	16.9%	16.9%	8%
Tier 1 Leverage Ratio	12.9%	8.6%	8.6%	4%
Supplementary Leverage Ratio	11.3%	7.5%	7.5%	3%

Item	Actual Q4 2018 (\$BN)	Projected Q1 2021 (\$BN)
Risk-Weighted Assets ²	\$61.3	\$59.9

(1) The capital ratios are calculated using capital action assumptions as described on page 2. These projections represent hypothetical estimates that involve an economic outcome that is more adverse than expected. These estimates are not forecasts of expected losses, revenues, net income before taxes, or capital ratios. The minimum capital ratio presented is for the period 2019:Q1 to 2021:Q1.

(2) Risk-weighted assets are calculated under the Federal Reserve's Basel III standardized capital risk-based approach.

Company-Run Severely Adverse Scenario – CSH USA Income Statement and Loan Lease Losses

Item	Billions of Dollars	Percent of Average Assets ¹
Pre-Provision Net Revenue ²	(3.7)	-3.3%
Other Revenue ³	(1.0)	
<i>Less</i>		
Provisions	0.0	
Realized Losses/Gains on Securities (AFS / HTM)		
Trading and Counterparty Losses ⁴	2.3	
<i>equals</i>		
Net Income before Taxes	(7.0)	-6.2%
Memo Items		
Other Comprehensive Income ⁵	(0.1)	
<i>Other Effects on Capital</i>	Actual 4Q 2018	1Q 2021
AOCI Included in Capital (in Billion Dollars) ⁶	(0.1)	(0.2)
Loan Type	Billions of Dollars	Portfolio Loss Rates (Percent) ⁷
First-Lien Mortgages, Domestic	0.0	0.0%
Junior Liens and HELOCs, Domestic	0.0	0.0%
Commercial and Industrial	n/a	n/a
Commercial Real Estate, Domestic	0.0	0.0%
Credit Cards	n/a	n/a
Other Consumer	0.0	0.0%
Other Loans ⁸	0.0	0.3%
Total Projected Loan Losses	0.0	0.3%

(1) Average assets is the nine-quarter average of total assets.

(2) Pre-provision net revenue includes losses from operational-risk events, mortgage repurchase expenses, and other real estate owned (OREO) costs.

(3) Other revenue includes one-time income and (expense) items not included in pre-provision net revenue.

(4) Trading and counterparty losses include mark-to-market and credit valuation adjustment (CVA) losses and losses arising from the counterparty default scenario component applied to derivatives, securities lending, and repurchase agreement activities.

(5) Other comprehensive income is only calculated for advanced approaches firms.

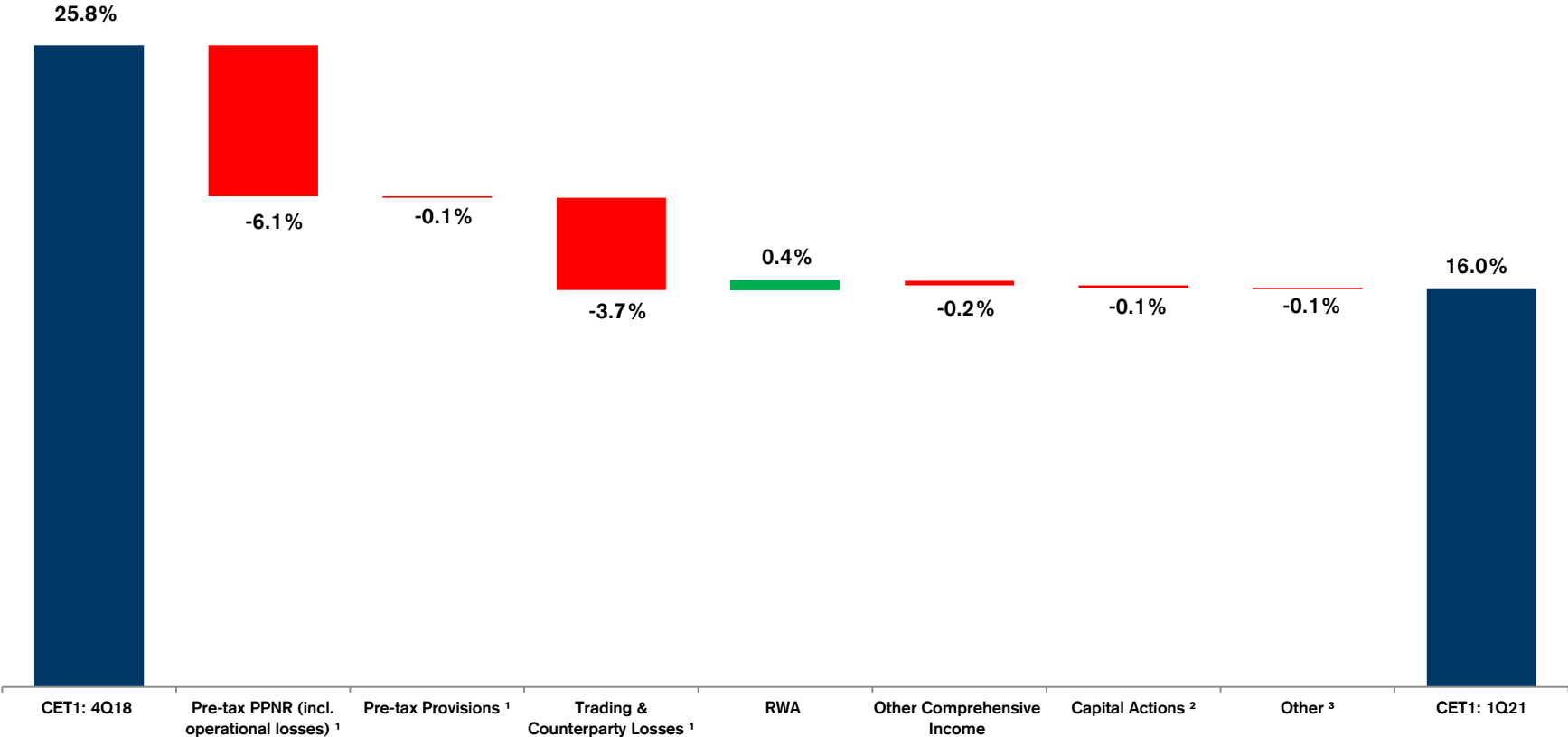
(6) Certain aspects of AOCI are subject to transition arrangements for inclusion in projected regulatory capital.

(7) Average loan balances used to calculate portfolio loss rates exclude loans held for sale and loans held for investment under the fair-value option, and are calculated over nine quarters.

(8) Other loans include loans to depositories and other financial institutions and loans for purchasing or carrying securities.

CSH USA Common Equity Tier 1 (CET1) Ratio Drivers

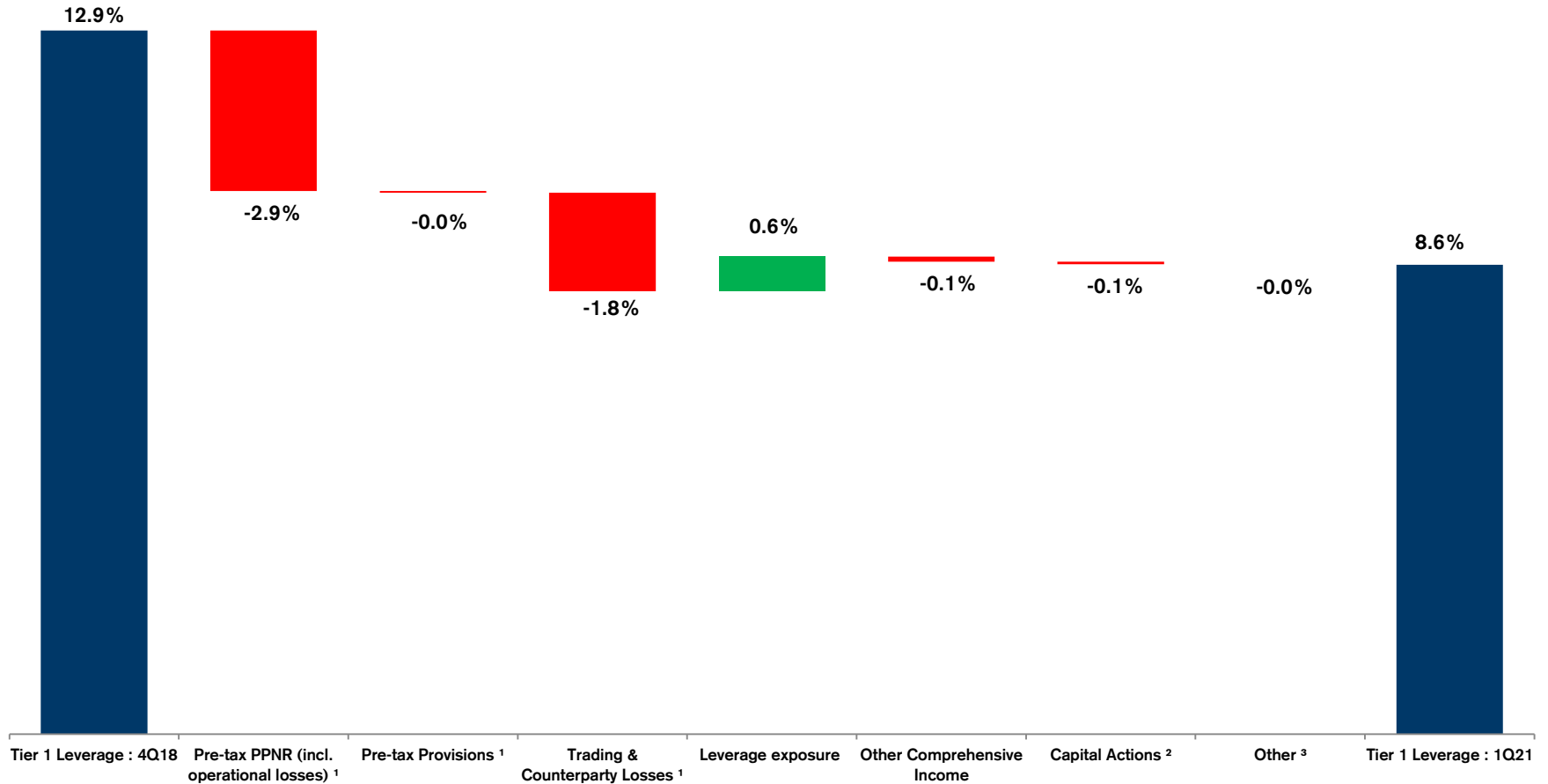
4Q18 – 1Q21; Company-Run Severely Adverse Scenario



(1) Reflects pre-tax impact
 (2) Reflects dividends only on preferred stock
 (3) Other includes the impact of income taxes

CSH USA Tier 1 Leverage Ratio Drivers

4Q18 – 1Q21; Company-Run Severely Adverse Scenario



(1) Reflects pre-tax impact

(2) Reflects dividends only on preferred stock

(3) Other includes the impact of income taxes

Risks and Projection Methodology



Company-Run Severely Adverse Scenario - Risks

To facilitate risk management within CSH USA, the Risk Organization classifies risk into classes. The following are the principal risk classes of CSH USA as of 4Q18:

Risk Type	Description
Market	<ul style="list-style-type: none">> The risk to earnings or capital due to adverse changes in market factors, including mortgage and credit spreads, equity, interest rates and other factors
Non Traded Market Risk & Funding Liquidity Risk	<ul style="list-style-type: none">> The risk to earnings, capital or the continuation of business arising from a company's inability to meet both expected and unexpected current and future cash flow and collateral requirements
Credit	<ul style="list-style-type: none">> The risk of financial loss if a customer or counterparty fails to meet a payment obligation to settle outstanding amounts under a contract
Model	<ul style="list-style-type: none">> The risk inherent in the use of financial models
Reputational	<ul style="list-style-type: none">> The risk that negative perception by our stakeholders may adversely impact client acquisition and damage our business relationships with clients and counterparties, affecting staff morale and reducing access to funding sources
Business	<ul style="list-style-type: none">> The risk that appropriate business strategy does not deliver on anticipated financial benefits
Capital	<ul style="list-style-type: none">> The risk associated with the potential inadequacy of capital
Operational Risk and Compliance	<ul style="list-style-type: none">> The risk of financial loss arising from inadequate or failed internal processes, people or systems, or from external events

Projection Methodology

The table below provides a high level description of the projection methodologies:

Projection	Description
Pre-Provision Net Revenue ("PPNR")	<ul style="list-style-type: none"> ➤ Revenue projections were performed at a granular line of business / revenue driver level using a set of models and management judgment methodologies linking the performance of the business to projected scenario variables. Expenses are modeled by starting with the budget projections and reflecting the impact of the scenario on expense components driven by transaction volume or profitability (e.g. brokerage fees and variable compensation).
Operational Risk	<ul style="list-style-type: none"> ➤ Operational Risk expense projection methodology consists of three components that take into account differences in loss characteristics of different types of loss events and relies on historical loss data and scenario analysis. <ul style="list-style-type: none"> ○ Run rate losses arise in the normal course of business and can be correlated with the macroeconomic or market environment ○ Legal losses cover the entire spectrum of legal risks including losses within risk appetite, uncertainty of current litigation, and large hypothetical legal losses ○ Forward looking large operational events ➤ The projection is extensively benchmarked against historical loss level, industry loss levels and alternative modeling outcomes.
Balance Sheet	<ul style="list-style-type: none"> ➤ Assets and liabilities are projected at line of business level and used as a driver of revenues where applicable. Trading inventory levels and securities lending balances reflect the evolution of asset prices throughout the projection horizon.
Risk-Weighted Assets	<ul style="list-style-type: none"> ➤ CSH USA's RWA forecast reflects the application of the Standardized Approach under U.S. Basel III for the Common Equity Tier 1, Tier 1 Capital and Total Capital Ratios. CSH USA's internal RWA forecasting models capture the impact of stress on exposures and risk weights as well as the impact of changes in asset balances produced by the balance sheet models.
Capital	<ul style="list-style-type: none"> ➤ Capital forecasts include the impact of all revenue and expense projections and the application of the regulatory capital rules and associated capital deductions (primarily related to goodwill and deferred tax assets) established under 12 CFR Part 217 (the U.S. Basel III rules).

Note: Projections are not reflective of any new accounting regulations effective January 1, 2019, unless such regulations had been adopted by December 31, 2018 for reporting purposes.

Disclaimer

This document contains forward-looking statements, including projections of financial results and conditions under a hypothetical scenario. The projections disclosed in this document should not be viewed or interpreted as forecasts of expected future economic financial conditions or results or capital adequacy, but rather reflect possible results under hypothetical adverse scenarios and other specific conditions required to be assumed by us for the purpose of Dodd-Frank Act stress testing as well as modeling assumptions necessary to project and assess the impact of the various adverse scenarios on CSH USA's capital position. A number of important factors could cause results to differ materially from the plans, objectives, expectations, estimates and intentions we express in these forward-looking statements, including those we identify in "Risk factors" in our Annual Report on Form 20-F for the fiscal year ended December 31, 2018 and in "Cautionary statement regarding forward-looking information" in our 1Q19 Financial Report, published on May 3, 2019 and filed with the US Securities and Exchange Commission, and in other public filings and press releases. We do not intend to update these forward-looking statements.

In particular, the terms "Estimate", "Illustrative", "Ambition", "Objective", "Outlook" and "Goal" are not intended to be viewed as targets or projections, nor are they considered to be Key Performance Indicators. All such estimates, illustrations, ambitions, objectives, outlooks and goals are subject to a large number of inherent risks, assumptions and uncertainties, many of which are completely outside of our control. These risks, assumptions and uncertainties include, but are not limited to, general market conditions, market volatility, interest rate volatility and levels, global and regional economic conditions, political uncertainty, changes in tax policies, regulatory changes, changes in levels of client activity as a result of any of the foregoing and other factors. Accordingly, this information should not be relied on for any purpose. We do not intend to update these estimates, illustrations, ambitions, objectives, outlooks or goals.

Annualized numbers do not take into account variations in operating results, seasonality and other factors and may not be indicative of actual, full-year results. Figures throughout this document may also be subject to rounding adjustments. All opinions and views constitute judgments as of the date of writing without regard to the date on which the reader may receive or access the information. This information is subject to change at any time without notice and we do not intend to update this information.

The outputs of the analyses and the discussion contained herein may not align with those produced by the Federal Reserve or other financial institutions conducting similar exercises, even if similar hypothetical stress scenarios were used, due to differences in methodologies and assumptions used to produce those outputs. In addition, the results contained herein may not be comparable to results of prior stress tests conducted by CSH USA, the Federal Reserve or other financial institutions due to the evolving regulatory framework, evolving macro-economic and market environment and other factors.