

A person with curly hair, wearing a dark blue winter jacket with a fur-lined hood, blue jeans, and black rubber boots, is riding a bicycle. A large, dark green Christmas tree is secured in a brown metal sidecar attached to the front of the bike. The scene is set in a snowy urban environment with a white building and a balcony in the background. The text "Individual Solvency Need" is overlaid in the upper right.

## Individual Solvency Need

Nordea Kredit Realkreditaktieselskab  
31 December 2018

Nordea



# 1 Introduction

This report presents the individual solvency need (tilstrækkelig basiskapital og solvensbehov for pengeinstitutter) for Nordea Kredit Realkreditaktieselskab (Nordea Kredit). This report fulfils external disclosure requirements regarding the solvency need according to EU regulation No 575/2013 of the European Parliament and of the Council of 26 June 2013 on prudential requirements for credit institutions and investment firms, and the Danish Financial Business Act (Lov om finansiel virksomhed jf. lovbekendtgørelse nr. 1140 af 26. September 2017) and Danish Executive Order no. 1353 (22 November 2016) "Bekendtgørelse om opgørelse af risikoeksponeringer, kapitalgrundlag og solvensbehov".

The individual solvency need is updated and published each quarter. Details about Nordea Kredit's risk profile and key exposures are available in the annually disclosed Capital and Risk Management (Pillar 3) report for Nordea Kredit, starting from 2016. Both reports are available on Nordea's Investor Relations website ([nordea.com/ir](http://nordea.com/ir)) and links can be found on Nordea Kredit's website. Reference to the individual solvency need reporting is made in the annual report and the interim report for Nordea Kredit. The Internal Capital Adequacy Assessment Process (ICAAP) report for Nordea Kredit is produced at least annually. The reports are approved by the Board of Directors and presented to the Danish Financial Supervisory Authority (DFSA).

All amounts are in DKK unless stated otherwise.

## 1.1 Main conclusions

### ISN ratio excluding combined buffers

**11.0%**

Decreased from 14.8% in Q3 2018

### Total capital ratio

**26.5%**

Decreased from 32.6% in Q3 2018

### Capital situation

Nordea Kredit is well-capitalised at end-Q4 2018 and has access to available capital from the parent company if necessary.

### Stress testing

Nordea Kredit conducts capital adequacy stress testing in collaboration with the Nordea Group to ensure that adequate capital is available in the event of, for instance, severe credit losses or changes in regulatory capital requirements. Stress testing is also made using DFSA scenarios and methods.

### Individual solvency need incl. combined buffers

**11.9bn**

Decreased from 12.4bn in Q3 2018

### Excess capital above individual solvency need incl. combined buffers

**10.5bn**

Increased from 10.2bn in Q3 2018

### Debt buffer

In addition to capital requirements Nordea Kredit has to meet a debt buffer requirement. The debt buffer is a way of implementing MREL in BRRD for mortgage institutions and is phased in, starting from 15 June 2016. As of 15 June 2018 the requirement is 1.6% of mortgage loans growing to 2.0% when fully implemented in 2020. The debt buffer requirement needs to be met by own funds instruments or unsecured senior debt not used to cover capital requirements.

## 2 Description of the individual solvency need

### Approach

Nordea Kredit uses a Pillar I plus Pillar II approach in calculating the individual solvency need. Each component and its capital requirement are shown graphically on page 3 in Figure 1, along with the Individual Solvency Need in Table 1, and the Own Funds and REA in Table 2.

This methodology uses the Pillar I capital requirements for credit risk, Credit Value Adjustment (CVA), market risk and operational risk as outlined in the Capital Requirements Regulation (CRR) as the starting point for its risk assessment. For each of these types, the risk is measured solely according to models and processes approved by the DFSA for use in the calculation of legal capital requirements.

### Pillar II add-ons

In addition, Pillar II risks, i.e. risks not included in the CRR or not adequately covered, are considered – specifically concentration risk, interest rate risk in the banking book, operational risk, and earnings risk (prev. business risk).

### Temporary Pillar II add-ons

From Q4 2018, the Pillar II add-ons reflecting the model deficiencies have been incorporated in the Pillar I capital requirements. Hence previous model related Pillar II add-ons are amounting for in Pillar I REA.

### Pillar II add-ons due to SREP

Finally, some Pillar II add-ons reflect the increased requirements in the SREP, which relate to maturity floor

adjustments as well as inadequate second line of defence and its involvement in the governance of the IRB system and modelling. Included in SREP is also an add-on for operational risk from inspections relating to IT and key processes.

### Management buffer

For Nordea Kredit the general management buffer is the difference between the measured Pillar I and Pillar II risks and the 11.0% individual solvency need.

A management buffer of 0.7% is included in Pillar II Other risks at end-Q4 2018. The DFSA benchmark model for earnings risk calculation results in no capital add-on at end-Q4 2018.

### Combined buffers

The combined buffers consist of the Capital Conservation buffer (1.88%), the SIFI buffer (1.20%) and the Counter-cyclical buffer (0.01%). The combined buffer requirements are not included in the ISN ratio set by the Nordea Kredit Board.

### Excess capital above requirements

At end-Q4 2018 the own funds held by Nordea Kredit resulted in a capital buffer above the individual solvency need including the combined buffer requirements of DKK 10.5bn in total. This is an increase in relation to Q3 2018. Disregarding the management buffer from the ISN, the capital excess would increase by DKK 567m.

### 3 Individual solvency need, own funds and REA

The components of the capital requirement are shown in figure 1. The individual solvency need, the own funds and the total risk exposure amounts for Nordea Kredit at end-Q4 2018 are presented in detail in tables 1 and 2 below.

Figure 1 Individual solvency need including combined buffers and actual capital for Nordea Kredit at end-Q4 2018

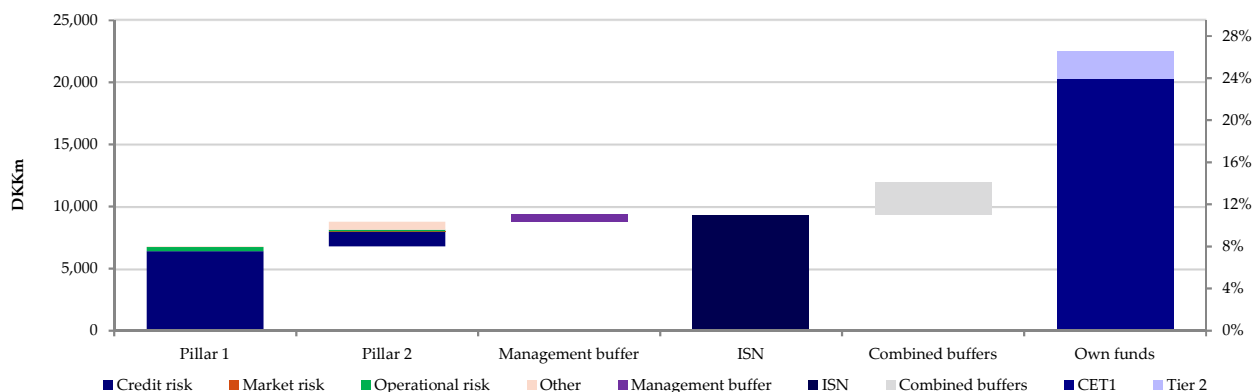


Table 1 Individual solvency need for Nordea Kredit at end-Q4 2018

DKKm / pct.	Solvency requirement			Pct. of REA
Pillar I				
Credit risk		6,402		7.5%
Market risk		0		0.0%
Operational risk		327		0.4%
Other		55		0.1%
Total Pillar I		6,785		8.0%
Pillar II				
Credit risk		1,191		1.4%
Market risk		7		0.0%
Operational risk		131		0.2%
Other		1,215		1.4%
- of which Management buffer		567		0.7%
Total Pillar II		2,544		3.0%
Individual solvency need		9,329		11.0%
Combined capital buffer requirements		2,615		3.1%
Individual solvency need + combined buffers		11,943		14.1%
Own funds		22,463		26.5%
Excess capital above individual solvency need + combined buffers		10,519		12.4%
Pillar II add-ons, not included or adequately covered in the CRR, consist of	Credit	Market	Operational	Other
Concentration risk	x			
IRR in the banking book		x		
Add-ons related to SREP	x		x	x

Table 2 Own funds excluding profit and total risk exposure amount for Nordea Kredit at end-Q4 2018

DKKm / pct.	DKKm	Pct. of REA
<b>Own funds (net after deductions)</b>		
Common Equity Tier 1 capital	20,263	23.9%
Tier 1 capital	20,263	23.9%
<b>Total own funds</b>	<b>22,463</b>	<b>26.5%</b>
<b>REA</b>		
Total Risk Exposure Amount	84,807	