

## Motivation

With current protocol implementation `keysOpIndex`

counter is not incremented when a deposit happens. Thus it's difficult to track used keys with off-chain monitoring services. We need an ad-hoc loop to manually refresh used keys which looks like a suboptimal workaround.

## Proposed solution

We propose to call `_increaseKeysOpIndex`

if the number of used keys has changed during the call of `assignNextSigningKeys`

in contract [NodeOperatorsRegistry](#).

Calling `assignNextSigningKeys`

method changes the “`usedSigningKeys`” properties of operators, which is responsible for the number of used and unsigned keys. Thus by explicitly calling `_increaseKeysOpIndex`

we can add an intrusive indicator for the off-chain listeners.

## Specification

Further details and code example are provided on the [LIP](#) GitHub repo.