

# Dynamic Incentive Accounts\*

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## Abstract

Contracts in a dynamic model must address a number of issues absent from static frameworks. Shocks to firm value may weaken the incentive effects of securities (e.g. cause options to fall out of the money), and the impact of some CEO actions may not be felt until far in the future. We derive the optimal contract in a setting where the CEO can affect firm value through both productive effort and costly manipulation, and may undo the contract by privately saving. The optimal contract takes a surprisingly simple form, and can be implemented by a “Dynamic Incentive Account.” The CEO’s expected pay is escrowed into an account, a fraction of which is invested in the firm’s stock and the remainder in cash. The account features state-dependent rebalancing and time-dependent vesting. It is constantly rebalanced so that the equity fraction remains above a certain threshold; this threshold sensitivity is typically increasing over time even in the absence of career concerns. The account vests gradually both during the CEO’s employment and after he quits, to deter short-termist actions before retirement.

KEYWORDS: Contract theory, executive compensation, incentives, principal-agent problem, manipulation, private saving, vesting.

JEL CLASSIFICATION: D2, D3, G34, J3

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