DFAS Doctrine: The Foundational Framework for Doctrinal Financial Science

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1 Genesis of DFAS: A New Era in Financial Science

1.1 The Context Behind the Breakthrough

The Dynamic Financial Applied Science (DFAS) doctrine emerged from a fundamental realization: the current state of financial modeling remains fragmented, backward-looking, and dominated by legacy frameworks. Despite incremental advancements in valuation, risk assessment, and liquidity analysis, no unified architecture has existed to consolidate, validate, and strategically govern these models under a single, coherent scientific discipline.

1.2 Why DFAS Was Necessary

Modern finance demands more than theory—it requires **doctrinal clarity**, **engine-driven simulations**, and **adaptive governance protocols**. Existing paradigms such as Basel Accords, IFRS frameworks, or traditional corporate finance models are not sufficient for volatile, ESG-sensitive, and macro-exposed financial environments. None of them offer a layered architecture integrating proprietary engines, machine learning, policy sensitivity, and author-classified governance structures.

This vacuum necessitated a new construct—*not a paper, not a model, but a full-fledged doctrine*. DFAS is that construct.

1.3 What Makes DFAS Historically Distinct

The DFAS doctrine is the first in history to:

- Integrate over **170 proprietary financial models** documented in **AFMF Volume I**, forming the foundation of a generative, scalable architecture capable of producing **unlimited interlinked models**
- Introduce model-generating engines (e.g., A-PCFF) classified by function, validation, and governance readiness
- Embed authorship enforcement via DFAS-FEP protocol and GitHub/Zenodo infrastructure

- Establish a living doctrinal framework authored by a single researcher—Hasan M. H. Alaali
- Align all models with strategic application domains: liquidity forecasting, volatility control, creditworthiness indexing, financial stability assessment, and ESG-adjusted cost dynamics

This is not an academic contribution. This is the birth of a **new scientific discipline**: *Doctrinal Financial Science (DFAS)*.

1.4 From Innovation to Institutionalization

What began as a model-building effort rapidly evolved into a full-spectrum transformation. The documentation protocols, validation layers, classification logic, and governance enforcement have elevated DFAS beyond theory into practice-ready deployment. With the Doctrine now live on Overleaf, GitHub, and Zenodo, DFAS becomes a timestamped, traceable, and irreversible intellectual milestone.

Note: The AFMF framework is not a static formula repository—it is an evolving system. Through DFAS engine architecture, new derivative models are generated dynamically in response to input sensitivities, macroeconomic fluctuations, and sectoral adjustments. Thus, the total number of doctrinal models will expand over time under this integrated structure.