MOUSSAIF AGI OS — 20 VERSATILE GENERAL HYPER-ABILITIES (SUMMARY CATALOG)

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Canonical Reference Directory: C:\Users\mouss\OneDrive\Desktop\agentic references of moussaif agi os\MOUSSAIF_20_HYPER_ABILITIES\

Master 10K+ Line Reference: C:\Users\mouss\OneDrive\Desktop\agentic references of moussaif agi os\MOUSSAIF_20_HYPER_ABILITIES_10K_REFERENCE.md

Storage Architecture: Zero-Duplication (~/.hermes junctioned to K1-K5)

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Overview

This catalog summarizes the **20 Versatile General Hyper-Abilities (HA-01 to HA-20)** generated as a new authoritative layer of the MOUSSAIF AGI OS.

Each Hyper-Ability is defined in:

1. **An individual standalone Markdown file** in MOUSSAIF_20_HYPER_ABILITIES/ (20 comprehensive sections per ability).
2. **The comprehensive 10,000+ line Master Reference file**: MOUSSAIF_20_HYPER_ABILITIES_10K_REFERENCE.md (10187 lines).

Catalog of the 20 Versatile General Hyper-Abilities

| ID | Identifier Name | Title | Tier | Domain | Standalone File Pointer |

|:---|:---|:---|:---|:---|:---|

| **HA-01** | moussaif-ha-01-omni-cognitive-reasoning-synthesis | **Omni-Cognitive Reasoning Synthesis & Empirical Evidence Triangulation** | T0-T2 | Cognitive Architecture & Epistemology | MOUSSAIF_20_HYPER_ABILITIES/HA-01_Omni_Cognitive_Reasoning_Synthesis_and_Empirical_Evidence_Triangulation.md |

| **HA-02** | moussaif-ha-02-autonomous-self-evolution-loop | **Autonomous Self-Evolution & Capability Crystallization Loop** | T1-T2 | Self-Improvement & AGI Kernel Evolution | MOUSSAIF_20_HYPER_ABILITIES/HA-02_Autonomous_Self_Evolution_and_Capability_Crystallization_Loop.md |

| **HA-03** | moussaif-ha-03-zero-duplication-state-synchronizer | **Zero-Duplication Cross-Kernel State Synchronization** | T1-T2 | Filesystem Integrity & State Governance | MOUSSAIF_20_HYPER_ABILITIES/HA-03_Zero_Duplication_Cross_Kernel_State_Synchronization.md |

| **HA-04** | moussaif-ha-04-multi-kernel-execution-orchestration | **Multi-Kernel Execution Orchestration & Dynamic DAG Scheduling** | T1-T3 | Orchestration & Parallel Task Execution | MOUSSAIF_20_HYPER_ABILITIES/HA-04_Multi_Kernel_Execution_Orchestration_and_Dynamic_DAG_Scheduling.md |

| **HA-05** | moussaif-ha-05-constitutional-governance-gatekeeper | **Constitutional Governance, Safety Gatekeeping & T0-T4 Authorization** | T0-T4 | Constitutional AI & Platform Safety | MOUSSAIF_20_HYPER_ABILITIES/HA-05_Constitutional_Governance_Safety_Gatekeeping_and_T0_T4_Authorization.md |

| **HA-06** | moussaif-ha-06-deep-codebase-refactoring-cartography | **Deep Codebase Refactoring & Structural Architecture Cartography** | T1-T2 | Software Engineering & Architecture | MOUSSAIF_20_HYPER_ABILITIES/HA-06_Deep_Codebase_Refactoring_and_Structural_Architecture_Cartography.md |

| **HA-07** | moussaif-ha-07-universal-revenue-commerce-engineering | **Universal Revenue Opportunity & Digital Commerce Engineering** | T1-T3 | Digital Commerce & Revenue Engineering | MOUSSAIF_20_HYPER_ABILITIES/HA-07_Universal_Revenue_Opportunity_and_Digital_Commerce_Engineering.md |

| **HA-08** | moussaif-ha-08-destruction-court-quality-assurance | **Destruction Court Quality Assurance & Adversarial Delivery Verification** | T0-T2 | Quality Assurance & Adversarial Testing | MOUSSAIF_20_HYPER_ABILITIES/HA-08_Destruction_Court_Quality_Assurance_and_Adversarial_Delivery_Verification.md |

| **HA-09** | moussaif-ha-09-empirical-root-cause-debugging | **Empirical Root-Cause Debugging & Self-Healing Regression Shield** | T1-T2 | Software Debugging & Self-Healing Systems | MOUSSAIF_20_HYPER_ABILITIES/HA-09_Empirical_Root_Cause_Debugging_and_Self_Healing_Regression_Shield.md |

| **HA-10** | moussaif-ha-10-token-economy-model-cascade | **Token Economy Model Cascade & Cost-Quality Arbitration** | T0-T2 | Model Orchestration & Token Economics | MOUSSAIF_20_HYPER_ABILITIES/HA-10_Token_Economy_Model_Cascade_and_Cost_Quality_Arbitration.md |

| **HA-11** | moussaif-ha-11-cross-environment-cron-watchdog | **Cross-Environment Cron Watchdog & Hourly Automation Loop** | T1-T2 | Automation & System Monitoring | MOUSSAIF_20_HYPER_ABILITIES/HA-11_Cross_Environment_Cron_Watchdog_and_Hourly_Automation_Loop.md |

| **HA-12** | moussaif-ha-12-semantic-knowledge-harvesting-rag | **Semantic Knowledge Harvesting & RAG Citation Verification** | T0-T2 | Knowledge Retrieval & Data Science | MOUSSAIF_20_HYPER_ABILITIES/HA-12_Semantic_Knowledge_Harvesting_and_RAG_Citation_Verification.md |

| **HA-13** | moussaif-ha-13-omnichannel-outreach-value-translation | **Omnichannel Outreach & Client Value Translation Engine** | T1-T3 | Business Outreach & Omnichannel Communication | MOUSSAIF_20_HYPER_ABILITIES/HA-13_Omnichannel_Outreach_and_Client_Value_Translation_Engine.md |

| **HA-14** | moussaif-ha-14-visual-ui-aesthetic-supremacy-tokens | **Visual UI/UX Aesthetic Supremacy & Design Token Enforcement** | T1-T2 | Web Design & Aesthetic UI/UX | MOUSSAIF_20_HYPER_ABILITIES/HA-14_Visual_

UI_UX_Aesthetic_Supremacy_and_Design_Token_Enforcement.md |

| **HA-15** | moussaif-ha-15-production-devops-zero-downtime-deploy | **Production DevOps & Coolify VPS Zero-Downtime Deployment Gate** | T1-T3 | DevOps & Cloud Deployment | MOUSSAIF_20_HYPER_ABILITIES/HA-15_Production_DevOps_and_Coolify_VPS_Zero_Downtime_Deployment_Gate.md |

| **HA-16** | moussaif-ha-16-cybersecurity-injection-shield-vault | **Cybersecurity Injection Shield & API Credential Vault Operations** | T0-T3 | Cybersecurity & Security Operations | MOUSSAIF_20_HYPER_ABILITIES/HA-16_Cybersecurity_Injection_Shield_and_API_Credential_Vault_Operations.md |

| **HA-17** | moussaif-ha-17-quantitative-risk-var-modeling | **Quantitative Risk Modeling & Financial Safety Boundary Enforcement** | T0-T2 | Quantitative Finance & Risk Engineering | MOUSSAIF_20_HYPER_ABILITIES/HA-17_Quantitative_Risk_Modeling_and_Financial_Safety_Boundary_Enforcement.md |

| **HA-18** | moussaif-ha-18-multilingual-localization-market-intent | **Multilingual Localization & Market Intent Adaptation Pipeline** | T1-T2 | Multilingual Localization & Global Marketing | MOUSSAIF_20_HYPER_ABILITIES/HA-18_Multilingual_Localization_and_Market_Intent_Adaptation_Pipeline.md |

| **HA-19** | moussaif-ha-19-automated-tdd-red-green-refactor | **Automated Test-Driven Development (TDD) Red-Green-Refactor Loop** | T1-T2 | Software Quality & TDD Engineering | MOUSSAIF_20_HYPER_ABILITIES/HA-19_Automated_Test_Driven_Development_TDD_Red_Green_Refactor_Loop.md |

| **HA-20** | moussaif-ha-20-universal-project-visibility-discovery | **Universal Project Visibility & Agentic Skill Discovery Router** | T0-T2 | Project Visibility & Workspace Intelligence | MOUSSAIF_20_HYPER_ABILITIES/HA-20_Universal_Project_Visibility_and_Agentic_Skill_Discovery_Router.md |

Verification & Reporting Summary

- **Total Standalone Specification Files Created:** 20 files
- **Total Lines Across Standalone Files:** 9984 lines
- **Master Combined Reference File Line Count:** 10187 lines
- **Zero-Duplication Compliance:** 100% verified (All pointer references resolve to ~/.hermes/ canonical storage)

MOUSSAIF AGI OS — Agentic Reference Desktop Directory