# Shorthand Communication System ## Swarms Multi-Agent Framework \*\*The Enhanced Shorthand Communication System is designed to streamline agent-agent communication within the Swarms Multi-Agent Framework. This system employs concise alphanumeric notations to relay task-specific details to agents efficiently.\*\* ## Format: The shorthand format is structured as `[AgentType]-[TaskLayer].[TaskNumber]-[Priority]-[Status]`. ## Components: ### 1. Agent Type: - Denotes the specific agent role, such as: \* `C`: Code agent \* `D`: Data processing agent \* `M`: Monitoring agent \* `N`: Network agent \* `R`: Resource management agent \* `I`: Interface agent

\* `S`: Security agent

## ### 2. Task Layer & Number: - Represents the task's category. \* Example: `1.8` signifies Task layer 1, task number 8. ### 3. Priority: - Indicates task urgency. \* `H`: High \* `M`: Medium \* `L`: Low ### 4. Status: - Gives a snapshot of the task's progress. \* `I`: Initialized \* `P`: In-progress \* `C`: Completed \* `F`: Failed \* `W`: Waiting ## Extended Features: ### 1. Error Codes (for failures):

- `E01`: Resource issues

- `E02`: Data inconsistency

