



Skypesoft Codex

Skypesoft™ Information Sheet

October 5, 2025, 8:51 AM MST – Created by Steve

Skypesoft Codex Meta

Description

The Codex Meta governs the format, validation, and enrichment logic for every Skypesoft module. It ensures consistency between how data is structured, interpreted, and visually rendered through the Skypesoft Report Kernel and Skybot AI.

Implementation Notes

The Codex Meta itself is parsed but excluded from standard report output. It is used to validate module structure, apply enrichment rules, and maintain interoperability between AI components.



Skypesoft Overview

Purpose

Defines the mission, structure, and interconnectivity of all Skypesoft modules. It presents the big picture: how Skypesoft unifies project management, AI reasoning, and operational data into one continuous system.

Architecture Layers

Layer	Modules	Purpose
Foundational	Time Interval Standards, Document Standards	Establish temporal and visual consistency
Operational	Attendance, Permit Management	Support daily workflows
Adaptive	AI Integration, SSE Stream	Provide real-time context and reasoning

System Vision

- Unify project and administrative data in a single schema
- Enable automation without loss of human oversight
- Make reports self-generating and audit-friendly
- Allow modular AI enrichment for context awareness



Skypesoft Codex

Skypesoft™ Information Sheet

October 5, 2025, 8:51 AM MST – Created by Steve

Skypesoft Constitution

Purpose

Defines the principles and logical framework that guide all Skypesoft operations. The Constitution ensures that time, structure, and intelligence are always aligned with Christy Signs' business goals.

Core Principles

- Transparency in logic and output
- Consistency in structure and formatting
- Scalability and modularity across components
- Resilience via validation and auditability

Governing Framework

Layer	Scope	Purpose
Foundation	TIS, Document Standards	Define time and design consistency
Core	Permit Management, Attendance	Ensure workflow alignment
Adaptive	AI and SSE Streams	Enable learning and context adaptation



Skypesoft Codex

Skypesoft™ Information Sheet

October 5, 2025, 8:51 AM MST – Created by Steve

Document Standards

Purpose

Defines the formatting, layout, and branding policies that govern all Skypesoft-generated documents including reports, sheets, and correspondence.

Features

- Uniform header/footer structure with metadata
- Automatic pagination and timestamp alignment
- Integrated iconography from iconMap.json
- Configurable spacing and typography standards



Skypesoft Codex

Skypesoft™ Information Sheet

October 5, 2025, 8:51 AM MST – Created by Steve

Time Interval Standards (TIS)

🎯 Purpose

Defines time segmentation for Skypesoft's scheduling and AI awareness system. Each day is categorized as Workday, Weekend, or Holiday; sub-intervals define Before, During, and After Work periods.

📊 Examples

Interval	Hours
Workday / Before Worktime	12:00 AM – 7:59 AM
Workday / Worktime	8:00 AM – 5:00 PM
Workday / After Worktime	5:01 PM – 11:59 PM



Skypesoft Codex

Skypesoft™ Information Sheet

October 5, 2025, 8:51 AM MST – Created by Steve

File Management



Purpose

Establishes unified file handling, naming conventions, and versioning logic for all Skypesoft data structures.



Rules

- Use consistent lowercase filenames with hyphens
- Store active data under /assets/data/
- Archive obsolete or legacy materials under /docs/legacy/
- Avoid redundancy between sheets and reports



Skypesoft Codex

Skypesoft™ Information Sheet

October 5, 2025, 8:51 AM MST – Created by Steve

Core Database Structure

Purpose

Defines how Skypesoft stores entities, locations, contacts, and relationships in JSON and database form.

Features

Entity	Description
companies	Corporate records (clients, vendors, jurisdictions)
contacts	Linked individuals associated with entities
locations	Physical or project addresses linked to entities
jobs	Active work orders and projects



Skypesoft Codex

Skypesoft™ Information Sheet

October 5, 2025, 8:51 AM MST – Created by Steve

Mobile First Modals

Purpose

Describes Skypesoft's modal-based interface logic, optimized for mobile and tablet screens. Enables quick contextual interactions without full-page reloads.

Features

- Dynamic modal injection with user prompts
- Keyboard-friendly entry for quick tasks
- Adaptive width scaling for mobile browsers



Skypesoft Codex

Skypesoft™ Information Sheet

October 5, 2025, 8:51 AM MST – Created by Steve

Attendance Suite

Purpose

Tracks employee attendance, scheduling, and time logs integrated with Time Interval Standards and Skyebot awareness.

Workflow

Step	Description
Clock In/Out	User action triggers TIS validation and record update
Review	Managers can review daily activity summaries
Sync	Data syncs automatically to skypesoft-data.json



Skypesoft Codex

Skypesoft™ Information Sheet

October 5, 2025, 8:51 AM MST – Created by Steve

Permit Management Suite

Purpose

Automates the sign permit application, payment, and tracking process across multiple jurisdictions.

Workflow

- Initiate permit request with job reference and client details
- Submit application through jurisdictional portal
- Track status, expiration, and fee receipts
- Auto-generate permit summary report with attached receipts



Skypesoft Codex

Skypesoft™ Information Sheet

October 5, 2025, 8:51 AM MST – Created by Steve

Financial Control Suite

Purpose

Handles internal reimbursements, petty cash tracking, and AR/AP reporting workflows.

Features

- Reimbursement reports auto-populate from receipt uploads
- Mileage, petty cash, and permit fee integration
- PDF export aligned with Document Standards



Skypesoft Codex

Skypesoft™ Information Sheet

October 5, 2025, 8:51 AM MST – Created by Steve

Service Management Suite

Purpose

Manages field service requests, maintenance calls, and status reporting for illuminated signage and installations.

Workflow

Step	Detail
Request Logged	Client or internal user submits a service ticket
Dispatch	Technician assigned and notified automatically
Completion	Work order updated and archived to project history



Skypesoft Codex

Skypesoft™ Information Sheet

October 5, 2025, 8:51 AM MST – Created by Steve

Management Escalation Trees

Purpose

Defines decision and communication chains within Skypesoft, ensuring accountability and continuity of response.

Rules

- Each suite must define its own escalation logic
- Escalations always follow the role hierarchy first
- Emergency overrides are logged and timestamped



Skypesoft Codex

Skypesoft™ Information Sheet

October 5, 2025, 8:51 AM MST – Created by Steve

Skyebot Module

Purpose

Serves as the conversational interface of Skypesoft, interpreting user queries and triggering backend logic, reports, or document creation.

Integrations

- OpenAI API (askOpenAI.php)
- Dynamic SSE Stream for context awareness
- Codex-driven intent recognition



Skypesoft Codex

Skypesoft™ Information Sheet

October 5, 2025, 8:51 AM MST – Created by Steve

AI Integration

Purpose

Defines how Skypesoft integrates external AI APIs to enhance context reasoning, enrichment, and decision automation.

Workflow

- Collect structured module context
- Assemble enrichment prompts with codex metadata
- Call OpenAI API for enhancement
- Render output dynamically via Report Kernel



Skypesoft Codex

Skypesoft™ Information Sheet

October 5, 2025, 8:51 AM MST – Created by Steve

SSE Stream

Purpose

Provides real-time state data including time, weather, and system status. Acts as the live operational pulse of the Skypesoft system.

Examples

Stream	Purpose
timeDateArray	Real-time work interval tracking
weatherData	Dynamic weather injection for context
siteMeta	Deployment and Netlify sync data



Skypesoft Codex

Skypesoft™ Information Sheet

October 5, 2025, 8:51 AM MST – Created by Steve

RAG Framework

Purpose

Defines Skypesoft's Retrieval-Augmented Generation layer, connecting Codex content, archived reports, and live data into a reasoning network.

Features

- Codex-aware retrieval queries
- Cross-reference between modules and SSE streams
- Context summarization for AI agents