Category

System Layer

Type

temporal-standard

Subtypes

```
[
    "schedule",
    "time-interval",
    "work-segment"
]
```

Actions

```
[
    "calculate",
    "evaluate",
    "generate-sheet"
]
```

Relationships

```
{
    "isA": "systemStandard",
    "partOf": "System Layer",
    "governs": [
        "attendanceSuite",
        "permitManagementSuite"
    ],
    "dependsOn": [
        "sseStream"
    ],
    "aliases": [
        "TIS",
        "Time Standards",
        "Workday Schema"
    ]
}
```

Enrichment

medium

Purpose

```
{
    "icon": "target",
    "format": "text",
    "text": "Defines workday types and time segments used across scheduling, SLA validation, a
nd AI contextual reasoning. Each day is classified as Workday, Weekend, or Holiday. Time inter
vals are further divided for Office and Shop environments."
}
```

DayTypes

```
{
    "icon": "calendar",
    "format": "list",
    "items": [
        "Workday",
        "Weekend",
        "Holiday"
    ]
}
```

SegmentsOffice

```
{
    "icon": "table",
    "format": "table",
    "items": [
        {
            "Interval": "Before Worktime",
            "Hours": "12:00 AM \u2013 7:29 AM"
        },
        {
            "Interval": "Worktime",
            "Hours": "7:30 AM \u2013 3:30 PM"
        },
        {
            "Interval": "After Worktime",
            "Hours": "3:31 PM \u2013 11:59 PM"
        }
    ]
}
```

SegmentsShop

```
{
    "icon": "table",
    "format": "table",
    "items": [
        {
            "Interval": "Before Worktime",
            "Hours": "12:00 AM \u2013 5:59 AM"
        },
        {
            "Interval": "Worktime",
            "Hours": "6:00 AM \u2013 2:00 PM"
        },
        {
```

```
            "Interval": "After Worktime",
            "Hours": "2:01 PM \u2013 11:59 PM"
        }
    ]
}
```

Holidays

```
{
    "icon": "calendar",
    "format": "dynamic",
    "source": "sseStream.weatherData.federalHolidaysDynamic",
    "description": "Holiday data is dynamically sourced from the SSE stream (via federalHolida
ys.php). Updates automatically reflect new or upcoming federal holidays.",
    "governs": [
        "companyHolidaysEngine",
        "getDynamicData",
        "holidayRecognition"
    ]
}
```

Exclusions

```
{
    "icon": "shield",
    "format": "text",
    "text": "Weekends and recognized Company Holidays are automatically excluded from all time
-sensitive calculations and scheduling routines. Federal holidays are excluded only when they
coincide with official company closures as defined in the holidayRegistry."
}
```

HolidayRegistry

```
{
    "icon": "calendar",
    "format": "table",
    "description": "Unified registry of holidays recognized by Skyesoft, including federal, co
mpany, cultural, awareness, and novelty observances. Used by the Time Interval Standards to id
entify non-working or special-context days.",
    "source": "Codex internal list (static registry; supersedes federalHolidays.php)",
    "revision": {
        "version": "1.1",
        "lastUpdated": "2025-10-28",
        "author": "System Codex Enrichment",
        "notes": "Upgraded to multi-
category holiday model; holidays may belong to several observance groups."
    },
    "categories": {
        "federal": {
            "description": "Official U.S. government holidays that may influence permit office
s, shipping, and municipal operations.",
            "workdayImpact": "high",
            "excludeFromScheduling": true
        },
        "company": {
            "description": "Days when Christy Signs offices are closed or operating on limited
```

```
 hours.",
            "workdayImpact": "critical",
            "excludeFromScheduling": true
        },
        "cultural": {
            "description": "Widespread cultural observances that may affect communications, ma
rketing tone, or social relevance but do not close operations.",
            "workdayImpact": "moderate",
            "excludeFromScheduling": false
        },
        "awareness": {
            "description": "Global or national awareness days recognized in reporting or AI co
ntextual reasoning (e.g., Earth Day).",
            "workdayImpact": "low",
            "excludeFromScheduling": false
        },
        "novelty": {
            "description": "Light-hearted or social media observances used for engagement or c
ontextual commentary (e.g., National Donut Day).",
            "workdayImpact": "minimal",
            "excludeFromScheduling": false
        },
        "notes": "A holiday may list multiple categories; logic interprets inclusion by inters
ection."
    },
    "holidays": [
        {
            "name": "New Year's Day",
            "rule": "Jan 1",
            "categories": [
                "federal",
                "company"
            ]
        },
        {
            "name": "Martin Luther King Jr. Day",
            "rule": "Third Monday of Jan",
            "categories": [
                "federal"
            ]
        },
        {
            "name": "Presidents' Day",
            "rule": "Third Monday of Feb",
            "categories": [
                "federal"
            ]
        },
        {
            "name": "Memorial Day",
            "rule": "Last Monday of May",
            "categories": [
                "federal",
                "company"
            ]
        },
        {
            "name": "Juneteenth",
            "rule": "Jun 19",
            "categories": [
```

```json
                "federal"
        ]
    },
    {
        "name": "Independence Day",
        "rule": "Jul 4",
        "categories": [
            "federal",
            "company"
        ]
    },
    {
        "name": "Labor Day",
        "rule": "First Monday of Sep",
        "categories": [
            "federal",
            "company"
        ]
    },
    {
        "name": "Veterans Day",
        "rule": "Nov 11",
        "categories": [
            "federal"
        ]
    },
    {
        "name": "Thanksgiving Day",
        "rule": "Fourth Thursday of Nov",
        "categories": [
            "federal",
            "company"
        ]
    },
    {
        "name": "Day After Thanksgiving",
        "rule": "Fourth Friday of Nov",
        "categories": [
            "company"
        ]
    },
    {
        "name": "Christmas Eve",
        "rule": "Dec 24",
        "categories": [
            "cultural"
        ]
    },
    {
        "name": "Christmas Day",
        "rule": "Dec 25",
        "categories": [
            "federal",
            "company"
        ]
    },
    {
        "name": "New Year's Eve",
        "rule": "Dec 31",
        "categories": [
```

```
            "cultural"
        ]
    },
    {
        "name": "Cinco de Mayo",
        "rule": "May 5",
        "categories": [
            "cultural"
        ]
    },
    {
        "name": "Mother's Day",
        "rule": "Second Sunday of May",
        "categories": [
            "cultural"
        ]
    },
    {
        "name": "Father's Day",
        "rule": "Third Sunday of June",
        "categories": [
            "cultural"
        ]
    },
    {
        "name": "Halloween",
        "rule": "Oct 31",
        "categories": [
            "cultural"
        ]
    },
    {
        "name": "Earth Day",
        "rule": "Apr 22",
        "categories": [
            "awareness"
        ]
    },
    {
        "name": "Patriot Day",
        "rule": "Sep 11",
        "categories": [
            "awareness"
        ]
    },
    {
        "name": "Pi Day",
        "rule": "Mar 14",
        "categories": [
            "novelty"
        ]
    },
    {
        "name": "Star Wars Day",
        "rule": "May 4",
        "categories": [
            "novelty"
        ]
    },
    {
```

```
            "name": "National Donut Day",
            "rule": "First Friday of Jun",
            "categories": [
                "novelty"
            ]
        },
        {
            "name": "Talk Like a Pirate Day",
            "rule": "Sep 19",
            "categories": [
                "novelty"
            ]
        },
        {
            "name": "National Coffee Day",
            "rule": "Sep 29",
            "categories": [
                "novelty"
            ]
        }
    ]
}
```

HolidayFallbackRules

```
{
    "icon": "gear",
    "format": "object",
    "description": "Resolves temporal gaps after the last holiday of a calendar year or before
 the first holiday of a new year.",
    "data": {
        "after_last_holiday": {
            "strategy": "next_year_rollover",
            "fallback_method": "lookup_first_holiday_next_year",
            "reasoning": "When no upcoming holiday exists in the current year, Skyebot automat
ically fetches the first recognized holiday from the next year using Codex holidayRegistry."
        },
        "before_first_holiday": {
            "strategy": "previous_year_anchor",
            "fallback_method": "lookup_last_holiday_prev_year",
            "reasoning": "When reasoning backward before the first holiday of a year, Skyebot
anchors to the prior year's final recognized holiday."
        }
    }
}
```