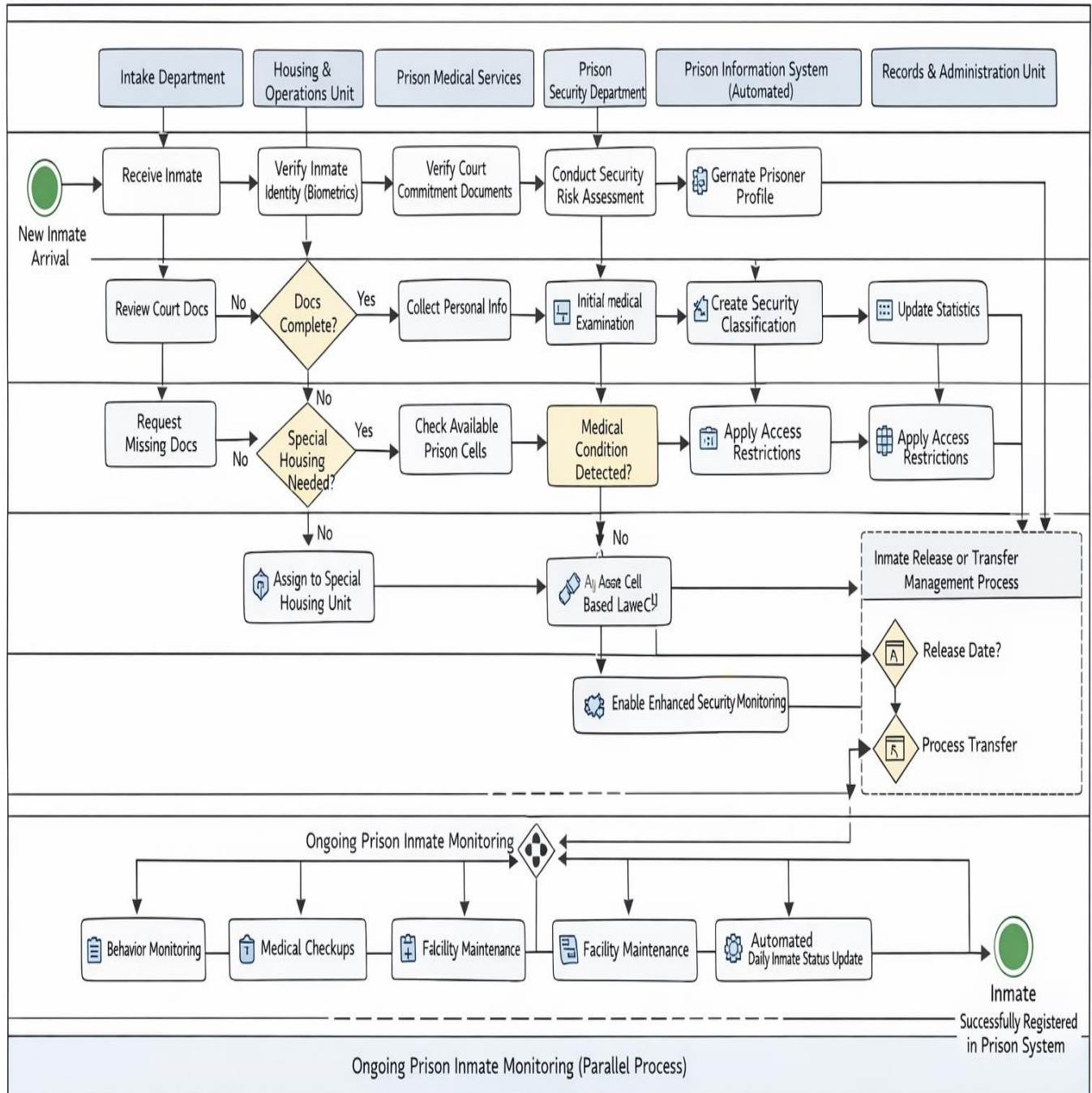


## PHASE II: Business Process Modeling - Prison Management System

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### Prison Management System – Inmate Registration & Management BPMN



## 1. System Overview

The **Prison Management System (PMS)** is a Management Information System designed to manage inmate intake, classification, housing, medical assessment, security monitoring, and release or transfer. The BPMN diagram represents the complete workflow from **new inmate arrival** to **successful registration and continuous monitoring**, ensuring efficiency, security, and regulatory compliance.

## 2. Main Components

The BPMN model is organized into one pool (**Prison Management System**) with the following lanes:

- **Intake Department:** Receives inmates, verifies identity, and validates court documents.
- **Housing & Operations Unit:** Assigns cells and special housing based on risk level.
- **Prison Medical Services:** Conducts medical examinations and records health data.
- **Prison Security Department:** Performs risk assessment and applies security controls.
- **Prison Information System (Automated):** Generates inmate profiles, updates statistics, and sends notifications.
- **Records & Administration Unit:** Validates records, maintains audit trails, and issues permanent IDs.

The model uses **start/end events**, **tasks**, **decision gateways**, and **parallel processes** for daily monitoring.

## 3. MIS Functions

The system supports key MIS functions including:

- **Data collection and processing** during inmate intake.
- **Centralized data storage** for medical, security, and legal records.
- **Decision support** through risk and medical assessments.
- **Automation** of reports, notifications, and statistics.
- **Control and compliance** through audit trails and data validation.

## 4. Organizational Impact

The PMS improves organizational efficiency by reducing manual work, enhancing inter-department coordination, improving inmate safety, ensuring accurate record management, and supporting timely decisions for housing, monitoring, release, and transfer.

## 5. Analytics Opportunities

The system enables analytics such as inmate population trends, security risk analysis, medical condition tracking, operational performance measurement, and data-driven planning for prison resources and policies.

### Conclusion:

The Prison Management System BPMN model provides a structured, automated, and efficient approach to inmate management while supporting decision-making, accountability, and strategic planning.