

# Using Strategic Business Process Architecture Models to Create a Process Architecture Reference for the Healthcare Industry

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**Overview:** Applying Enterprise Architecture fundamentals to the healthcare industry can create a process architecture reference model in order to aid in the industry’s process management and improvement efforts.

## Introduction

- Enterprise Architecture (EA) provides a broad overview of all the essential components/functions of a business
- This project applies EA fundamentals to create a standard process architecture reference model for the healthcare industry
- The goals of the final model are to increase departmental efficiency, decrease error, and to eliminate waste

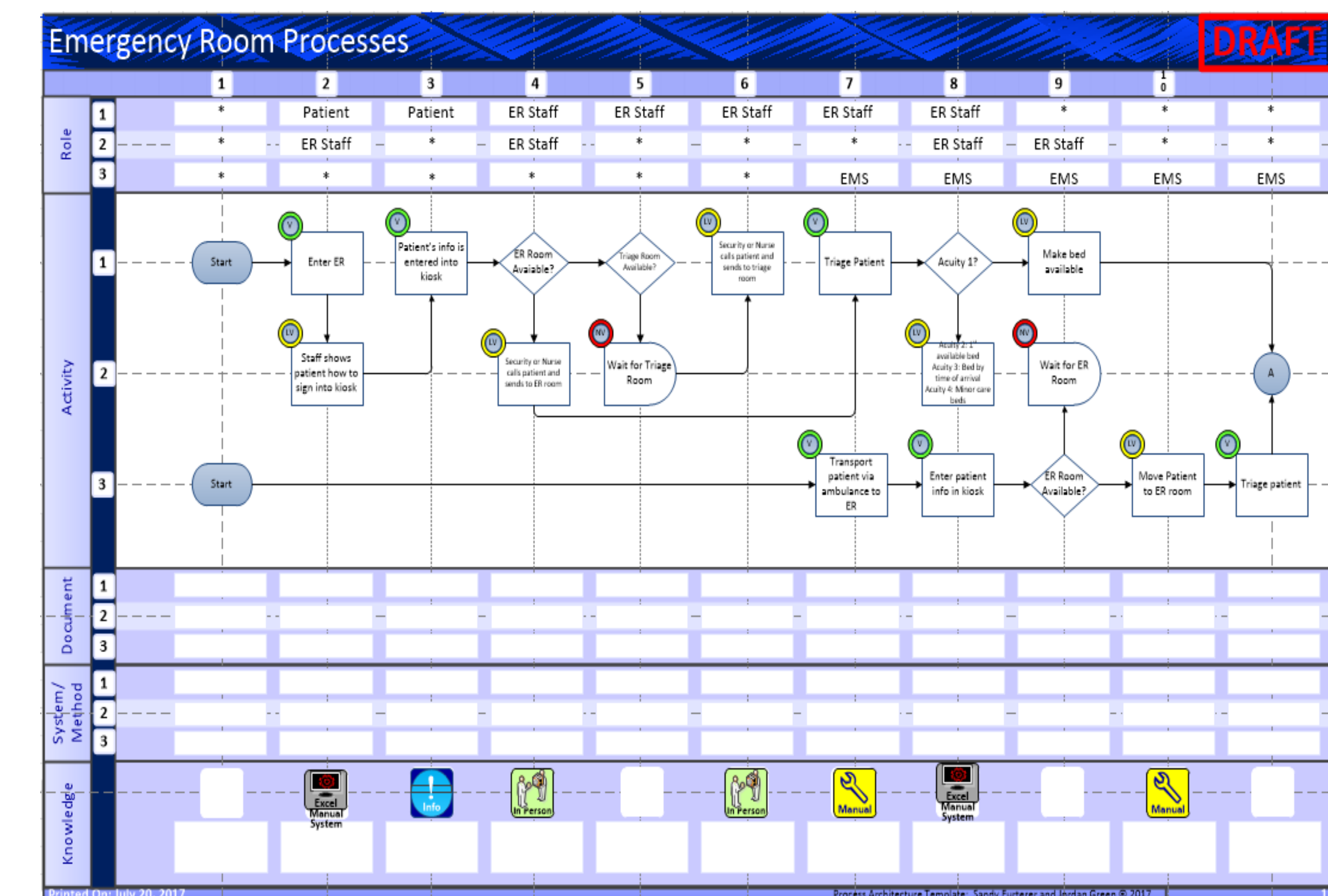
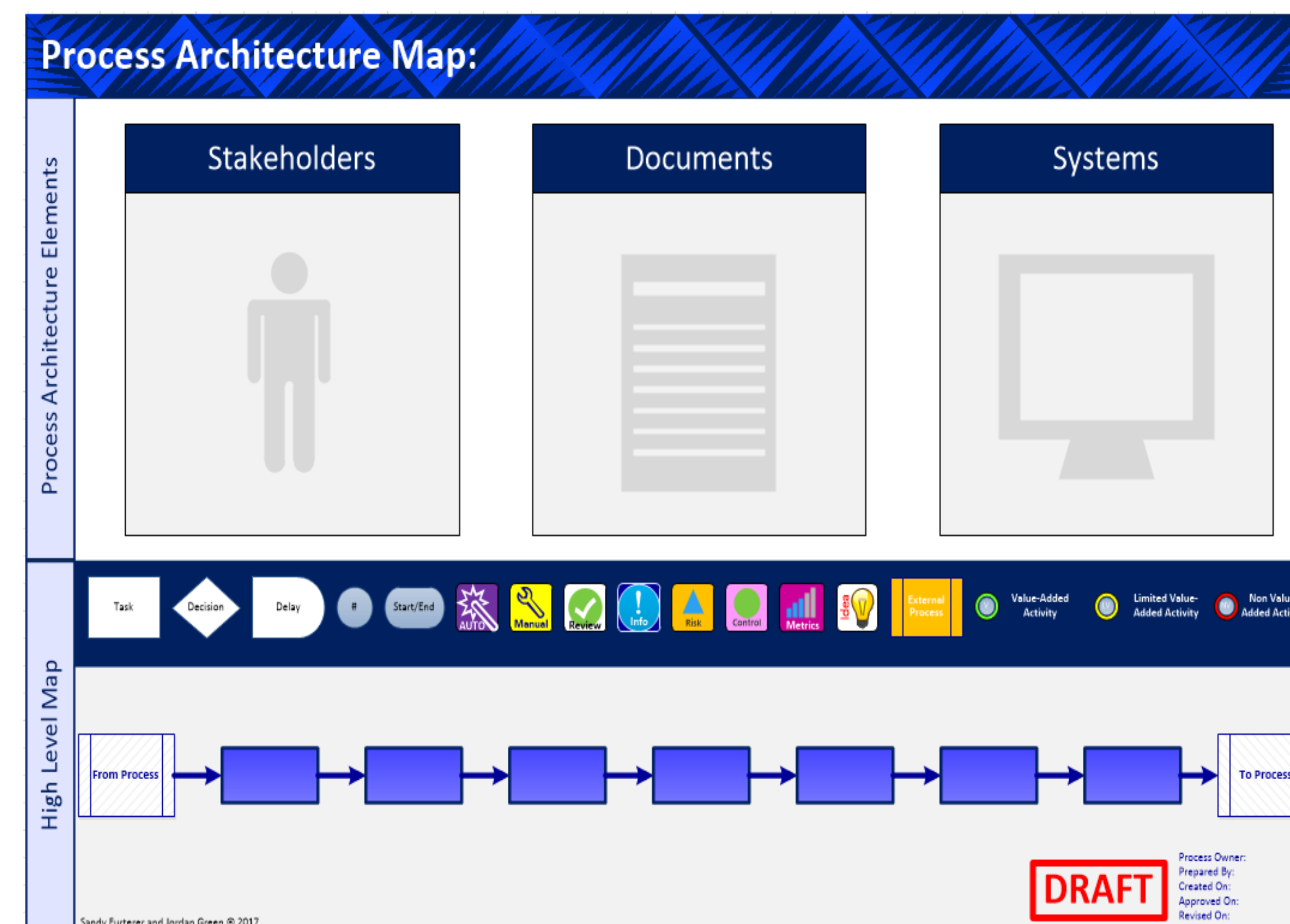
## Methodology

- Research of modern architectures in order to modify the existing process architecture model prototype
- Creation of an industry “standard” through the study of:
  - Existing process maps
  - Hospital observations

## Focal Processes

- STAT Lab Tests
- Emergency Room
- Operating Room
- Linen
- Pre-Operation
- Lab Processes

## Design



Process Architecture Template developed by: Sandy Furterer and Jordan Green © 2017

## Implementation

- Possible future addition of a section dedicated to outputs/outcomes of processes
- These models are based off of observations from 3 hospitals, and therefore must be adjusted appropriately before use
- The intended use for the models are as a starting point for lean six sigma projects, and not as a solution in themselves

## Key Features

- Each processes’ cover sheet outlines the process stakeholders, documents, and systems
- Subsequent sheets contain roles, knowledge, system/method, and documents with specific correlation to a process map

## Acknowledgements

- Katherine Groot & Nationwide Children’s
- Melinda Corcoran & Cincinnati Children’s
- University of Dayton S.U.R.E Program