



# Northeastern University

## College of Engineering

### PROJECT PRESENTATION INFORMATION SYSTEMS FALL 2016

TITLE: DRUG DEVELOPMENT AND ANALYSIS SYSTEM

#### Team Information

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# Problem Statement

The purpose of the project is to provide a comprehensive and complex in working and simple to understand application for the internationally renowned pharmaceutical giant Biogen. The application will deal with the organization's activities and will have an illustrated working structure of next gen drug manufacturing system based on the patient's genomes and the analysis based on marketing and distribution of these drugs through a third party vendor.

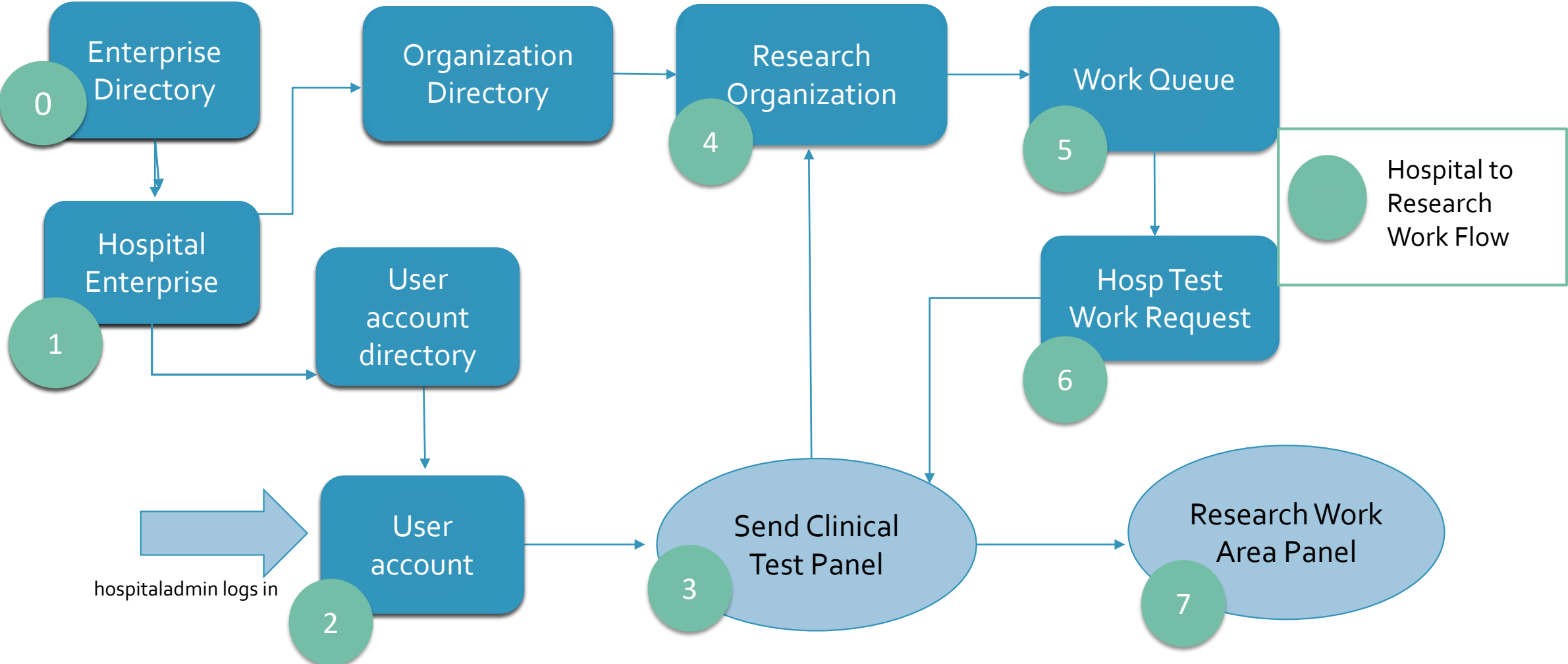
# Approach

## Entities Present :

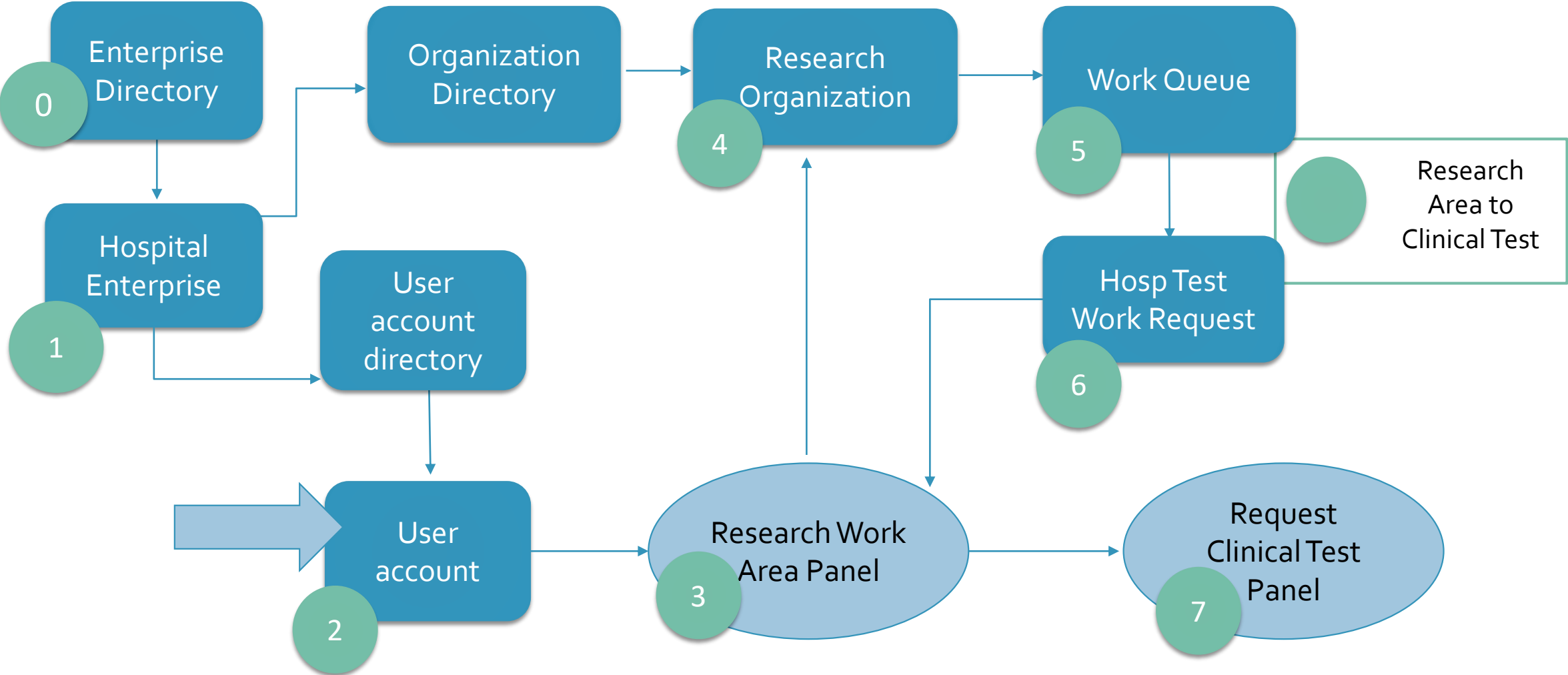
- **Ecosystem** – Biogen
- **Network** – Boston
- **Enterprise** – Ranbaxy, Boston Medical Hospital, UPS
- **Organization** – R&D, Clinical Testing, Manufacturing, Analysis, Logistics, Logistics  
Analysis, Hospital Organization



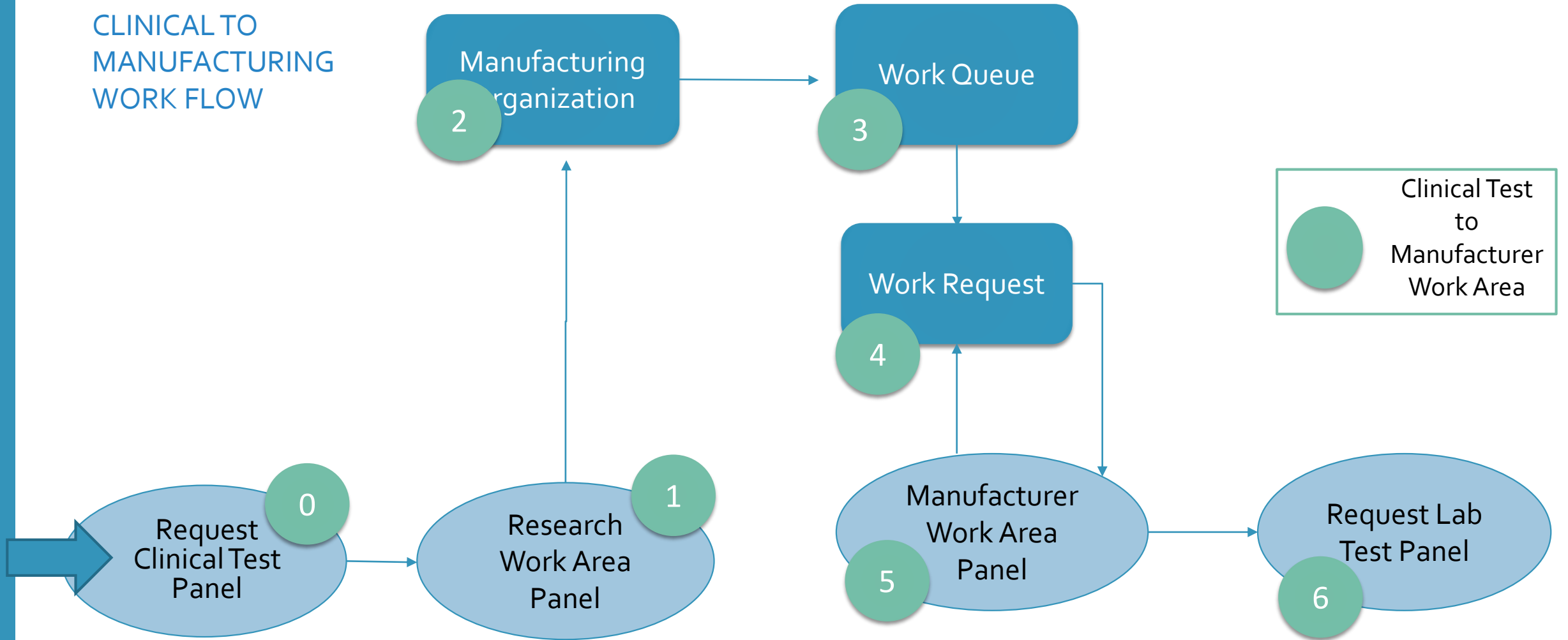
# HOSPITAL TO RESEARCH WORK FLOW



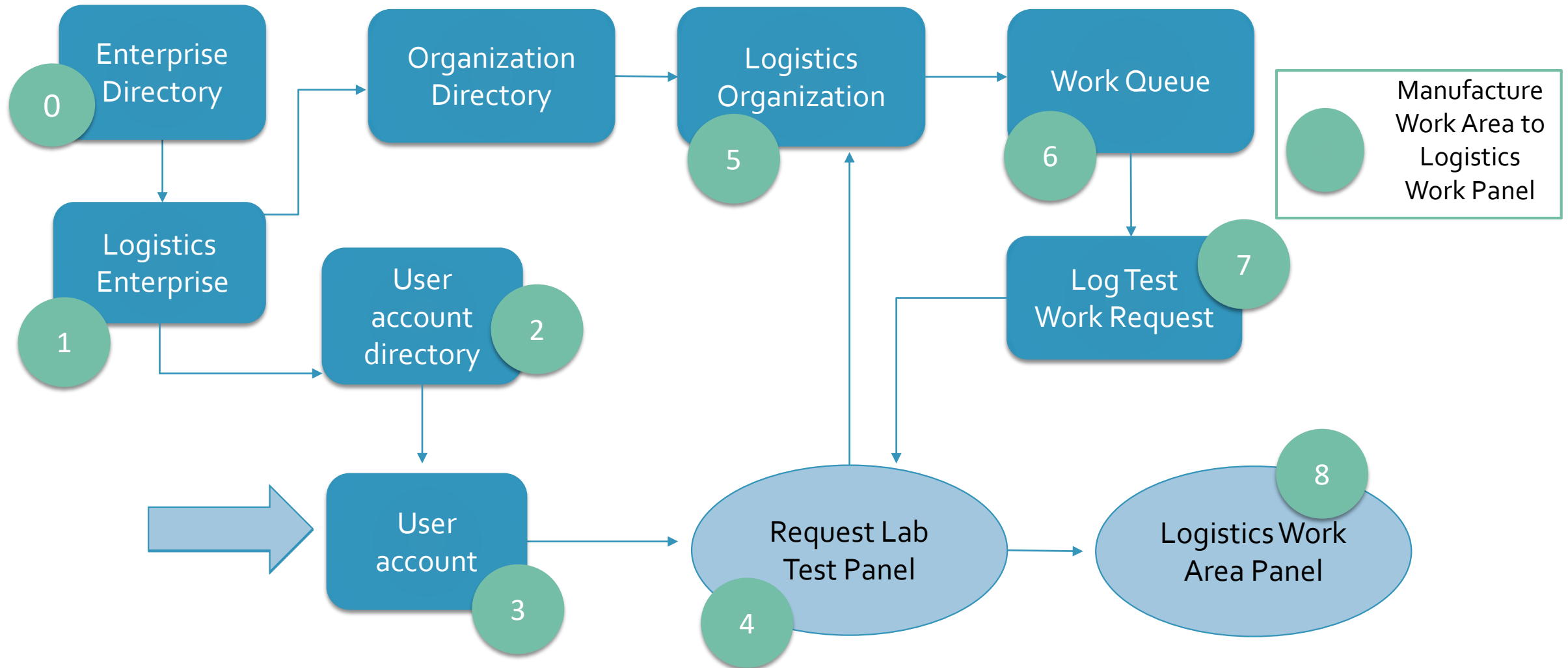
RESEARCH TO CLINICAL TEST WORK FLOW



# CLINICAL TO MANUFACTURING WORK FLOW

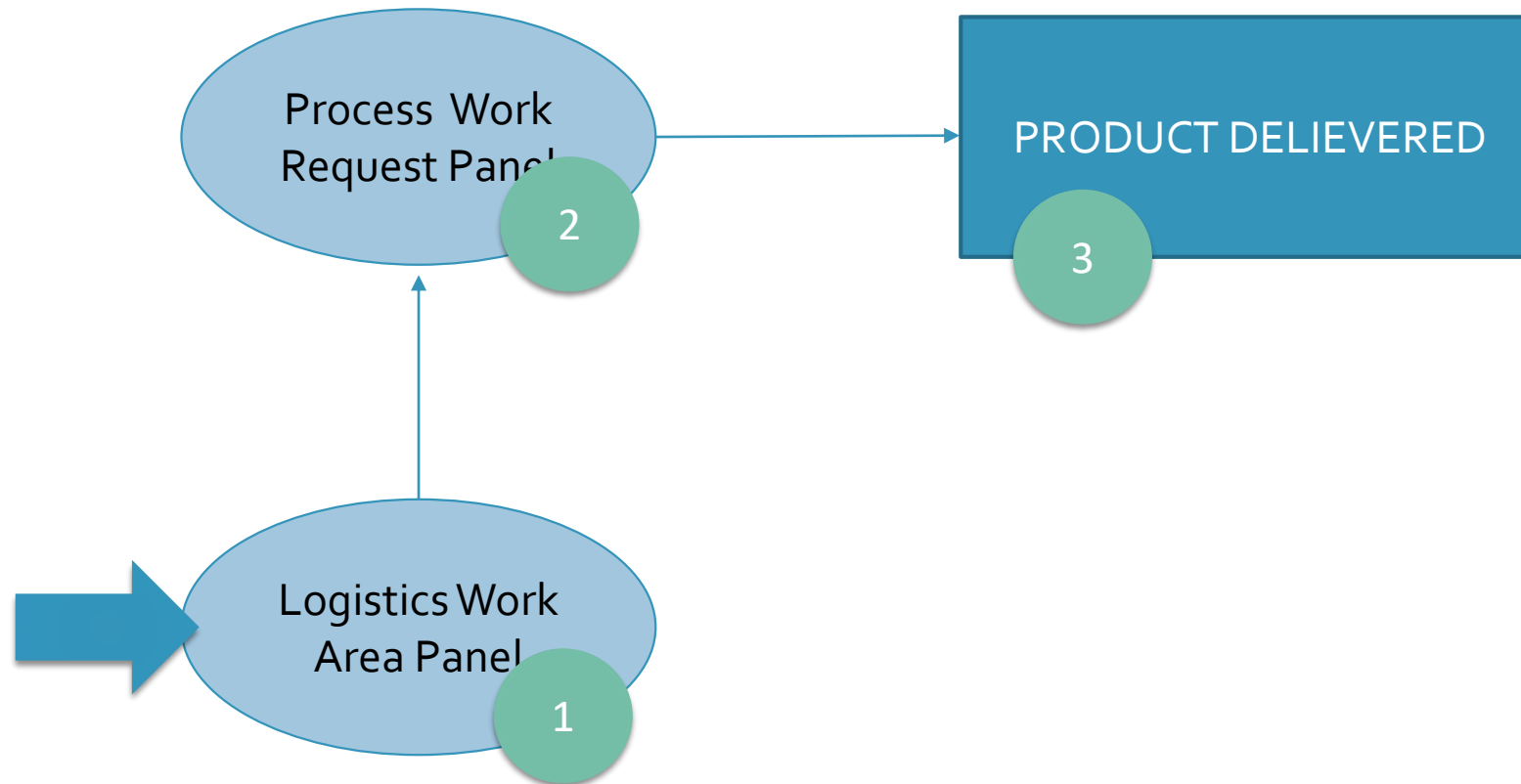


## MANUFACTURING TO LOGISTICS WORK FLOW

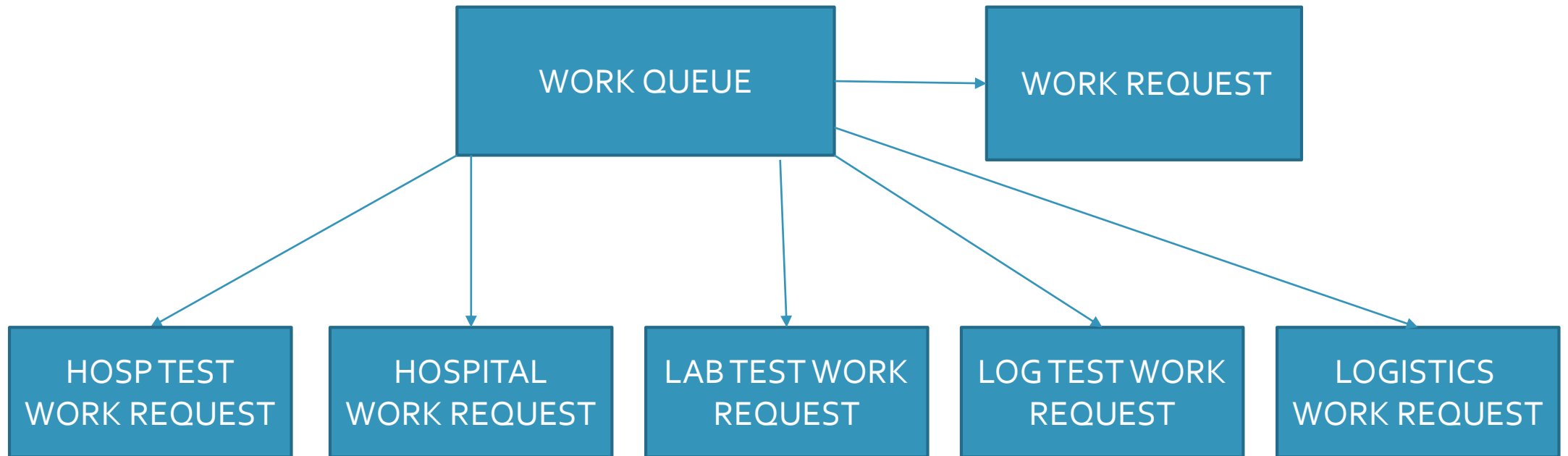




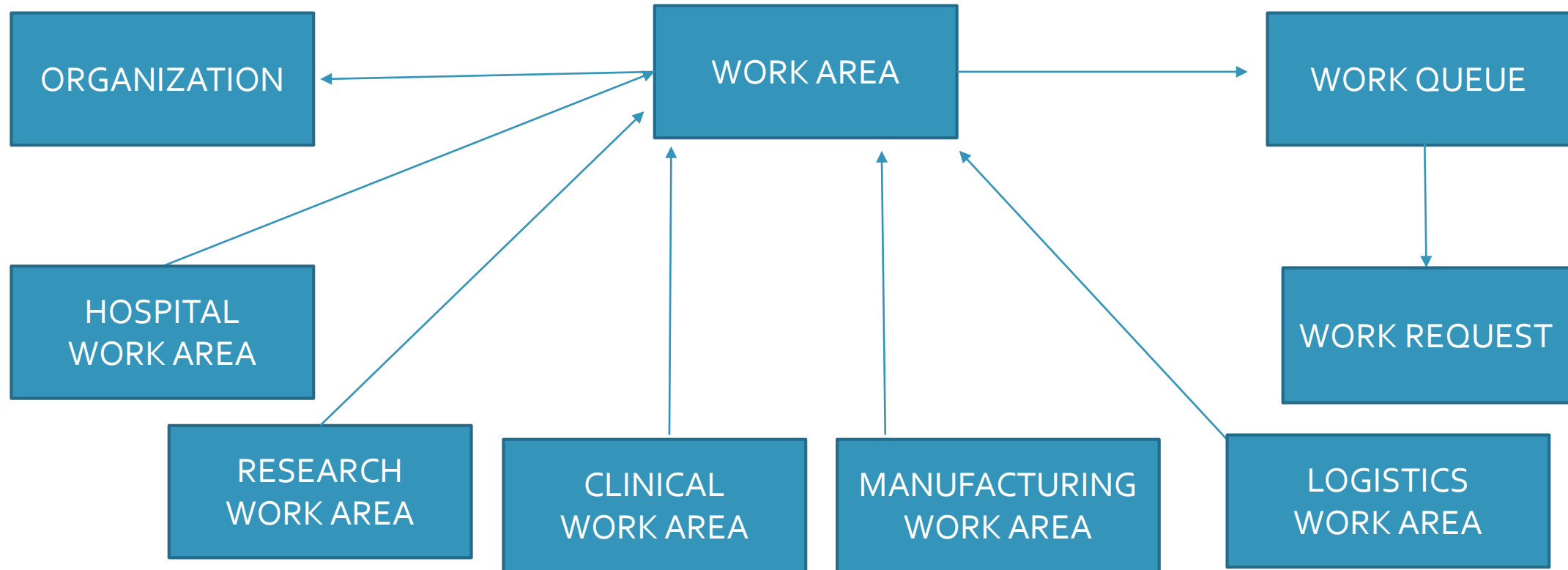
## LOGISTICS TO PRODUCT DELIEVERY



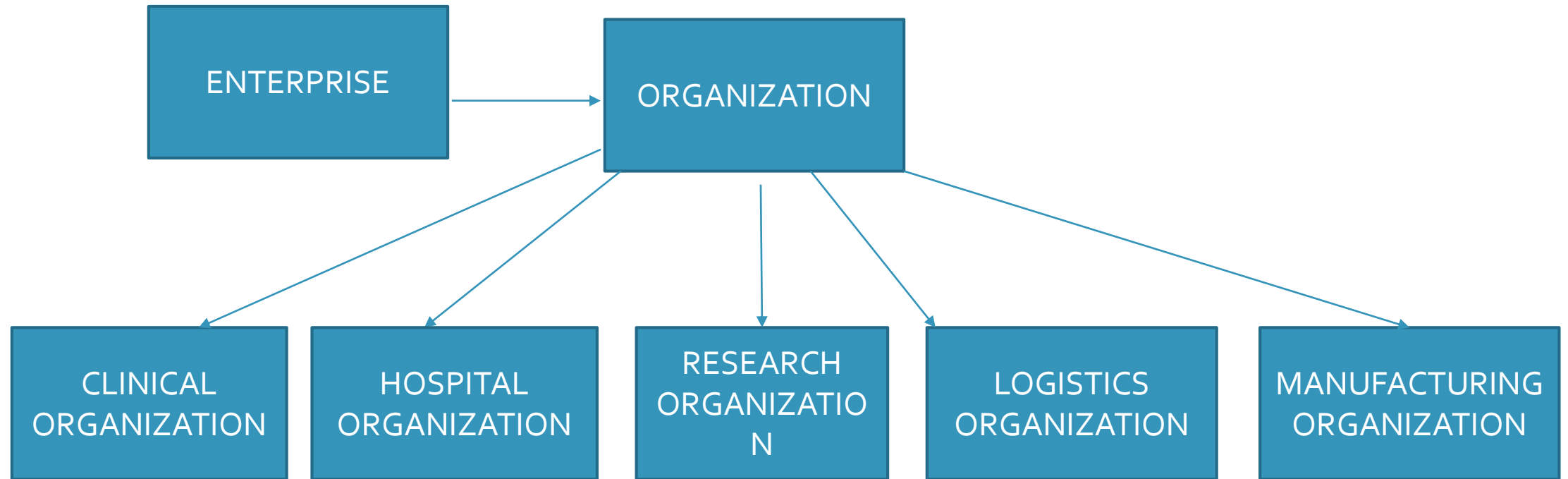
## WORK REQUESTS AND QUEUE



## WORK AREAS BELONG TO ORGANIZATION



## ORGANIZATION TYPES



THANK YOU