## GIS Application Requirement Map

| Requirement # | Who/Whom specification e.g. Stakeholder/Owner | Where specification e.g. Layer, Objects, Area (process, service, data, infrastructure) etc | What specification: High Level Requirements | What specification: Detailed Requirements |
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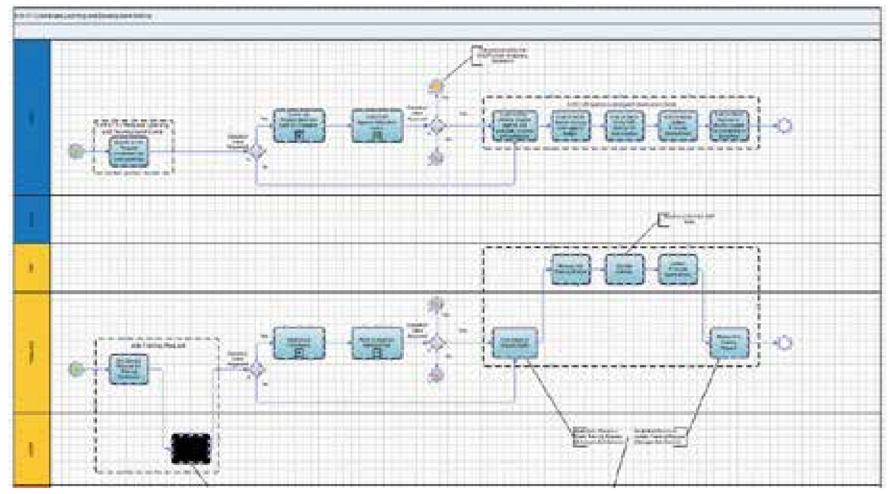
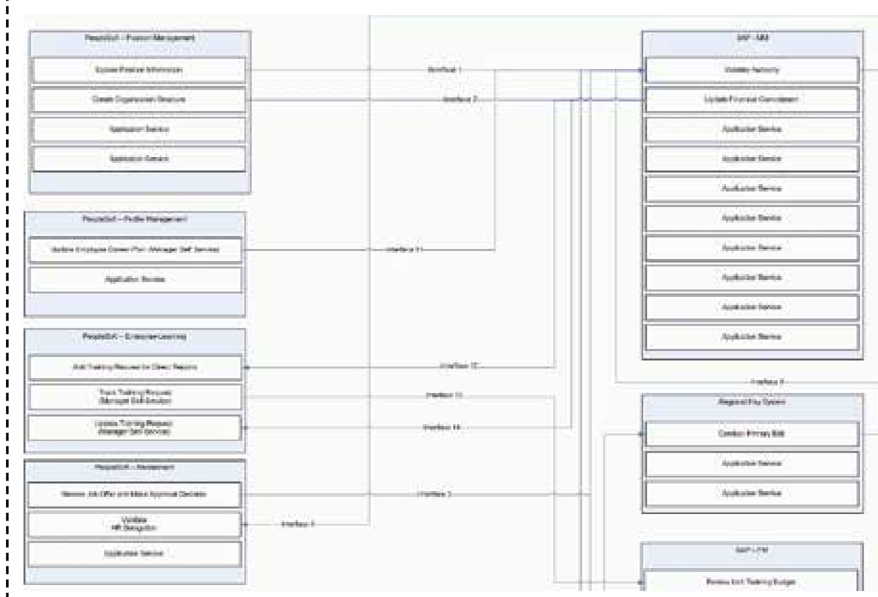
## GIS Application Service Model



## GIS Application Model



## GIS Application Map

| Component # | Whence specification: | What/Which specification: | | | | |
|---|---|---|---|---|---|---|
| | Version number | Logical/Physical Component | Application Module | Application Function | Application Feature | Application Task |
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## GIS Application Service Matrix

| | What specification: | | | |
|---|---|---|---|---|
| | Application Service #1 | Application Service #2 | Application Service #3 | Application Service #4 |
| **Events** (which events are used by the application service) | | | | |
| **Gateways** (which gateways are used by the application service) | | | | |
| **Process Flow** (which process flow is the application service a part of) | | | | |
| **Application Function** (which application function uses the application service) | | | | |
| **Application Task** (which application task enables the application service) | | | | |
| **Application/System Flow** (which application/system flow is the application service a part of) | | | | |
| **Application/System Owner** (which application/system owner owns the application service) | | | | |
| **Application Roles** (which application roles uses the application service) | | | | |
| **Information & Data Objects** (which informatio and/or data objects are used by the application service) | | | | |
| **Application Rules** (which application rules controls the application service) | | | | |
| **Data Service** (which data service is collaborating with the application service) | | | | |
| **Platform Service** (which platform service is collaborating with the service) | | | | |

## GIS Application Matrix

| | Application # | Whence specification: | What/Which specification: | | | | | | Who/Whose specification: |
|---|---|---|---|---|---|---|---|---|---|
| | | Version number | Logical/Physical Component | Application Module | Application Feature | Application Function | Application Task | Application Service | Application/System Owner |
| **Goal** (What is the goal of the application) | # | | | | | | | | |
| **Business Process** (Which business process is used with the application) | # | | | | | | | | |
| **Process Step/Activity** (Which process step/activity is used with the application) | # | | | | | | | | |
| **Application Task** (Which application task uses the application) | # | | | | | | | | |
| **System Measurements** (Which system measurements are used by the application) | # | | | | | | | | |
| **Application/System Reports** (Which application/system reports are used by the application) | # | | | | | | | | |
| **Goal** (What is the goal of the application) | # | | | | | | | | |
| **Business Process** (Which business process is used with the application) | # | | | | | | | | |
| **Process Step/Activity** (Which process step/activity is used with the application) | # | | | | | | | | |
| **Application Task** (Which application task uses the application) | # | | | | | | | | |
| **System Measurements** (Which system measurements are used by the application) | # | | | | | | | | |
| **Application/System Reports** (Which application/system reports are used by the application) | # | | | | | | | | |

## GIS Application Measurements Map

| INDICATOR | INDICATOR NUMBER | DEFINITION |
|---|---|---|
| | | |

| PERFORMANCE INDICATOR CATEGORY | | | | | | |
|---|---|---|---|---|---|---|
| KEY PERFORMANCE INDICATOR (KPI) | | PROCESS PERFORMANCE INDICATOR (PPI) | | | | |
| Financial | Operational | Time | Cost | Quality | Volume | Efficiency |
| | | | | | | |

| RATIONALE | TARGET GROUP(S) |
|---|---|
| | |

| CALCULATION | PROCESS CONTACT | APPLICATION CONTACT | DATA CONTACT |
|---|---|---|---|
| | | | |

| DRILL-DOWN DIMENSIONS | PROCESS(ES) ACTIVITY MEASURED | SOURCE(S): Application Function, Task or Service |
|---|---|---|
| | | |

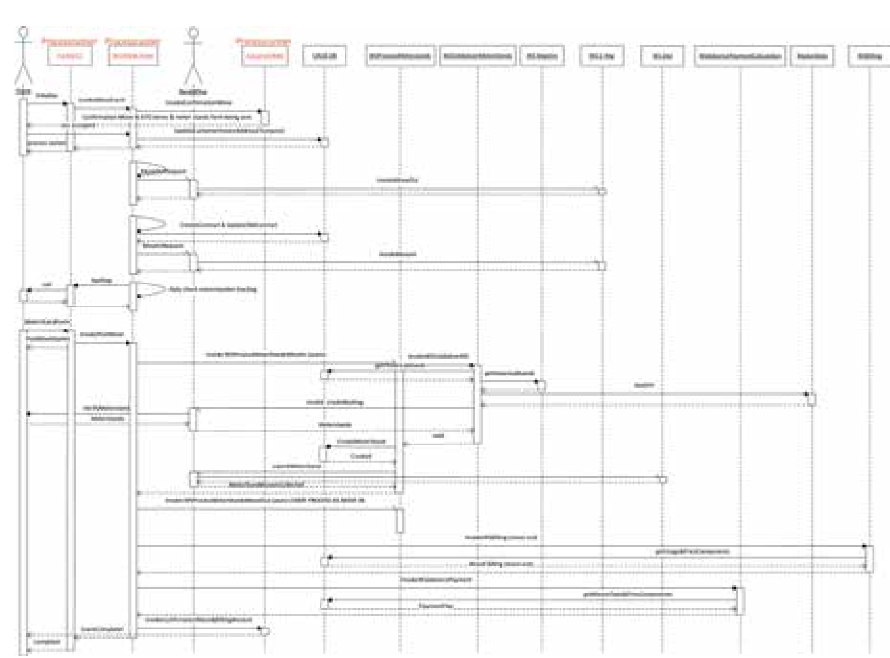
| BUSINESS COMPETENCY | | SERVICE TYPE | SERVICE TIER |
|---|---|---|---|
| Business Competency | Operational Business Competency | | |
| | | | |

| STRATEGY/GOAL CONNECTION | CRITICAL SUCCESS FACTOR/OBJECTIVE CONNECTION |
|---|---|
| | |

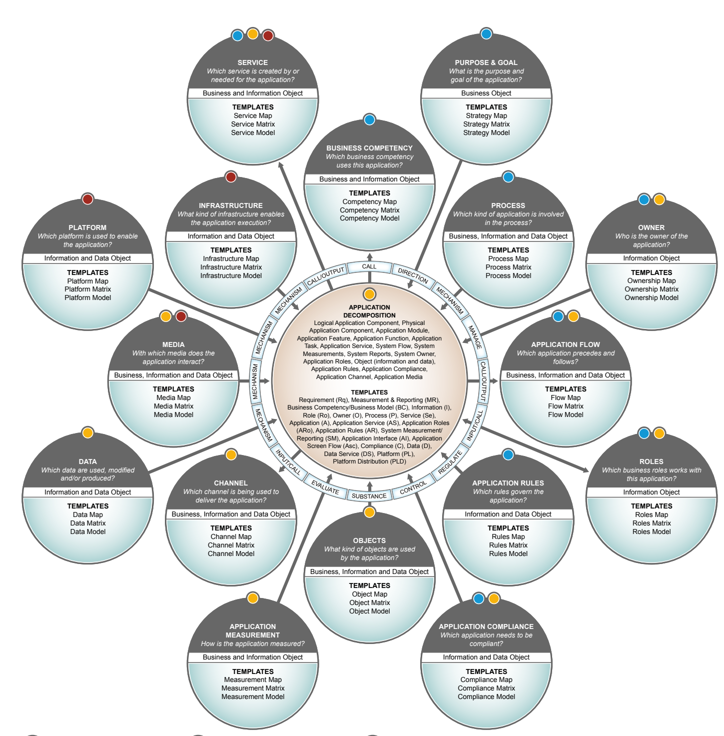
**Color Legend**

= Business Layer   = Process Layer   = Application Layer   = Data Layer

## GIS Application Interface Model



## GIS Application Decomposition & Composition Model




= Business Layer Component   = Application Layer Component   = Technology Layer Component
= Decomposition Component   = Composition Component