



# COBIE 101 session 3. cobie spec

## audience

this course is for public government officials and business partners who need to understand how COBIE is implemented on their contracts.

## prerequisite

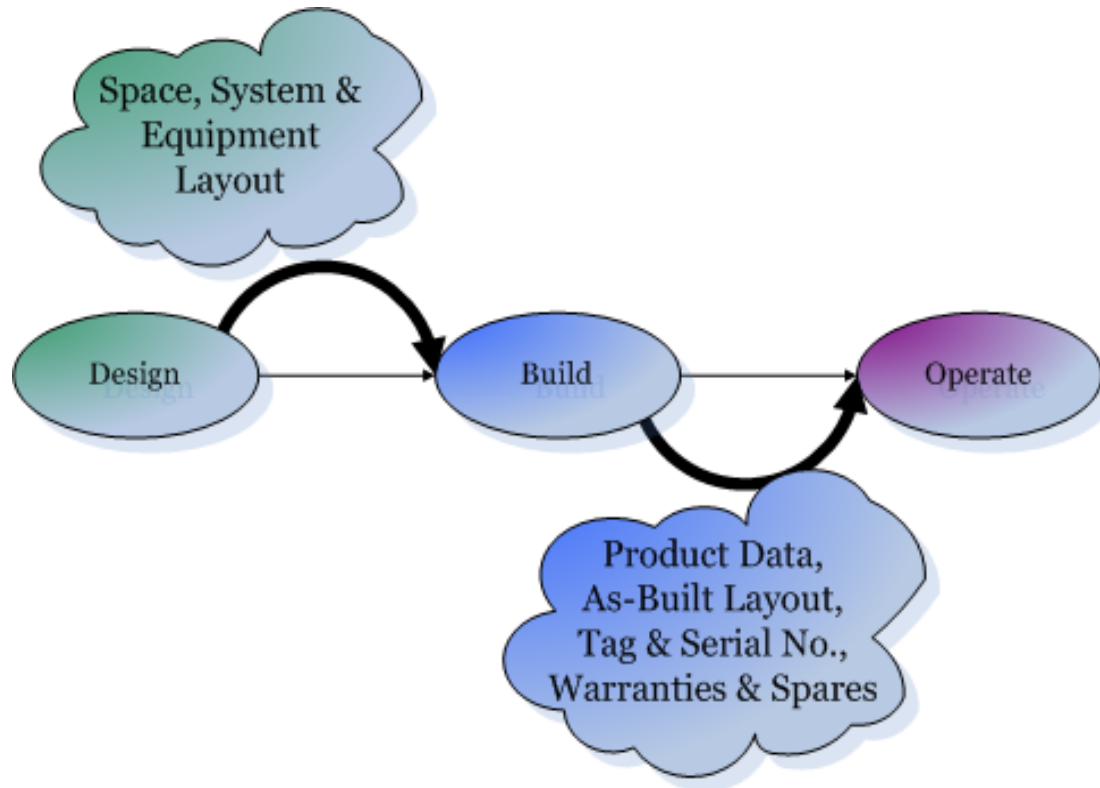
COBIE 101. session 2 information delivery specifications

## objectives

identify project phases where cobie data should be specified

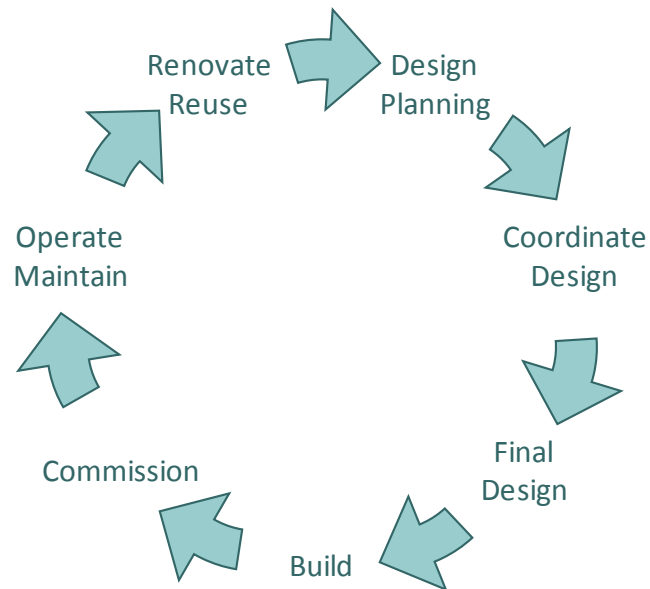
explain why specific information is required during each project phase

specify who does what, when

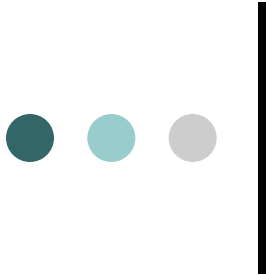




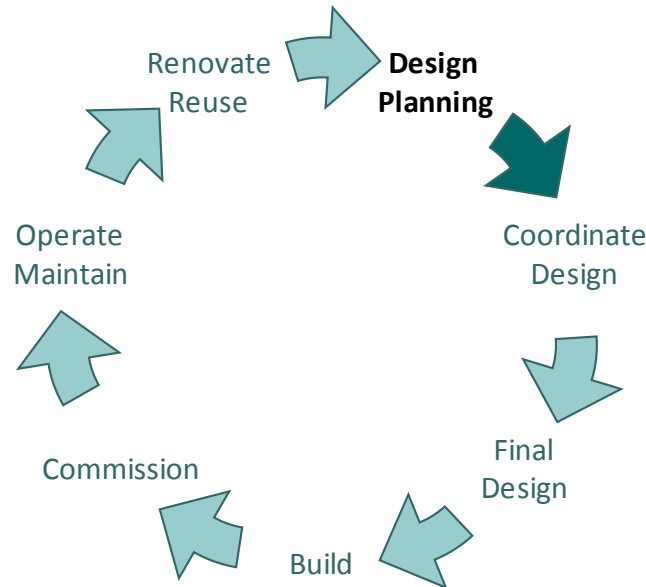
# phased information delivery specification



- eliminate information loss
- within scope of existing contracts
- no cost increase
- open standards maximize competition
- provide compelling business case



# information delivery: design planning

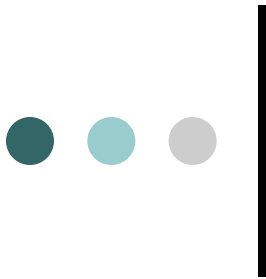


## information required

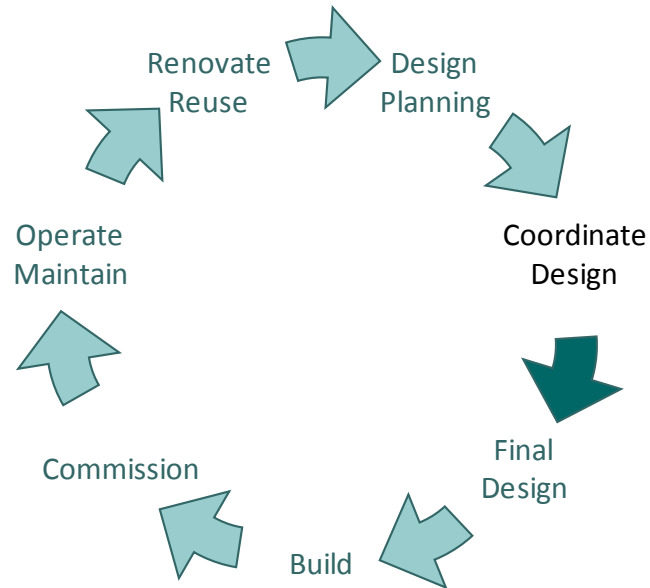
- facility
- floors
- space and functions
- product and equipment types
- space zones

## business case

- tractable space function rqmts
- initialize asset tracking
- space zoning diagrams
- blocking and stacking diagrams



# information delivery: coordinated design

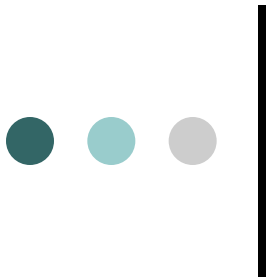


## information required

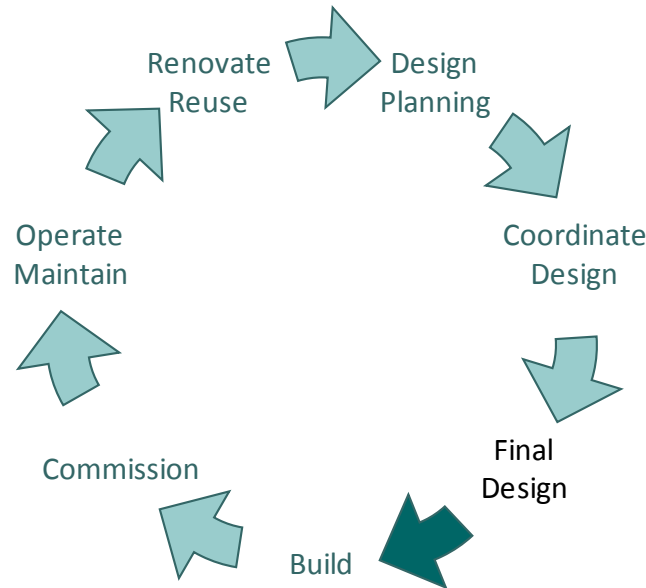
- named equipment and locations
- equipment systems

## business case

- “pre-built” drawings
- reduced cost of job-crawl
- consolidated O&M manual outline
- capacity to plan O&M rqmts



# information delivery: final design

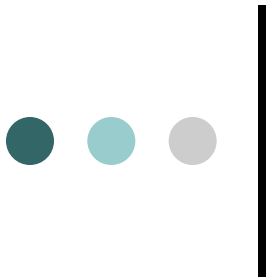


## information required

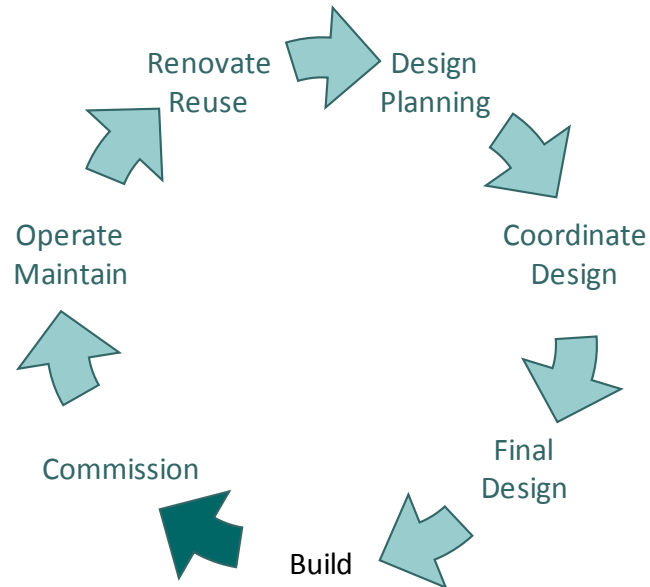
- submittal register
- as-designed equipment properties (opt)
- blocking/stacking model (opt)
- equipment connection model (opt)

## business case

- “pre-built” drawings
- reduced cost of job-crawl
- consolidated O&M manual outline
- capacity to plan O&M rqmts



# information delivery: builders

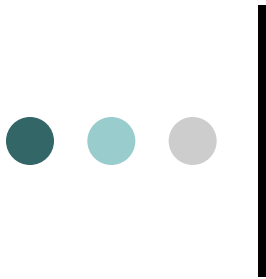


## information required

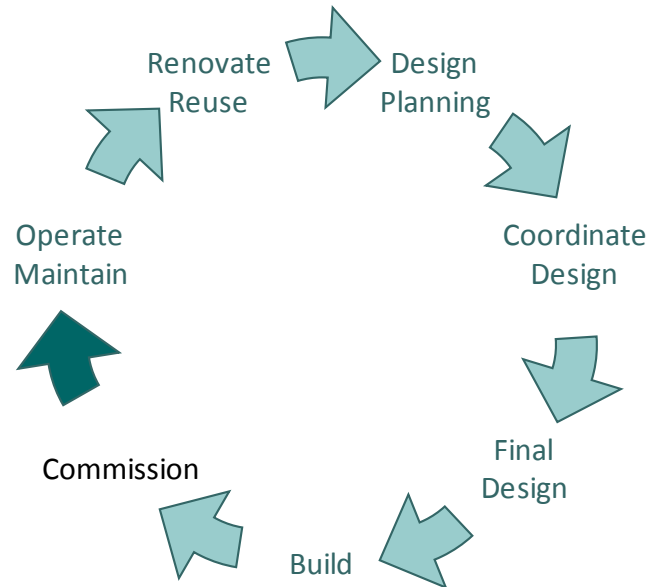
- approved submittal documents
- manufacturer, model, serial #'s
- tag #'s

## business case

- eliminate reproduction cost
- reduce in information delivery cost
- reduction in logistics possible
- reduced cost of job-crawl
- deliver as-builts prior to occupancy



# information delivery: commissioning

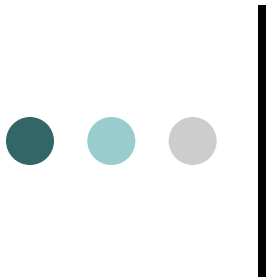


## information required

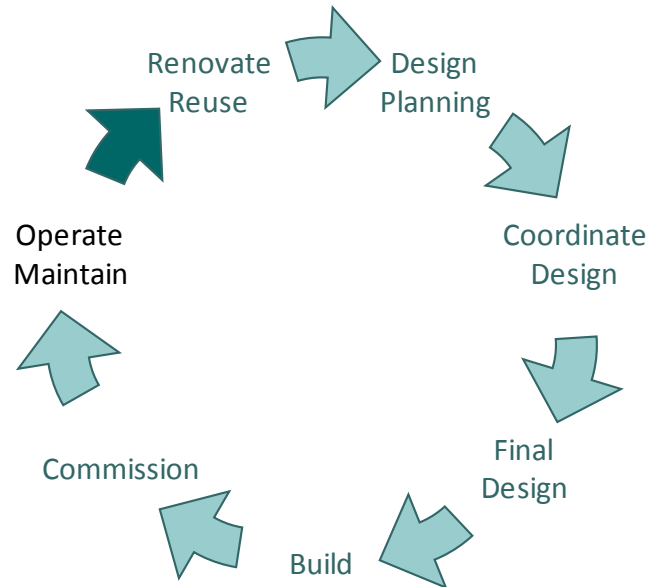
- warranty
- parts
- resources
- PM's (and other job plans)

## business case

- eliminate document “rediscovery”
- reduce paper reproduction
- reduce reduction delivery cost
- reduced cost of job-crawl
- usable custom plans



# information delivery: operation and maintenance

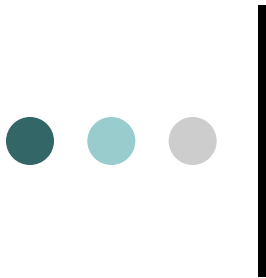


## information required

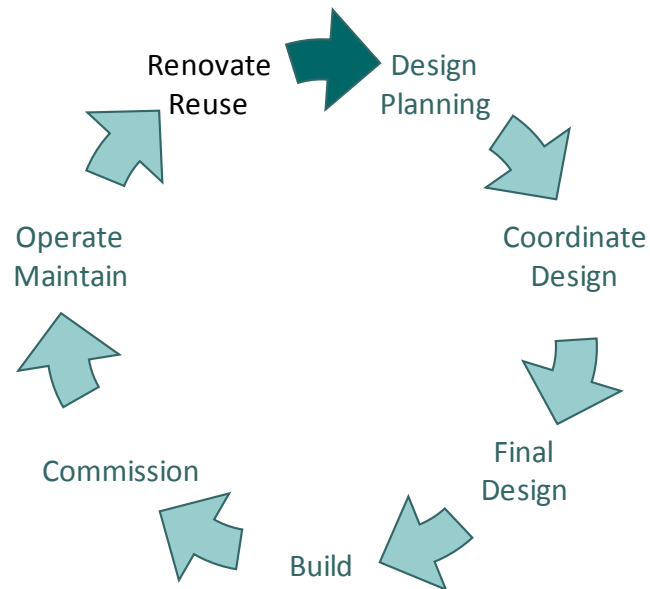
- renovation updates
- corrective maintenance updates

## business case

- data entry clerk made redundant
- elimination of document rediscovery
- custom job plans in usable form
- verify against energy/env. standard
- real time as-built facility information
- life-cycle data integration platform



# information delivery: renovate and reuse



## information required

- no additional information required

## business case

- what is tomorrow's "asbestos"?
- as-built inventory of assets
- recycling properties
- reduces "unknown unknowns"



# COBIE 101 session 3. cobie spec

## **this session**

identified project phases where cobie data should be specified

explained why specific information is required during each project phase

## **next session**

describe architectural programming and early design cobie requirements

describe acceptable methods for producing the required cobie file

identify software to assist in the production of the required cobie deliverable